€ 19.-

RAD BOOK 2018

The Guide to Imaging Technology and Informatics in Europe

Vol. 12

• IT • CT • MRI • Interventional • Mammo • R/F • Nuc • Displays/Printers • Ultrasound • Injectors • Testing Devices

Artificial Intelligence
Carving out a niche

Dose Management
Coping with EURATOM 2013/59

Software & Systems
From Angio to Zero Footprint

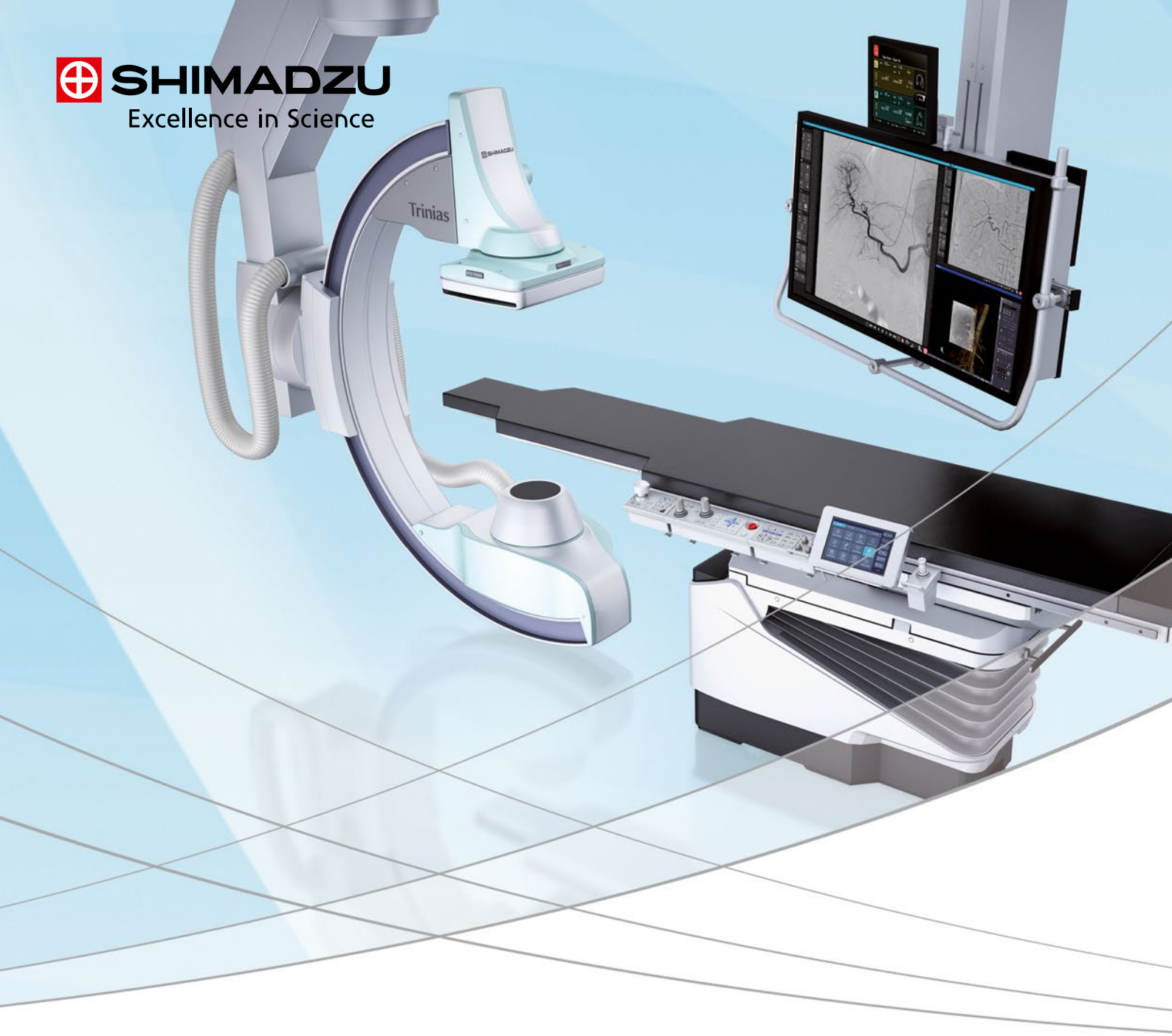
IT-SOLUTIONS

	Management		Archiving	
	RIS	**Business Intelligence**	**Artificial Intelligence**	**Enterprise P**
AGFA HealthCare	ORBIS RIS IMPAX RIS	Enterprise Imaging Business Intelligence	Enterprise Imaging Augmented Intelligence	Enterprise Imaging
CHILI Einfach überzeugend				CHILI PACS
GE Healthcare	Centricity RISi with eRadCockpit	Healthcare Analytics Solutions		Centricity PACS with Universal Viewer
Guerbet Contrast for Life				
HOLOGIC The Science of Sure				
IMAGE Information Systems	iQ-RIS			iQ-SYSTEM PACS
i-SOLUTIONS HEALTH	RadCentre RadCentre Analytics	RadCentre Analytics BusinessCentre		RadCentre Multi-PACS
itz-medi.com PACS & Telemedizin	ITZ Hyper.RIS		ITZ Hyper.PACS MPM-Modul	ITZ Hyper.PACS
KONICA MINOLTA				Acies
bender gruppe medigration	WinRadiolog RIS			ImageBroker
PROTEC TEAM | SPIRIT | ABILITY				PROPAXX
SIEMENS Healthineers				PACS *syngo*.plaza VNA *syngo*.share eHealth Solutions

Image Distribution

ACS	VNA	Inhouse	Teleradiology	Portal Solution	Cloud Computing Application
	HYDMedia Enterprise Imaging VNA	Enterprise Imaging XERO Viewer	Enterprise Imaging XERO Viewer	Engage Suite for Integrated Care	Enterprise Imaging
	CHILI PACS	CHILI/Web	CHILI/Web	CHILI/Telemedicine Record	OmniPACS
	Centricity Clinical Archive (VNA L1-L4, XDS Repository)	Centricity PACS with Universal Viewer Zero Footprint	Centricity PACS with Universal Viewer Zero Footprint, Centricity 360	Centricity RIS with eRadCockpit, Centricity 360	Centricity 360
	SecurXchange	SecurXchange SecurView Manager			
	iQ-SYSTEM PACS	iQ-VIEW iQ-4VIEW MED-TAB	iQ-VIEW iQ-4VIEW MED-TAB	MED-TAB iQ-WEBX iQ-4VIEW	iQ-CLOUD MED-TAB
Integration	RadCentre Archiving Solution	Health Relations RC	Health Relations RC	Health Relations RC	RadCentre as a Service
	ITZ Hyper.PACS ITZ Hyper.ARC	ITZ Hyper.PACS ITZ Hyper.WEB ITZ Hyper.mView	ITZ Hyper.TELEMED ITZ Hyper.COM Dicom2Mail ITZ Hyper.mView	ITZ Hyper.WEB ITZ Hyper.TELEMED ITZ Hyper.UP ITZ Hyper.mView	ITZ Hyper.PACS Telearchive ITZ Hyper.WEB Cloud ITZ Hyper.ARC Cloud ITZ DicomCloud.de
	Acies ImagePilot	Acies ImagePilot	Acies ImagePilot		
	ImageBroker	ImageWeb	webConnect	PraxisPortal	PraxisPortal App
	PACS *syngo*.plaza VNA *syngo*.share eHealth Solutions next generation VNA	PACS *syngo*.plaza VNA *syngo*.share eHealth Solutions	PACS *syngo*.plaza VNA *syngo*.share eHealth Solutions	PACS *syngo*.plaza	teamplay PACS *syngo*.plaza VNA *syngo*.share eHealth Solutions

SHIMADZU
Excellence in Science



Intelligent design for intelligent care

The Trinias unity edition series provides advanced IVR support. SCORE imaging, SMART design and SMILE concept are the key software and hardware features creating an outstanding crossover digital angiography system with high-resolution Flat Panel Detectors.

Expanding the coverage of clinical solution
through large FOV 16" x 12" FPD and multi-functionality Cath table supporting flexible table positioning by tilting functions

Flex-APS real-time artifact optimization function
improves misregistrations of DSA regardless of Region-of-Interest's movement direction such as twisting

SCORE Chase real-time whole peripheral observation
automatically stitches and displays images right after acquiring with Shimadzu's original "SCORE RSM" MASK-less DSA

SCORE StentView real-time stent enhancement without influence of heart beat
contributes to higher detection efficiency and shorter examination times when positioning and fixing stents

Trinias ***unity*** edition

www.shimadzu-medical.eu

Dear Reader,

Artificial intelligence will be the radiology buzzword of 2018. Since RSNA 2017 there has been not a single week without a company announcing a new development or launching a new product.

In radiology, artificial intelligence is carving out a niche in reading and in department management. Firstly, AI systems autonomously detect suspicious features in images; secondly they recognize user preferences and work hand-in-glove with business intelligence tools to help improve workflows.

As far as reading is concerned, AI-supported functionality moves far beyond computer-assisted diagnosis (CAD). CAD systems were based on fixed specifications regarding the image features to be considered suspicious. AI, however, doesn't need such instructions anymore because the larger the data pool becomes the more the systems autonomously learn to classify data. Moreover, AI solutions do not only look for suspected pathology in a prescribed area but take the entire image into account.

No matter how perfect AI detection rates will be, radiologists won't be out of a job though. While the algorithms take over the reading drudgery so to speak, it is the human radiologist who at the end of the day has to validate the diagnosis and assess it in the context of the patient as a whole. Automation won't replace human experience anytime soon.

Nevertheless, the job of the radiologist will change. It is a challenge to recognize the sign of the times and to use technological progress to redefine and increase the value of radiology. Radiology is and will remain the discipline that fuses clinical knowledge, technical expertise and a passion for innovation.

Your editorial team

Daniela Zimmermann and **Guido Gebhardt**

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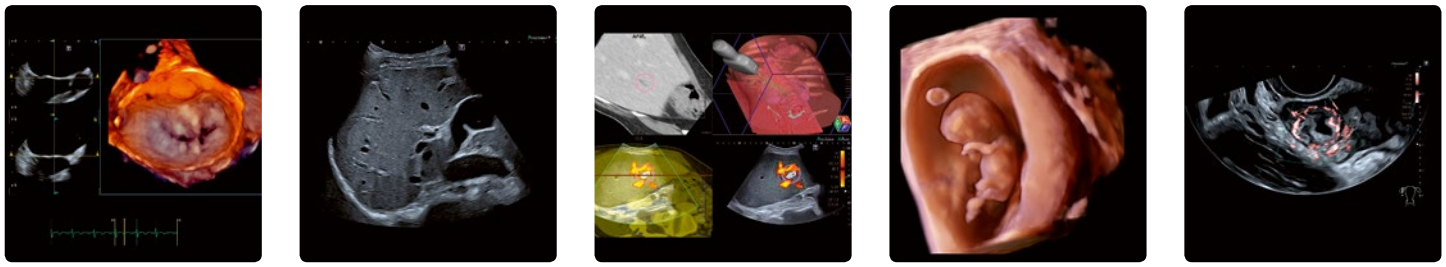
Canon

Aplio *i-series*

Intuitive. Intelligent. Innovative.

Aplio i-series is designed to deliver outstanding clinical precision and departmental productivity. Crystal-clear images with enhanced resolution and penetration, as well as an abundance of expert tools help you get your diagnostic answer quickly and reliably.



CANON MEDICAL SYSTEMS EUROPE B.V.
https://eu.medical.canon

Made For life

Computed Tomography

DUAL SOURCE CT

Siemens Healthineers · SOMATOM Force

Scan Speed Up to 737 mm/s
Power Up to 2,600 mA (2 x 1,300 mA)
Temporal resolution 66 ms (full body)
Gantry bore Yes, Dual Source Dual Energy

Highlights
- Kidney-friendly scanning with significantly reduced contrast media amounts required (low kV imaging)
- Low dose early detection with up to 50 % dose reduction
- Free-breathing CT with outstanding native temporal resolution
- FAST Integrated Workflow with FAST 3D Camera to get two steps ahead in patient positioning
- Precise dose neutral Energy quantification to add tissue information to morphology

Siemens Healthineers · SOMATOM Drive

Scan speed Up to 458 mm/s
Power 200 kW (2 x 100 kW)
Temporal resolution 75 ms (full body)
Dual Energy Yes, Dual Source Dual Energy

Highlights
- Tin Filters – a new level of CARE, bring CT doses to those expected in a routine X-ray series
- Straton MX Sigma X-ray tube with High Power 70 & 80 enables lower doses with consistent image quality
- 10 kV Steps allow for the most precise dose values for every single patient
- FAST Integrated Workflow with FAST 3D Camera drives precision in patient positioning

VOLUME CT

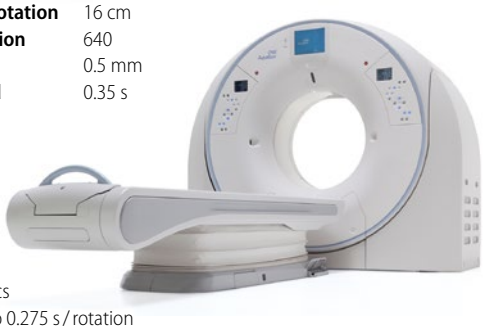
Canon · Aquilion ONE GENESIS Edition

Coverage per rotation 16 cm
Slices per rotation 640
Slice thickness 0.5 mm
Rotation speed 0.275 s

Highlights
- PURE ViSION optics
- 78 cm bore
- 2 mm @ 3HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- FIRST (Model Based IR, option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Sub mSv Cardiac (option)
- Arrhythmia scanning
- Isophasic organ perfusion
- UltraHelical
- Dual Energy at 50 cm FOV (option)

Canon · Aquilion ONE GENESIS Edition 350

Coverage per rotation 16 cm
Slices per rotation 640
Slice thickness 0.5 mm
Rotation speed 0.35 s



Highlights
- PURE ViSION optics
- Upgradeable to 0.275 s / rotation
- 78 cm bore
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- FIRST (Model Based IR, option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Sub mSv Cardiac (option)
- Arrhythmia scanning
- Isophasic organ perfusion
- UltraHelical
- Dual Energy at 50 cm FOV (option)

Canon · Aquilion Prime SP

Coverage per rotation 4 cm
Slices per rotation 80 / 160
Slice thickness 0.5 mm
Rotation speed 0.35 s

Highlights
- PURE ViSION optics
- 78 cm bore
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- Iterative bolus tracking
- Iterative 3D Fluoro (option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Low dose Cardiac scanning (option)
- Dual Energy at 50 cm FOV (option)
- 14.8 m² installation space

Canon · Aquilion Lightning SP

Coverage per rotation 4 cm
Slices per rotation 80 / 160
Slice thickness 0.5 mm
Rotation speed Up to 0.5 s

Highlights
- PURE ViSION detector
- 78 cm bore
- 2 mm @ 3 HU LCR
- AIDR 3D Enhanced iterative reconstruction
- Variable Helical Parameters (option)
- SEMAR (Metal Artifact Reduction)
- SURE Cardio, low dose cardiac (option)
- CT DSA with SURE Subtraction (option)
- Iterative 3D Fluoro (option)

VOLUME CT

GE Healthcare · Revolution CT

Slices per rotation 512
Spatial resolution 0.23 mm
Power 103 kW

Highlights

- Gemstone Clarity Detector for 80 or 160 mm detector coverage
- Unique image chain hardware with Volume HD reconstruction
- ASiR-V – up to 82 % lower dose*
- Best effective temporal resolution enabled by 0.28-second rotation speed combined with intelligent motion correction for excellent cardiac imaging at any heart rate
- Aorta, heart and lung in just 1 sec

** Compared to prior generation*

GE Healthcare · Revolution HD

Slices per rotation 128 to 256
Spatial resolution 0.23 mm
Power 100 kW

Highlights

Revolution HD can reach any part of the body of virtually any patient and perform both generalized and specialized clinical applications, including:

- Gemstone Spectral Imaging – quantitative dual-energy CT
- Cardiac GSI
- Neuro imaging – Revolution HD ensures ample coverage to perform perfusion studies of the entire brain
- Gemstone detector – highest spatial resolution (0.23 mm)*
- SmartMAR – rawdatabased metal artifact reduction
- ASiR-V – up to 82 % lower dose*

** Compared to prior generation*

GE Healthcare · Revolution Frontier

Power 100 kW/835 mA
Slices per rotation 256 slices with GSI
Spatial resolution 18.2 lp / cm

Highlights

- Spectral imaging in the daily routine – the high-performance spectral CT for the entire clinical range
- Excellent spatial resolution with the Gemstone Clarity detector
- Spectral imaging with outstanding temporal resolution, monochromatic images and quantification in mg/volume
- Low dose presentation of coronary arteries at high pulse with SnapShot Freeze
- Low Dose – up to 82 %* less dose with ASiR-V in all single and dual energy applications
- SmartMAR – raw data based metal artifact reduction

** CE conformity procedure is currently in progress. Cannot be placed on the market or put into service before the Certificate of Conformity (CE mark) has been issued. (As of 02/2018)*

Hitachi · SCENARIA

Slices per rotation 64 / 128
Spacial resolution 17.1 Lp / cm
Power 72 kW (84 kW optional)

Highlights

- X-ray tunbe: 7.5 MHU
- Minimum scan time for all types of examination: 0.35 seconds
- Minimum slice thickness: 0.625 mm
- Open design concept with aperture diameter of 750 mm
- Unique laterally moving patient table
- New algorithms for iterative reconstruction: Intelli IP Advanced
- 475 mm wide patient table with weight limit of 230 kg

Siemens Healthineers · SOMATOM Edge Plus

Scan speed Up to 230 mm/s
Power Up to 100 kW
Temporal resolution 140 ms (full body)
Dual Energy Yes, TwinBeam Dual Energy

Highlights

- Tin Filters – bringing CT doses to those expected in a routine X-ray series
- FAST Integrated Workflow with FAST 3D Camera drives precision in patient positioning
- High Power 70 & 80 and 10 kV Steps helps to obtain high quality images despite large patient diversity
- Cardiac and 4D imaging at high quality and low dose – outperforming all other single source systems

Siemens Healthineers · SOMATOM Definition Edge

Scan speed Up to 230 mm/s
Power Up to 100 kW
Gantry bore 78 cm
Dual Energy Yes, TwinBeam Dual Energy

Highlights

- 0.28 s rotation speed
- Revolutionary Stellar detector: 0.50 mm slices for 0.30 mm spatial resolution
- Straton tube with z-Sharp technology and 70 kV imaging
- Raw-data based iterative reconstruction (ADMIRE)
- Dynamic imaging of up to 48 cm

20 TO 64 SLICES

Siemens Healthineers · SOMATOM go.Top

Mobile operation Wireless tablet and remote control
Scan speed Up to 175 mm/s
Power 75 kW (70-140 kV, up to 825 mA)
System footprint 7.4 m^2
Dual Energy Yes, TwinBeam Dual Energy

Highlights
- Scan&GO is an advanced tablet app allowing you to control scans remotely
- The GO technologies ease scanner operation and automate workflows
- Low kV imaging, Tin Filter and Iterative Reconstruction enable dose-optimized scanning
- The 3.84 cm Stellar detector keeps electronic noise low and increases dose efficiency
- Fast rotation speed (0.33 s) and mobile workflow facilitate cardiac examinations

Canon · Aquilion Lightning

Coverage per rotation 2.0 cm
Slices per rotation 16 / 32
Slice thickness 0.5 mm
Rotation speed Up to 0.5 s

Highlights
- PURE ViSION detector
- 78 cm bore
- 2 mm @ 3HU LCR
- AIDR 3D Enhanced iterative reconstruction
- Adaptive Diagnostics
- Variable Helical Parameters (option)
- SEMAR (Metal Artifact Reduction)
- Navi Mode Operation for fast patient throughput
- CT DSA with SURE Subtraction (option)
- Iterative 3D Fluoro (option)
- Minimum foot print of 9.8 m^2
- 300 kg couch

Canon · Astelion Advance Edition

Coverage per rotation 2.0 cm
Slices per rotation 16 / 32
Slice thickness 0.5 mm
Rotation speed Up to 0.6 s

Highlights
- 72 cm bore
- 2 mm @ 3 HU LCR
- AIDR 3D iterative reconstruction
- Navi Mode Operation for fast patient throughput
- CT DSA with SURE Subtraction (option)
- SURE Fluoro for intervention procedures (option)
- 2.9 ton / year reduction of CO^2 emission
- Minimized energy consumption
- Minimum foot print of 10.4 m^2

GE Healthcare · Revolution EVO

Slices per rotation 64 / 128
Power 72 / 400 kW
Spatial resolution 0.28 mm
Rotation speed 0.35 sec

Highlights
- Widest variety of patients and applications, from complex trauma to advanced vascular and perfusion.
- Confidence even when performing advanced procedures such as cardiac and TAVI planning
- High-resolution at low-dose: Clarity imaging chain with technology inherited from Revolution CT
- ASiR-V – up to 82% lower dose*
- SmartMAR – rawdatabased metal artifact reduction

** Compared to prior generation*

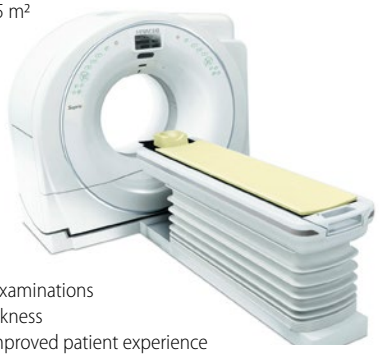
GE Healthcare · Optima CT660

Slices per rotation 64 / 128
Power 72 / 100 kW
Spatial resolution 0.31 mm
Rotation speed 0.35 sec

Highlights
- Diagnostic power and workflow efficiency, enabling fast, high-quality acquisitions at optimized dose.
- Intelligent cardaic CT with SnapShot Assist and SnapShot Freeze
- Powered by Smart Technologies
- ASiR
- SmartMAR - rawdatabased metal artifact reduction

Hitachi · SUPRIA 64 / 128

Slices per rotation 64 / 128
Gantry bore 75 cm
Slice thickness 0.675 mm
System Footprint 13.5 m^2



Highlights
- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.675 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footprint needs small installation space
- New Iterative reconstruction algorithm for low dose examinations
- Intuitive GUI design with 24-inch wide monitor

20 TO 64 SLICES

Siemens Healthineers · SOMATOM go.All

Mobile operation Wireless tablet and remote control
Rotation speed 0.33 s
Scan speed Up to 100 mm/s
Power 75 kW (70-140 kV, up to 825 mA)
System footprint 7.4 m^2

Highlights
- Scan&GO is an advanced tablet app allowing you to control scans remotely
- The GO technologies ease scanner operation and automate workflows
- Low kV imaging, Tin Filter and iterative reconstruction enable dose-optimized scanning
- The 2.2 cm Stellar detector keeps electronic noise low and increases dose efficiency
- High temporal resolution and mobile workflow facilitate cardiac examinations

Siemens Healthineers · SOMATOM go.Up

Mobile operation Wireless tablet and remote control
Slices per rotation 64 with IVR
Gantry bore 70 cm
Power 32 kW (80-130 kV, up to 400 mA)
System footprint 7.4 m^2

Highlights
- Scan&GO is an advanced tablet app allowing you to control scans remotely
- The GO technologies ease scanner operation and automate workflows
- The Stellar detector keeps electronic noise low and increases dose efficiency
- The Tin Filter reduces dose and optimizes image quality
- Guide&GO is an intuitive tablet-based solution for CT-guided interventions

Siemens Healthineers · SOMATOM go.Now

Mobile operation Wireless tablet and remote control
Slices per rotation 32 with IVR
Gantry bore 70 cm
Power 32 kW (80-130 kV, up to 400 mA)
System footprint 7.4 m^2

Highlights
- Scan&GO is an advanced tablet app allowing you to control scans remotely
- The GO technologies ease scanner operation and automate workflows
- The Stellar detector keeps electronic noise low and increases dose efficiency
- The Tin Filter reduces dose and optimizes image quality
- Guide&GO is an intuitive tablet-based solution for CT-guided interventions

2 TO 16 SLICES

GE Healthcare · Optima CT520

Power 42 / 70kW
Slices per rotation 16 / 32
Spatial resolution 0.31 mm

Highlights
- Built on reliable and proven technology, it combines advanced clinical capacity with economic value
- Designed to help healthcare providers deliver the best patient care
- High quality diagnostic imaging at low dose with ASiR
- Powered by Smart Technologies

GE Healthcare · Optima CT540

Power 60 / 88 kW
Slices per rotation 16 / 32
Spatial resolution 0.31 mm

Highlights
- It helps to answer your need for exceptional clinical results, a steadily increased volume of patient throughput, a focus on patient-centered tasks, and a reduction in unnecessary steps and tedious, time-consuming operations
- Powered by Smart Technologies
- ASiR
- Moreover it is designed to provide a reliable CT solution for high quality diagnostic imaging at lower dose in: Oncology / Angiography / Interventional / Emergency

GE Healthcare · Revolution ACT

Power 24 / 40 kW
Slices per rotation 16 / 32
Spatial resolution 18 lp / cm

Highlights
Redefine what's possible with CT
- Lower dose by up to 40 % exams throughout the body with ASiR & ODM
- High-quality thin-slice images with IQ Enhance
- Up to 20 % lower electronic noise thanks to HiLight Scintillator Detector with VolaraDT DAS
- Lower siting costs with smallest 16-slice CT system
- 47% lower power requirement with GE innovative* energy-saving mode software

**Compared to prior generation*

Hitachi · SUPRIA 16/32

Slices per rotation	16/32
Gantry bore	75 cm
Slice thickness	0.675 mm
Field of View	500 mm

Highlights

- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.675 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footrpint needs small installation space
- New Iterative reconstruction algorithm for low dose examinations
- Intuitive GUI design with 24-inch wide monitor

ONCOLOGY CT

Canon · Aquilion LB

Coverage per rotation	3.2 cm
Slices per rotation	32
Slice thickness	0.5 mm
Rotation speed	0.5 s

Highlights

- PUREViSION detector
- 90 cm bore
- 70 cm FOV
- 85 cm extended FOV
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- AIDR 3D iterative reconstruction
- SEMAR (Metal Artifact Reduction)
- Respiratory gating (option)
- Oncology table top (option)
- CT DSA with SURESubtraction (option)
- SUREFluoro (option)
- Reduced energy consumption

As a trusted imaging components leader, Varex has a laser focus on providing customers with high-quality and cost-effective products. Excellence in imaging is a top priority. Varex delivers best-in-class components that help equipment manufacturers to quickly develop and launch their next-generation systems powered by our components.

Varex has one of the largest product portfolios in the X-ray imaging industry. Each year, Varex produces in excess of 25,000 X-ray tubes, 21,000 digital flat panel detectors, and 100,000 high-voltage cable assemblies. In addition to those products, Varex also produces collimators, bucky systems, automatic exposure devices, and specialized linear accelerators for high-energy imaging. The portfolio also includes software for image processing and computer-aided diagnostics. All of these are key components in X-ray imaging systems manufactured by OEM customers.

When you put it all together, this translates to more than one-quarter of all medical imaging tubes and digital flat panel detectors globally are produced by Varex. In addition, most global OEM customers are buying at least one of the company's components. This is accomplished via deep and long-term relationships with OEM customers that average more than 25 years – including 40-year relationships with half of the company's top 10 customers.

Varex is in a leadership position in an approximate $4 billion medical diagnostic and industrial imaging market that offers numerous growth opportunities for its special breed of high-throughput X-ray tubes, flat panel digital detectors and software for image processing. Examples include the ongoing conversion from analog-to-digital systems, which is only about half way through the process globally. Varex is forging relationships with customers around the world. In China, India and South Korea, dozens of new OEM imaging system manufacturers are being established, creating additional growth opportunities.

To accommodate this rapidly growing X-ray imaging market, during 2016, the company completed a 150,000 sq. ft. expansion of its manufacturing facility in Salt Lake City, Utah and also added a new facility near Shanghai, China.

As an independent company, Varex Imaging has about 1,900 employees at its headquarters in Salt Lake City, Utah and in facilities around the world. The company serves its OEM customers with innovative X-ray components that help bring their next-generation imaging systems to market faster.

Varex Imaging is the largest independent X-ray imaging player in the world. With its 65-plus year history of innovation and reputation for technical excellence including more than 220 active patents, a comprehensive product portfolio, large-scale manufacturing capability, talented workforce, and long-standing customer relationships, Varex Imaging is well positioned for continued market leadership and profitable growth.

www.vareximaging.com

ONCOLOGY CT

GE Healthcare · Discovery CT580 RT

Power 55 / 100 kW
Slices per rotation 16
Spatial resolution 0.35 mm

Highlights
- Wide bore geometry (80 cm)
- All tables TG66 compliant (225 and 295 kg max)
- Up to 40 % dose reduction across the body with integrated ASiR reconstruction*
- 4D gating reconstruction on the operator console
- Complete and easy to use RT simulation planning solution with SIM MD on AW
- smartMAR – rawdatabased metal atrefact reduction
- Deviceless 4D - breath gating
- 80 cm max FOV

** Compared to prior generation*

Siemens Healthineers · SOMATOM Definition Edge

Power Up to 100 kW
Slices per rotation 128
Dual Energy Yes, TwinBeam Dual Energy
Gantry bore 78 cm

Highlights
- Advanced evaluation of therapy response of tumors and tissues properties thanks to TwinBeam Dual Energy and Adaptive 4D Spiral
- Improved visualization thanks to iMAR and extended field of view of 78 cm
- Comprehensive tumor motion management solution
- Improved process efficiency with a workflow guided RT solution

Siemens Healthineers · SOMATOM Confidence RT Pro

Slices per rotation 20/64
Gantry bore 80 cm
Power Up to 100 kW
Detector Stellar RT

Highlights
- DirectDensity allows images of any kV value to be used in the TPS without the need of several calibration curves
- Enable visualization up to 80 cm with HD FoV Pro
- Precise reduction of metal artifacts with iMAR
- Improve visualization with Dual Energy
- Leverage your ability to be more accurate with iterative reconstruction

Siemens Healthineers · SOMATOM go.Up

Mobile operation Wireless tablet and remote control
Slices per rotation 64 with IVR
Gantry bore 70 cm
Power 32 kW (80-130 kV, Up to 400 mA)
System footprint 7.4 m^2

Highlights
- Scan&GO is an advanced tablet app allowing you to control scans remotely
- The GO technologies ease scanner operation and automate workflows
- The Stellar detector keeps electronic noise low and increases dose efficiency
- The Tin Filter reduces dose and optimizes image quality
- Guide&GO is an intuitive tablet-based solution for CT-guided interventions

CONEBEAM CT

Cefla · NewTom 5G XL

FOV 21 x 19 cm up to 6 x 6 cm
Voxel size 100 µm HiRes
Emission Time max 5.4 s (ECO 0.9 s)

Highlights
- Cone Beam CT with open gantry and supine position. Backside access available.
- High definition volumetric images of bone tissues, non-overlapping sections and fewer artifacts
- Safe Beam: Automatic detection minimal necessary Dose, Pulsed emission
- Extensive range of disciplines in Orthopaedics, Otorhinolaringology, Oral and Maxillofacial surgery
- "Cine X" Dinamic acquisition, "Ray 2D" single 2D acquisition

Cefla · NewTom VGi evo

FOV 24 x 19 cm up to 5 x 5 cm
Voxel size 100 µm HiRes
Emission Time max 4.3 s (ECO 0.9 s)

Highlights
- Cone Beam CT seated/standing patient positioning
- High definition volumetric images of bone tissues, non-overlapping sections and fewer artifacts
- Safe Beam: Automatic detection minimal necessary Dose, Pulsed emission
- Extensive range of disciplines in Otorhinolaringology, Oral and Maxillofacial surgery
- "Cine X" Dinamic acquisition, "Sharp 2D" from CBCT acquisition

CONEBEAM CT

Planmeca · Viso

Highlights
The Planmeca Viso CBCT unit combines premium image quality and usability. It offers a wide volume selection from single tooth to full skull. Patient positioning is done directly from the control panel using integrated cameras and a live patient view.
The volume size can be adjusted freely from 3 x 3 to 30 x 30cm. Single scans covering the entire maxillofacial area can be acquired without stitching.

Planmeca · Calm

Highlights
Patient movement during CBCT acquisition is one of the biggest contributors to poor image quality. The Planmeca CALM algorithm cancels the effects of patient movement, so that retakes and unnecessary radiation can be avoided. It can be applied after image acquisition or before exposures. Excellent for imaging child patients or otherwise lively patients. Available for all Planmeca 3D units.

Planmeca · ProMax 3D family

Highlights
Planmeca ProMax 3D is a product family consisting of multipurpose all-in-one units. With three different types of three-dimensional imaging – as well as panoramic, extraoral bitewing and cephalometric imaging – these units can meet all maxillofacial imaging needs. The pioneering low dose 3D protocol enables CBCT imaging with an even lower patient radiation dose than standard panoramic imaging.

Planmed Oy · Planmed Verity

Scan volume 16 cm diameter x 13 cm, 16 cm diameter x 7 cm
Spacial resolution 0.4 mm, 0.2 mm
Scan time 18 s

Highlights
- Cone Beam CT (CBCT) scanner dedicated to extremity and head and neck imaging
- Weight-bearing imaging
- kV range 80 - 96
- High quality 3D-imaging with Planmeca Ultra Low Dose
- Advanced artefact removal algorithms
- Compact, mobile, easy to site
- Motorized, soft-surface gantry adapts to the patient

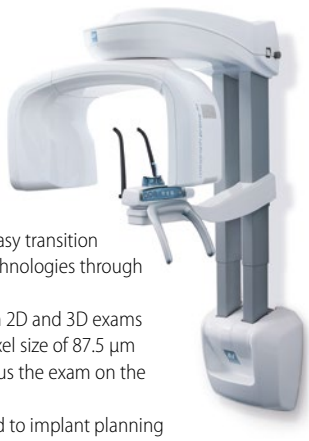
VILLA SISTEMI MEDICALI · Rotograph Evo 3D

Scan volume Max. 93 x 82 mm (full dentition)
Voxel size 93 / 185 µm
Scan time 11.2 s (exposure)

Highlights
- 3-in-1 dental system with "Cone Beam" technology: Pan, Ceph, 3D
- Pan-3D detector always ready to operate: no need to switch it from Pan to 3D mode
- Optional Evo Xp Examination Module enlarges the traditional Panoramic views
- Accessible to any patient, including ones on wheelchairs
- Selection of reduced FOVs, focused on maxillary dentition and manibular dentition, for dose reduction

VILLA SISTEMI MEDICALI · Rotograph Prime 3D

Scan volume Max. 93 x 85 mm (full dentition)
Voxel size 87.5 / 175 µm
Scan time 7 s (exposure)



Highlights
- Comprehensive diagnostic tool providing any dental practice an easy transition to the most advanced imaging technologies through an affordable investment
- Flat Panel detector able to perform 2D and 3D exams
- High resolution 3D exams with voxel size of 87.5 µm
- Availability of multiple FOVs to focus the exam on the anatomical region of interest
- Villa 3D Planner software dedicated to implant planning

get up

The swivelling handle system for radiology

Safety for patients and health benefits for personnel

Febromed GmbH & Co. KG, the expert in delivery room equipment and medical accessories from Oelde, Germany, has developed "get up", an innovative handle system for radiology. The new swivelling system was installed for the first time in a state-of-the-art CT scan room at the Institute of Diagnostic and Interventional Radiology and Neuroradiology at Essen University Hospital.

For a secure grip

Many patients find getting onto the examination table for a CT scan difficult. In particular, restricted mobility leads to uncertainty as the patient is positioned and arranged, thus placing increased physical strain on care personnel, predominately in the back area. The new "get up" handle system from Febromed offers a solution: this swivelling system helps patients get onto the table before their scan and stand up again safely and comfortably afterwards. It minimises the risk of falling and provides a secure grip. It helps personnel by reducing the physical strain of their job. As a result, the organisation as a whole benefits: since the actual physical strain on personnel is significantly reduced, employee sick leave due to back pain is also minimised.

Positive experiences

After installing the handle system in May 2017, the Institute of Diagnostic and Interventional Radiology and Neuroradiology at Essen University Hospital has consistently had positive experiences. As Anton S. Quinsten, Ltd. MTRA, reports, "We are really happy with the "get up" system from Febromed. The first few months have shown that the handle system is considered a real asset by both patients and personnel."

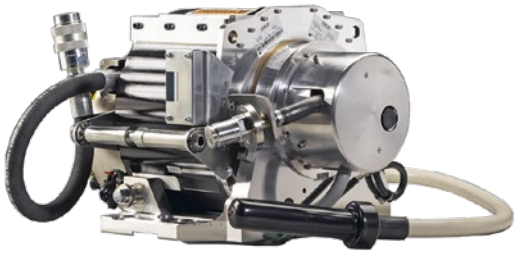
Space-saving and durable

The 'get up' handle system is designed for space-saving mounting on the ceiling and can be swivelled by 360°. The structure can be locked in 15° increments so that the system is always in the optimal position for the patient. This purely mechanical construction ensures easy handling and extended durability.

www.febromed.com

ACCESSORIES / COMPLEMENTARY SYSTEMS

Dunlee · CT Replacement Tubes



Highlights
Dunnlee's CT replacement tubes:
- Suitable for a variety of the most popular GE scanner types
- Offer excellent quality
- Meticulously engineered to be OEM-equivalent
- Include 24/7/365 technical support
- Tube stocks at major airport hubs in the United States, Europe and Asia

Dunlee · Components Bundle for CT

Highlights
- Meets your needs for an ideal integration into mid-range to high-end CT systems
- For a fast integration into your development process to speed up the time to market
- Excellent cooling capability meets high-resolution imaging
- The bundle consists of an X-ray tube, generator, cooling unit and cables

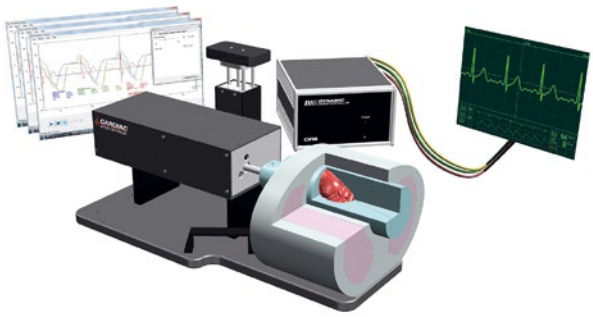
Febromed · GET UP

For your patients:
- independent moving
- safe support in any position
- safe motion for seniors and disabled people

For your staff:
- ergonomic working
- reduced physical workload
- fast changing oft he sling

For your facility:
- various combination with existing systems
- small space requirement
- mounting on wall, floor or ceilin on customer request

GCTechnology GmbH · CIRS Phantoms



Highlights
- Electron density phantom for calibration
- Dynamic Lung phantom
- Dynamic Cardiac phantom
- CT dose phantoms
- Bone analysis CT simulator
- Plastic water and tissue equivalent materials
- Spiral/helical CT phantom
- AAPM CT performance phantom
- 3D sectional torso Phantom
- Head phantom

I.A.E. · RTC 165

Highlights
- Replacement for GE Scanners: Sytec 6,000 / 8,000 Prospeed, Hispeed Dxi, Fxi, Lxi CT/i Advantage
- Reloaded in original CT Housing
- Careful refurbishing of original casing
- Replacing of all wear subject components
- Special cathode processing for reliable current emission
- Controlled thickness window for consistent HVL

RESTORING YOUR WAY OF LIFE

INTRODUCING THE NEW ROT 360 REPLACEMENT TUBE

Direct replacement for the Philips ROT 360 or SRO33100 in the ROT 350 housing
RAD, RF, Surgery, Mobile applications
High performance glass/metal tube
Equivalent OEM heat units 325kHU or 500kHU

VAREX IMAGING

VarexImaging.com | Replacement.CS@VarexImaging.com | 843-767-3005

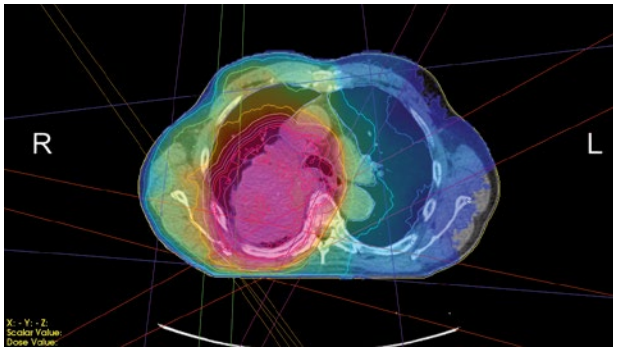
ACCESSORIES / COMPLEMENTARY SYSTEMS

LEONI · Cable Systems

Highlights

LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for CTs and can collaborate in the development phase. As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

PTW · DICOM RT Studio



Highlights

- Versatile radiotherapy add-on for PACS
- DICOM RT Studio visualizes treatment plan information, such as radiation beam geometries, radiation dose distributions and structure datasets
- The unique extension possibilities, offering evaluation and verification tools, make it the ideal completion of any DICOM PACS system

Toshiba Electron Tubes & Devices · CT Tube assembly

Highlights

- For CT systems (2-MHU to 4-MHU)
- Uses a liquid metal bearing
- Supports 0.5 s full scans
- Our unique liquid metal bearing technology uses an all-metal target, enabling high anode heat dissipation with low noise and long bearing life.

Varex Imaging · Cardinal CT Tube

Highlights

The Cardinal (Computed Tomography) CT tube is being designed into new OEM equipment and is also a direct replacement for the Stargate / CTR-2150 tube used in Philips Brilliance 6 and 16 CT scanners. The Cardinal has a high heat capacity with excellent image quality and throughput allowing for quicker imaging.

Varex Imaging · CT Replacement Tube - MCS 8064

Highlights

The MCS 8064 is an anode end grounded (AEG) Computed Tomography (CT) tube designed as a replacement tube for Lightspeed VCT series scanners. The tube has a 240 mm (9.4") 140 kV, 5.7 MJ (8.0 MHU) maximum anode heat content, rotating anode insert. The insert features a 7° tungsten-rhenium facing on molybdenum with a graphite backed target. The MCS 8064 offers lower life cycle costs and boasts a full 12-month warranty. The MCS-8064 installs and calibrates on the LightSpeed VCT like the original OEM tube.

Varex Imaging · CT Replacement Tube - MCS 6074

Highlights

The MCS 6074 Computed Tomography (CT) tube is designed as a replacement tube for the GE LightSpeed and BrightSpeed families of CT scanners. The tube has a 200mm (7.9") 140 kV, 4.7 MJ (6.3 MHU) maximum anode heat content, rotating anode insert. The insert features a 7° tungsten-rhenium facing on molybdenum with a graphite backed target. The MCS 6074 calibrates like the original, has long life bearings with 0.5 second full scans and offers a full 12-month warranty.

Magnetic Resonance Imaging

7 Tesla

3 Tesla

1.5 Tesla

Open

Oncology MR

MR-PET

MRT Coils

Accessories / Complementary Systems

Canon

GCTechnology GmbH

HITACHI
Inspire the Next

LEONI

mindray

Swissray

7 TESLA

Siemens Healthineers · MAGNETOM Terra

Field strength	7 T
Gradient	80 mT/m
Slew rate	200 T/m/s
Channels	Up to [64 x 64]

Highlights

- World's first 7T MRI scanner released for clinical use
- Dual Mode - secure switch between research and clinical operation
- 50 % lighter 7 T magnet technology for easier integration into clinical environments
- Double SNR for more precision
- XR 80/200 gradients; 8 channel parallel transmit functionality in research mode
- Submillimeter BOLD fMRI precision for pre-surgical evaluation
- Latest applications available with *syngo* MR E11 software

3 TESLA

Canon · Vantage Galan 3 T

Gradient	33 or 45 mT / m
Slew rate	200 mT / m / ms
Channels	128

Highlights

- Patient friendly 71cm wide bore with 50 x 50 x 45 cm cylindrical scan area
- High resolution imaging in daily practice with PURERF and Saturn gradient technology
- EasyTech solutions for automated scan-planning and increased productivity
- Silent scanning with Pianissimo Zen sequences
- M-power intuitive graphical user interface
- Image reconstruction of 25.000 img / s.
- Next generation scan techniques, MultiBand SPEEDER, UTE, mUTE, FASE diffusion
- Reduced Total Cost of Ownership by Eco Mode and low power requirements

GE Healthcare · SIGNA Premier 3.0 T

Gradient	80 mT/m
Slew rate	200 T / m / s
Channels	146

Highlights

- Ultra-High end MRI with ultra strong SuperG Gradients, 70 cm wide bore, detachable table and total digital imaging
- Combines high performance with innovative coil technology
- Equipped with latest acceleration technique HyperSense / HyperBand, machine learning and cloud-based analytic tools
- The suitable system for research centers and customers with exceptional requirements

GE Healthcare · SIGNA Architect 3.0 T

Gradient	44 mT / m
Slew rate	200 T / m / s
Channels	96 / 128

Highlights

- High end 3.0T MRI with 70 cm wide bore, detachable table and total digital imaging
- Dedicated to high patient comfort and productivity with the latest SIGNA Works platform and new technologies like ViosWorks 7D Flow and Hyper-Sense/HyperBand acceleration technique

GE Healthcare · SIGNA Pioneer 3.0 T

Gradient	36 mT / m
Slew rate	150 T / m / s
Channels	65 / 97

Highlights

- New 3 T wide bore MR with future oriented technologies in the areas of image quality, productivity, profitability and patient comfort
- High productivity with the SIGNA Works platform
- Latest technologies like ViosWorks 7D Flow, HyperSense / HyperBand acceleration technique
- Total digital imaging and ultra high efficient gradients (UHE) equivalent to 44/200

GE Healthcare · MRgFUS / ExAblate & SIGNA Architect 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Focused, non-invasive thermal ablation therapy, combining highly energetic focused ultrasound (ExAblate) with MRI imaging
- CE-certified for: Uterine fibroids, bone metastases, facets, essential tremor, tremor dominant Parkinson's disease, neuropathic pain
- MRI guidance for therapy planning, targeting and thermal feedback, with immediate results

GE Healthcare · MR Surgical Suite & SIGNA Architect 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Surgical Suite is a solution for enabling pre-operative, intra-operative, and post-operative MRI imaging for a patient undergoing neurosurgery
- Includes all necessary additional equipment and offers the combination of a fully equiped Maquet OP table with a state-of-the-art MRI

Siemens Healthineers · MAGNETOM Prisma

Field strength 3T
Gradient 80 mT / m
Slew rate 200 T / m / s
Channels Up to [204 x 128]

Highlights
- A unique MR design driving innovation in research applications
- Unique scannner technology in one package: benchmark 3T magnet homogeneity; highest gradient amplitude and performance with XR 80 / 200 gradients; advanced parallel transmit technology for zoomed imaging and ultra-high coil element density with Tim 4G designed for maximum SNR and extreme iPAT performance
- Driving the largest and most active MRI research network
- Latest applications available with *syngo* MR E11 software

Siemens Healthineers · MAGNETOM Vida

Field strength 3T
Gradient 45 mT / m or 60 mT / m
Slew rate 200 T / m / s
Channels Up to [228 x 128]

Highlights
- The first MRI scanner with BioMatrix Technology with BioMatrix Sensors, Tuners, and Interfaces
- An all-new, 3T magnet with a large Field-of-View of 55 x 55 x 50 cm^3
- Up to 60 / 200 XT gradients – for up to 25 % higher SNR* for DWI
- Accelerate workflow beyond scan time reduction, enabling higher throughput and robustness in clinical routine with GO technologies
- Perform free-breathing liver dynamics and cardiac MRI with Compressed Sensing GRASP-VIBE** and Compressed Sensing Cardiac Cine
- Reliable and predictable whole-body MRI exams – in just 25 minutes

* Values for a 196 cm person ** 510(k) pending.

Siemens Healthineers · MAGNETOM Skyra

Field strength 3T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to [204 x 128]

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- High patient comfort with 70 cm Open Bore, quiet exams, and short system design
- Up to 50 % higher productivity with Tim 4G and Dot*
- Top-of-the-line applications and technologies for clinical routine and research
- DirectRF – digital in / out for high signal purity and improved stability
- Maximizing return due to minimized siting requirements and lower TCO through increased energy efficiency
- Latest applications available with *syngo* MR E11 software

** Case Study Cardiac Dot Engine by: Dr. Russell Bull, Royal Bournemouth Hospital, UK*

Siemens Healthineers · MAGNETOM Spectra

Field strength 3T
Gradient 33 mT / m
Slew rate 125 T / m / s
Channels Up to [120 x 24]

Highlights
- Outstanding image quality and speed with Tim 4G technology
- Excellent usability and image consistency with DotGO and Dot Cockpit
- Comfortable and easy patient setup with SlideConnect & DirectConnect
- Low operating cost through low power consumption and Zero Helium boil off
- Fast break-even due to unmatched financial performance
- Latest applications available with *syngo* MR E11 software

1.5 TESLA

Canon · Vantage Orian 1.5 T

Gradient 34 or 45 mT / m
Slew rate 155 or 200 mT / m / ms
Channels 128

Highlights
- Patient friendly 71cm wide bore with 55 x 55 x 50 cm spherical scan area
- High resolution imaging in daily practice with PURERF and Saturn gradient technology
- EasyTech solutions for automated scan-planning and increased productivity
- Silent scanning with Pianissimo Zen sequences
- M-power intuitive graphical user interface
- Image reconstruction of 25.000 img / s.
- Next generation scan techniques, MultiBand SPEEDER, UTE, mUTE, FASE diffusion
- Reduced Total Cost of Ownership by Dual Eco Mode and low power requirements

Canon · Vantage Titan

Gradient 34 mT / m
Slew rate 148 mT / m / ms
Channels 8, 16 or 32 ch

Highlights
- Patient friendly 71 cm open bore with 55 x 55 x 50 cm spherical scan area
- Pianissimo, acoustic noise reduction system
- Low couchtop of 43 cm for easy patient access
- Connectivity of 128 coil elements with 8, 16 or 32 channel-readout
- Next generation of contrast-free angio-graphy FBI, CIA, t-slip, TSA, HOP, FSBB
- Image recon of up to 12,600 img / s
- Intuitive M-Power graphical user interface

Canon · Vantage Elan

Gradient 33 mT / m
Gradient slew rate 125 mT / m / ms
Channels High Speed Switching

Highlights
- Patient friendly 63 cm open bore with 55 x 55 x 50 cm spherical scan area
- Pianissimo Σ , acoustic noise reduction system
- Low couchtop of 45 cm for easy patient access
- Next generation of contrast-free angio-graphy FBI, CIA, t-slip, TSA, HOP, FSBB
- Image reconstruction rate of up to 12,600 img / s
- Intuitive M-Power graphical user interface
- Integrated cooling cabinet

GE Healthcare · MR Surgical Suite & SIGNA Artist 1.5 T

Gradient 33 mT / m
Slew rate 120 T / m / s
Channels 32

Highlights
- Surgical Suite is a solution for enabling pre-operative, intra-operative, and post-operative MRI imaging for a patient undergoing neurosurgery
- Includes all necessary additional equipment and offers the combination of a fully equipped Maquet OP table with a state-of-the-art MRI

GE Healthcare · MRgFUS / ExAblate & SIGNA Artist 1.5 T

Gradient 33 T / m
Slew rate 120 T / m / s
Channels 32

Highlights
- Focused, non-invasive thermal ablation therapy, combining highly energetic focused ultrasound (ExAblate) with MRI imaging
- CE-certified for: Uterine fibroids, bone metastases, facets, essential tremor, tremor dominant Parkinson's disease, neuropathic pain
- MRI guidance for therapy planning, targeting and thermal feedback, with immediate results

GE Healthcare · SIGNA Artist 1.5 T

Gradient	44 mT / m
Slew rate	200 T / m / s
Channels	96 / 128

Highlights
- High end 1.5 T MRI System with 70 cm bore, detachable table and total digital imaging
- Dedicated to patient comfort and productivity with the new SIGNA Works platform and new technologies such as ViosWorks 7D Flow and HyperSense / HyperBand acceleration technique

GE Healthcare · SIGNA Voyager 1.5 T

Gradient	36 mT / m
Slew rate	150 T / m / s
Channels	33 / 49 / 65

Highlights
- New 1.5T MRI with 70 cm wide bore and future oriented technologies in the fields of imaging quality, productivity, energy efficiency and patient comfort
- High productivity thanks to SIGNA Works platform with SilentScan and MAGiC technology for the acquisition of up to 8 image contrasts in one scan
- Compatible with acceleration technologies HyperSense and HyperBand
- Total Digital Imaging and ultra-high efficient UHE gradients equivalent to 44 / 200

GE Healthcare · SIGNA Explorer 1.5 T

Gradient	33 mT / m
Slew rate	120 T / m / s
Channels	16

Highlights
- Reliable clinical results as well as high productivity and profitability
- High productivity thanks to latest SIGNA Works platform with SilentScan and MAGiC
- Efficient workflow thanks to automatic presets, Slide Bar and integrated express coil technology and 16-channel flex coils
- Digital OpTix RF-technolgy

GE Healthcare · SIGNA Creator 1.5 T

Gradient	33 mT / m
Slew rate	120 T / m / s
Channels	8

Highlights
- Reliable clinical results as well as high productivity and profitability
- High productivity thanks to latest SIGNA Works platform
- Digital OpTix RF-technolgy
- MAVRIC SL enables advanced visualization of soft tissues and bone near MR conditional metallic devices
- Efficient workflow thanks to automatic presets, Slide Bar and integrated express coil technology

Siemens Healthineers · MAGNETOM Aera

Field strength	1.5 T
Gradient	Up to 45 mT / m
Slew rate	Up to 200 T / m / s
Channels	Up to [204 x 64]

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- High patient comfort with 70 cm Open Bore in combination with ultra-short system design (145 cm cover to cover)
- DirectRF – digital in / out for high signal purity and improved stability
- Maximizing return due to minimized siting requirements and lower TCO through increased energy efficiency
- Up to 50 % higher productivity with Tim 4G and Dot
- Latest applications available with *syngo* MR E11 software such as Compressed Sensing Cardiac Cine, GOBrain, GOBrain+ and many more

** Case Study Cardiac Dot Engine by: Dr. Russell Bull, Royal Bournemouth Hospital, UK*

Siemens Healthineers · MAGNETOM Amira

Field strength	1.5 T
Gradient	33 mT / m
Slew rate	125 T / m / s
Channels	Up to [96 x 24]

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- Right Timing and motion insensitive techniques for liver exams with FREEZEit
- 10-min exams with best-practice-based protocols
- Up to 30 % energy savings in standby mode with Eco-Power
- Increased throughput with Tim 4G and DotGO
- Maximizing return due to minimized siting requirements and costs
- Latest applications available with *syngo* MR E11 software such as GOBrain, GOBrain+, SMS and many more

1.5 TESLA

Siemens Healthineers · MAGNETOM Sempra

Field strength 1.5 T
Gradient 30 mT / m
Slew rate 100 T / m / s
Channels Up to [96 x 16]

Highlights
- 10-min exams with best-practice-based protocols
- Up to 30% energy savings in standby mode with Eco-Power
- Increased throughput and consistency with Brain, Spine and Large Joint Dot engines
- More patient comfort with ultra-light-weight Tim 4G coils and Quiet Suite
- Expand clinical offerings with advanced trendsetting applications

Siemens Healthineers · MAGNETOM ESSENZA

Field strength 1.5 T
Gradient 30 mT / m
Slew rate 100 T / m / s
Channels Up to [46 x 16]

Highlights
- Increase patient-satisfaction with light-weight coils and ultra-short magnet design
- Increased throughput, consistency, and ease of use – with Dot
- Greater clinical scope with standard and advanced clinical applications
- Low operating cost through low power consumption and zero helium boil-off
- Fast break even due to optimum TCO
- Future security with latest application portfolio based on *syngo* MR E11

Swissray · SR Pulse 710

Gradient 33 mT / m
Slew rate 132 T / m / s
Channels 16

Highlights
- High homogeneity, zero boil-off 1.5 T magnet
- Widest patient bore – 71 cm
- 250 kg table support
- High resolution, exceptional image quality
- FOVs up to 50 cm in all three directions
- Combine RF coil elements for easy multi- step coverage
- Intuitive UI allows quick adaption and highest throughput
- Low total cost of ownership

OPEN

Hitachi · ECHELON Smart

Field strength 1.5 T
Gradient 33 mT / m
Slew rate 100 T / m / s

Highlights
- "SmartQUALITY" for superb clinical images and sophisticated applications
- "SmartSPEED" for reduced examination time
- "SmartCOMFORT" for an extraordinary quiet patient experience
- "SmartECO" for low running costs
- "SmartSPACE" to offer the smallest possible installation footprint

Hitachi · OASIS

Field strength 1.2 T
Gradient 33 mT / m
Slew rate 100 T / m / s
Channels 8

Highlights
- World's most powerful open MRI
- 1.2 T vertical field superconductive magnet for high SNR
- 270° panoramic view, accommodates claustrophobic, paediatric, obese patients
- Fully motorized extra wide 82 cm patient table (up to 300 kg)
- Two-pillar asymmetric design
- Soft Sound Technology
- Multiple coil connectors with Zenith solenoid element based, highly sensitive receiver coils

Hitachi · APERTO Lucent O5

Field strength 0.4 T
Gradient 25 mT / m
Slew rate 55 T / m / s

Highlights
- Wide, 320 degrees open permanent MRI system
- Features top field strength – 0.4 T – amongst the permanent MRI systems presently on the market
- Newly developed built-in technologies keep APERTO Lucent delivering image quality comparable with entry level HF MRI scanner
- Fast processing chain allows increasing patient throughput
- Reduced running costs allowing fast return of investment

Hitachi · AIRIS Vento O5

Field strength 0.3 T
Gradient 22 mT / m
Slew rate 55 T / m / s

Highlights
- Comfort class permanent open MRI system, which keeps enhanced capabilities meeting sophisticated open design
- Offers newly developed technologies available at an excellent cost of ownership
- High magnetic field homogeneity
- Environment friendly: extremely low power consumption and reduced installation requirements
- Low running costs allowing fast return of investment

Hitachi · AIRIS Light

Field strength 0.25 T
Gradient 22 mT / m
Slew rate 55 T / m / s

Highlights
AIRIS Light – the economic, compact and wide open MR solution
- The open system architecture gives not only a feeling of security but also has considerable merits when taking care of small children and elderly patients
- The floating table allows to fit the system into small spaces while giving the possibility of placing the patient always in the centre to achieve high image
- Newly developed built-in technologies give you high performances in a small footprint system

Mindray Medical · MagSense 360 MRI System

Field Strength 0.36 T
Gradient 25 mT / m
Slew rate 60 T / m / s

Highlights
- Innovative InScan Technology
- Advanced Gradient system Design
- Ergonomic Design make you more comfortable
- Multi-clinical Applications satisfied doctors requirement
- Multiple coils selection make all examination reality

ONCOLOGY MR

Siemens Healthineers · MAGNETOM RT Pro edition

Highlights
- Support precision in radio-therapy with MAGNETOM Aera, Skyra or Vida and trendsetting applications such as RESOLVE, StarVIBE or Compressed Sensing GRASP-VIBE
- Scan patients consistently in the treatment position with dedicated RT positioning equipment (CIVCO, Orfit, Qfix), an MR compatible laser bridge (LAP), and a large variety of flexible coils
- Rely on intuitive and dedicated RT workflows with the RT Dot Engine and the RT Image Suite

MR-PET

GE Healthcare · SIGNA PET / MR 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Exciting diagnostic possibilities thanks to simultaneous PET / MR acquisition
- 3.0 T magnetic resonance (MR) technology integrated with GE's latest positron emission tomography (PET) technology
- SiPM detector with excellent timing resolution enabling Turbo time-of-flight (TurboTOF) reconstruction, suitable for ultra short-lived positron emmitters

MR-PET

Siemens Healthineers · Biograph mMR

Field strength	3 T
Gradient	45 mT / m
Slew rate	200 T / m / s
Channels	Up to [102 x 32]

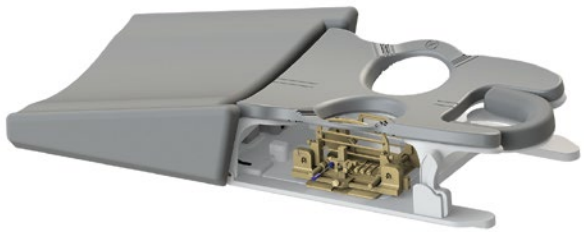
Highlights

- Largest customer base of installed MR-PET systems worldwide
- State-of-the-art 3 T MRI with 2nd order shim
- Comprehensive set of surface coils available for full range of MR-only exams
- Not only simultaneous, but synergistic MR-PET: MR-based motion compensation of PET images
- Whole-body MR-based PET attenuation correction including major bones
- Up to 10 bed positions with MR-PET
- Latest applications available with *syngo* MR E11 software

MRT COILS

NORAS · Breast Biopsy 6-Channel Coil Height-Adjustable

Field strength	1.5 and 3 T
Channels	6 / 18
System platform	Siemens

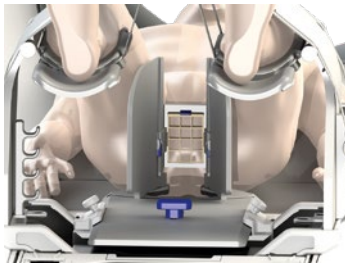


Highlights

- Breast biopsy system, modularly expandable to 18-channel diagnosis coil (Compatible with Variety 16-Channel Multipurpose Coil).
- Breast biopsy solution for large and small breasts.
- Extended access for breast biopsy (laterally, medially and cranio-caudally)
- Lighting integrated in the patient rest (LED)

NORAS · Uni-Lift Prostate Intervention Device

Field strength	n / a
Channels	n / a; Compatible with standard MR coil portfolio
System platform	70 cm Bore MR Systems

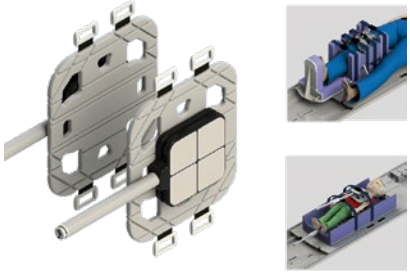


Highlights

- The "Uni-Lift" is a MR-compatible Holding Device for for MR-guided interventions of the prostate.
- It allows comfortable patient positioning in supine position, which guarantees excellent transperineal access for the performing physician towards the prostate in the MRI system.
- The Uni-Lift device can also be used for therapy of the prostate.

NORAS · Variety 16-Channel Multipurpose Coil with Positioning Aids

Field strength	1.5 and 3 T
Channels	16 (2 x 8)
System platform	Siemens Tim Systems

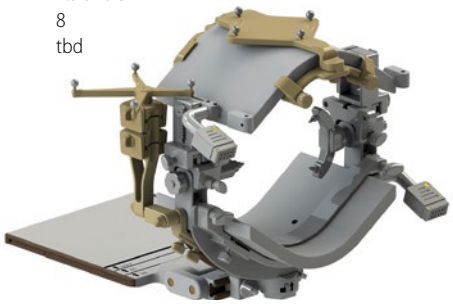


Highlights

- The "Variety" is a 16-channel multipurpose flex coil, which has been developed for high flexibility during examination of challenging anatomic regions. The areas of application of the "Variety" include: diagnosis in orthopedics, pediatrics and veterinary medicine.
- Slim design and optional dedicated positioning aids enable coil placement close to anatomy of interest for optimal image quality.

NORAS · OR Head Holder „Lucy"

Field strength	1.5 and 3 T
Channels	8
System platform	tbd



Highlights

- The new OR Head Holder "Lucy" is MR- and X-Ray compatible Solution for multimodal applications.
- The lower coil half is height-adjustable, which enables excellent anatomical coil arrangement and provides very good image quality.
- The 3-point Fixation with integrated force display ensures the secure immobilization of the patient's head.
- Due to the unique sterile concept is OR drape optimal protected.

NORAS · Uni-Belt 16-Channel Diagnostics and Intervention Coil

Field strength	1.5 and 3 T (on request)
Channels	16
System platform	Siemens

Highlights

- The "Uni-Belt "allows MR imaging and MR-guided interventions of the prostate and other internal organs.
- It can be wrapped around hip and abdomen as well as around the chest.
- The coil size is designed for optimal penetration depth to the body center.
- The "Uni Belt" provides high signal quality based on the complete covering of elements and can also be used for corpulent patients.

ACCESSORIES / COMPLEMENTARY SYSTEMS

allMRI GmbH · Vacuum Immobilisation

Highlights
- Different MRI vacuum mats for all scans of joints available.
- No movement, no repeat scans, optimal first time images.
- Quick and easy patient positioning, rapid fixation.
- Increased patient comfort, increased throughput.
- Ease of use for the technologist .
- Rapid pay-back, increased return on your MRI investment.

allMRI GmbH · Foldable MRI wheelchair

Highlights
MRI safe foldable wheelchair entirely made of 100 percent thermoplastic, including the ball bearing, two swing out adjustable footrests and armrests, also solid rubber tires.

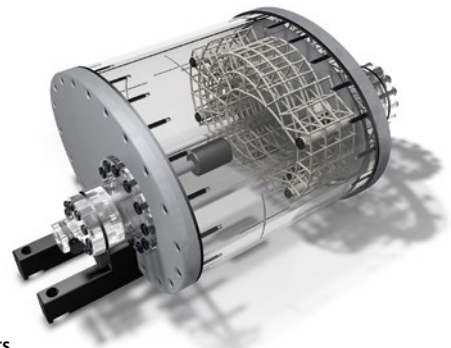
allMRI GmbH · Hygiene Trolley With Syringe Dispensers

Highlights
- Three drawers with a lot of room for personal protective equipment.
- 5-fold boxes each: 129 x 113 x 152 mm (H x W x D) or 4-fold boxes each: 165 x 142 x 190 mm (H x W x D)
- Drawer each: 165 x 360 x 530 mm (H x W x D)
- Total dimensions 1.310 x 700 x 570 mm (H x W x D)
- Load capacity each drawer: max. 8 kg

allMRI GmbH · High-Pressure MRI Injector Syringe Kits

Highlights
Broad line of fully compatible plug and play high-pressure syringes for use with different MRI Injectors. Coiled Y-connecting tube with check valves, long and short vented spikes.

GCTechnology · CIRS Phantoms



Highlights
- MRI-Linac Dynamic Phantom
- Main and Large field MRI distortion phantoms
- Triple Modality Abdominal Phantom
- Lumbar Training Phantom
- Anthropomorphic 3D Skull Phantom
- Multi-Modality Breast Biopsy and Sonographic Trainer
- Multi-Modality Prostate Phantoms
- Multi-Modality Pelvic-Phantom
- Gillian QA Phantom for distortion and alignment

LEONI · Cable Systems

Highlights
LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for MRTs and can collaborate in the development phase. As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

Injectors

INJECTORS

Bracco · CT Exprès

Syringe Syringeless injector
Pressure 9.1 bar max
Flow rate 0.5 – 9.9 mL / s in steps of 0.1 mL / s
Application CT

Highlights
- Direct injection from contrast media bottles
- Air and occlusion detection on fluid channels
- Unidirectional flow of fluid
- Locking and automatic filling
- Digital interface, dual touch screens
- DiluJect (optional): contrast media and saline are injected in rapidly alternating flow through the injector
- Day Set III *HP* designed for 24 hours
- Pre-warmed contrast media maintained at 37 °C

Bracco · EmpowerCTA+

Syringe 200 ml (CM), 200 ml (NaCl)
Pressure 40 to 325 psi in user-specified increments of 1 psi
Flow rate 0.1 to 10.0 ml / sec in user-specified increments of 0.1 ml / sec
Application CT

Highlights
- Tilt sensor / lockout
- Arming at the injector
- Independently rotating and very compact injector head (270 degrees)
- Integrated electroluminescent display
- Modular flexibility of components and WINDOWS based software allow optimal serviceability and enhanced expandability
- Touch-screen color LCD display and intuitive software

Bracco · EmpowerMR

Syringe 100 ml (CM), 100 ml (NaCl)
Pressure 40 to 300 psi in user-specified increments of 1 psi
Flow rate 0.1 to 10.0 ml / sec in user-specified increments of 0.1 ml / sec
Application MR

Highlights
- Hydraulic injector system
- MRI compatible through the use of polymers and non-ferromagnetic metals
- Little contrast media waste due to the very short distance between injector head and patient
- Very lightweight injector head
- No active components in the shielded room (no battery)

Guerbet · FLOWSENS SYRINGELESS CT Contrast Delivery System

Connectivity Yes
Syringe Syringeless injector
Flow rate 0.3 – 10 ml/s (steps of 0.1 ml/s)
Pressure monitoring Graphical & Numerical (21 bars (305 PSI) max)

Highlights
QUICK, EASY & SAFE WORKFLOW
- Advanced touchscreen interface
- Only few seconds between patients
- 12H manyFlow (closed pre-connected day set)
- Secufill patient line (scientific study on demand)
- All available media containers
- Check-valves (no backflow)
- 4 Air sensors
- Temperature maintenance
- Simultaneous Injection (optional): 20 – 80%
- Vein test
- Loading, Filling & Priming: Automatic
- Configurations: Pedestal & Ceiling

Guerbet · OPTISTAR ELITE MR Contrast Delivery System

Syringe 10, 15, 20, 30 mL prefilled syringes*; 50, 125 ml prefilled saline syringes*; 60 ml empty syringes
Flow rate 60 ml empty syringe: 0.1 – 10.0 ml/s; others: 0.1 – 8.0 ml/s
Pressure control Automatic
Compatibility Prefilled syringes* & vials

**where available*

Highlights
QUICK, EASY & SAFE WORKFLOW
- Battery free & 3T certified
- One click loading
- Auto-retract rams
- Powerhead keys
- Console enable
- Timing Bolus
- Colour touchscreen
- Vein test (Patency check)
- Variable drip mode

INJECTORS

Guerbet · OPTIONE Single Head CT Contrast Delivery System

Connectivity	Yes
Syringe	200 ml disposable single use syringes or 50, 75, 100, 125 ml prefilled syringes
Pressure	325 PSI max
Flow rate	0.1–10 ml/s
Volume	0.1– 200 ml

Highlights
- Scan Delay, Phase Delay, Auto-fill, Auto purge
- Timing Bolus, Inject Delay
- Fully Programmable touchscreen powerhead
- Scanner relay interface as standard
- OptiBolus bolus shaping software extends the window of imaging opportunity
- Configurations: Pedestal and ceiling mount
- Loading, Filling & Priming: Automatic / Manual
- Heater : 37° ± 3°

Guerbet · OPTIVANTAGE Dual Head CT Contrast Delivery System

Connectivity	Yes
Syringe	Fully flexible / interchangeable faceplates. Accepts 200 ml disposable single use syringes or 50, 75, 100, 125 ml prefilled syringes
Pressure	325 PSI max
Flow rate	0.1–10 ml / s
Volume	0.1– 200 ml

Highlights
- Scan Delay, Phase Delay, Auto-fill, Auto purge
- Timing Bolus, Inject Delay, Patency check
- Fully Programmable touchscreen powerhead
- Scanner interface to CAN Open Class 4*
- OptiBolus bolus shaping software extends the window of imaging opportunity
- Configurations: Pedestal and ceiling mount options
- Loading, Filling & Priming: Automatic / Manual
- Simultaneous Injection: 10 % – 90 % (5 % steps)
- Heater: 37° ± 3°

**dependent on scanner manufacturer*

Guerbet · ILLUMENA NEO Multi-Mode Contrast Delivery System

Application	(Multimodality) Angiography, Cardiology, CT
Syringe	150, 200 mL disposable single use syringes or 50, 75, 100, 125 ml prefilled syringes
Flow rate	Angio Mode: 0.1 – 40.0 ml/s; CT Mode: 0.1 – 10.0 ml/s
Pressure	Angio Mode: 75 – 1200 psi; CT Mode: 75 – 300 psi

Highlights
- High visibility screen
- One finger operation fill bar
- Single or multi-injection procedures
- Switch between operating modes
- Hand switch and foot switches available
- Air Detection Aid & Warning System (ADAWS) identifies blood, empty syringes and air bolus
- Configurations: Pedestal, Ceiling or Table Mount
- Heater: 37° ± 3°

MEDTRON AG · Accutron CT

Flow rate	0.1 – 10 ml / s, programmable in steps of 0.1 ml / s
Capacity	200 ml Easy Loading Syringe (ELS)
Max. injection pressure	21 bar (304 psi)
Syringe	Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit, rechargeable batteries
- Integrated heated syringe holder with Easy Loading Syringe (ELS) 200 ml
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Secured injection position (built-in sensor)
- Aluminium housing
- Use of prefilled syringes (as an option)

MEDTRON AG · Accutron CT-D

Flow rate	For both injection units: 0.1 – 10 ml / s, programmable in steps of 0.1 ml / s
Capacity	200 ml (CM), 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	21 bar (304 psi)
Syringe	Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit with rechargeable batteries
- Integrated heated syringe holder for Easy Loading Syringe (ELS)
- Wireless touchscreen remote control
- Use of prefilled syringes (as an option)
- Secured injection position (built-in sensor)
- Alternatively, display of injection parameters or pressure graph
- Aluminium housing – wall or ceiling suspension
- CANopen Interface (as an option)

MEDTRON AG · Accutron HP

Flow rate	Angio mode: 0.1 – 30 ml / s, CT mode: 0.1 – 10 ml / s, programmable in 0,1 ml / s increments
Capacity	200 ml
Max. injection pressure	Angio mode: 83 bar (1,200 psi), CT mode: 21 bar (305 psi), programmable in 1 bar increments
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valves

Highlights

- Fast high-pressure injections for angiography and multiphase injection profiles for CT
- Wireless injector unit with rechargeable batteries
- Wireless touchscreen remote control (option)
- Wall or ceiling suspension system
- Integrated heated syringe holder for Easy Loading Syringe (ESL) 200 ml
- 120 injection profiles can be stored (60 angio / 60 CT)
- Aluminium housing – Interface (option)

INJECTORS

MEDTRON AG · Accutron HP-D

Flow rate	Angio mode: 0.1 – 30 ml / s, CT-mode: 0,1 – 10 ml / s, programmable in 0,1 ml / s increments
Capacity	200 ml (CM), 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	Angio mode: 83 bar (1,200 psi), CT mode: 21 bar (305 psi), programmable in 1 bar increments
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valves

Highlights
- The perfect companion for your advanced imaging procedures
- Designed for C-Arm Cone Beam CT sequences
- Optimized for Flat Detector CT imaging
- Improved venous explorations
- Stay mobile

MEDTRON AG · Accutron MR

Flow rate	0.1 – 10 ml / sprogrammable in 0.1 ml / s increments
Capacity	64 ml or 200 ml (CM), 64 ml or 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	21 bar (304 psi)
Syringe	Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit with rechargeable batteries
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Up to six phases – secured injection position
- Use of prefilled syringes (as an option)
- Alternatively, input of flow rate or phase duration
- Injection parameter monitoring
- Now with two remote controls

MEDTRON AG · Accutron MR3

Flow rate	CM / NaCl: 0,1 – 10 ml / s, programmable in 0,1 ml / s, increments, Infusion pump: 0,001 – 30 ml / min
Capacity	CM: 64 ml (ELS), NaCl: 200 ml (ELS) Infusion pump: 50 ml
Max. injection pressure	21 bar
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, optimized tube systems with check valve

Highlights
- Contrast medium injector with integrated infusion pump
- Infusion of medication even during the MR-examination
- MPRO Assist (MEDTRON ProfilAssistent) simplifies dose calculation for CARDIAC STRESS MR-exams
- Extended compatibility with contrast pre-filled syringes
- Memory of the last 40 injections

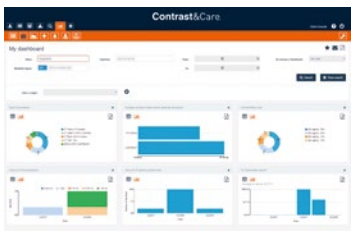
ACCESSORIES / COMPLEMENTARY SYSTEMS

Bracco · NEXO [DOSE]

Highlights
- NEXO [Dose] supports compliance with imminent European Directive (2013 / 59 / EURATOM)
- Single-server, fully automated system enables enterprise-wide data acquisition
- Multi-modality, vendor-neutral software minimizes installation time and costs
- Customized e-mail alerts help improve control and implement the ALARA* principle

*ALARA (as low as reasonably achievable)

Guerbet · Contrast&Care



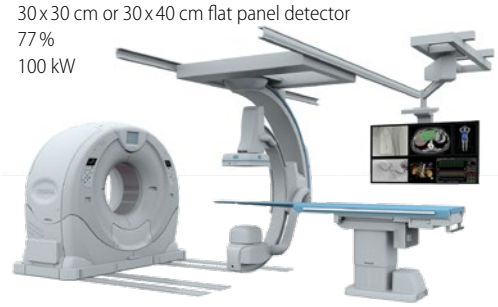
Highlights
Contrast&Care is a unique web based solution dedicated to contrast media management.
It connects to compatible power injectors and to the IT environment (HIS, RIS, PACS…) and collects injection data, adverse events information, injector activity, estimated glomerular filtration rate (eGFR) and risk factors.
Contrast&Care proposes a module to review the protocols before the exam, and presents the history of injections delivered to the patient with details of each procedures, adverse events, warnings and alerts if any. After the exam, Contrast&Care generates a report which includes, among other information, product data, injection phases, pressure and flowrate. Contrast&Care also provides, as an option, a set of tools to analyze the injection activity and to manage contrast media recalls conveniently.

Interventional Systems

MULTI MODALITY SUITES

Canon · Infinix-i 4D CT

Design Integration of High End CT with dedicated Angiography system
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW



Highlights

This integrated system combines premium CT and ceiling-mounted angiography technology. The perfect diagnostic and treatment set-up for high-risk procedures in various interventional segments such as:

- Interventional Oncology
- Trauma
- Neuro / Stroke
- General Vascular
- Additional or Backup CT

The system is available with 3 different CT configurations: Aquilion ONE – Aquilion PRIME – Aquilion LB

Siemens Healthineers · nexaris Angio-CT

Design Combined high-end CT and C-arm angiography in one solution

Highlights

- First hybrid suite with a common coordinate system that fuses images instantly
- Direct access to angio and CT with Quick Switching
- Efficient multi-room configurations to share imaging equipment
- Enabling combined CT and angio guidance in one session

SOMATOM Edge Plus and InstantFusion are pending 510(k) clearance, and is not yet commercially available in the U.S.

Siemens Healthineers · nexaris Angio-MR-CT

Design Seamless combination of MR, CT, and angio imaging in one environment

Highlights

- Unprecedented imaging capabilities with all the advantages of angiography, MR, and CT imaging
- Patient transfer without repositioning for barrier-free intraoperative imaging
- Innovative treatments that combine multiple imaging modalities in a single procedure

The SOMATOM Edge Plus is pending 510(k) clearance, and is not yet commercially available in the U.S.

BI-PLANE

Canon · Infinix-i Biplane

Design Unique lateral Omega-arm movement
Detector Two 20 x 20 cm flat panel detectors
DQE 77 %
Power 100 kW

Highlights

Cardio intervention demands speed, precision, and optimum performance. The Infinix-i Biplane is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.

Canon · Infinix-i Dual Plane

Design Dual Plane cardiac and vascular system in single room
Detector 20 x 20 cm and 30 x 40 cm flat panel detectors
DQE 77 %
Power 100 kW

Highlights

- A single room X-ray solution with two C-arms both with dedicated imaging chains for interventional cardiac and angiography procedures that share a common generator, table, monitors and digital acquisition system. Designed for both diagnostic and interventional examinations.
- Space, time and dose saving technology are key design elements of the Infinix-i Dual Plane.

Canon · Infinix-i Biplane

Design Unique lateral Omega-arm movement
Detector 30 x 30 cm with 30 x 30 cm or 30 x 30 cm with 30 x 40 cm flat panel detectors
DQE 77 %
Power 100 kW

Highlights

Vascular intervention demands speed, precision, and optimum performance. The Infinix-i Biplane is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.

GE Healthcare · Innova IGS 630

DQE 77 %
Detector Biplane Angio system
Size 30 x 30 cm frontal / 30 x 30 cm lateral

Highlights
- Optimal detector size for dedicated neuro applications
- Innova CT HD, enhanced 3D imaging
- High detector DQE and AutoEx for dose optimization
- Advanced 3D guiding technology
- Integrated large display monitor

GE Healthcare · Innova IGS 620

DQE 79 %
Detector Biplane cardiac system
Size 20 x 20 cm frontal / 20 x 20 cm lateral

Highlights
- Smart gantry for optimal C-arm positioning
- High detector DQE and AutoEx for dose optimization
- Complete integration of intra-vascular-ultrasound, FFR
- InnovaSense patient contouring
- Integrated large display monitor

Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
Biplane system for interventional imaging. The Artis biplane system offers high performance in inter-ventional imaging combined with high positioning flexibility.
- Left-side biplane imaging position for free head access
- Single plane operation with extended position flexibility enabled by rotated table
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s

Shimadzu · Trinias B12 / B8 unity edition

Size 12" x 12" (30 x 30 cm) / 8" x 8" (20 x 20 cm)
Detector Dynamic flat panel detector (CsI)
Resolution 2.58 Lp / mm

Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Unique pioneering imaging technol-ogy: motion-tolerant SCORE RSM
- SCORE StentView+Plus
- SCORE CT
- SCORE 3D
- SCORE Navi / Navi+Plus
- SMART design concept
- Comprehensive dose management package

SINGLE PLANE

Canon · Infinix-i Hybrid

Design Hybrid OR system
Detector 30 x 40 cm, 30 x 30 cm, 20 x 20 cm Flat panel detector
DQE 77 %
Power 100 kW

Highlights
The combination of the Infinix-i ceiling mounted C-arm with a fully integrated dedicated surgical table, e.g. Maquet Magnus or Trumpf Trusystem 7500, perfectly meets the requirements for the rapidly growing number of hybrid procedures. Its flexibly designed ceiling rail system allows perfect patient access in any situation. The system is available with two different flat panel sizes: 30 cm x 40 cm and 30 cm x 30 cm.

Canon · Infinix-i Hybrid+

Design Hybrid OR system
Detector 30 x 40 cm Flat panel detector
DQE 77 %
Power 100 kW

Highlights
The combination of the Infinix-i ceiling mounted C-arm with a fully integrated dedicated surgical table, e.g. Maquet Magnus or Trumpf Trusystem 7500, perfectly meets the requirements for the rapidly growing number of hybrid procedures.
With its unique double sliding C-arm the Infinix-i Hybrid+ provides ultrafast whole body 3D coverage, free head access and a unique lateral C-arm stroke for better ergonomics, improved productivity and stunning 3D images from head to toe.

SINGLE PLANE

Canon · Infinix-i Sky

Design Unique lateral C-arm movement
Detector 20 x 20 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The Infinix-i Sky is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.

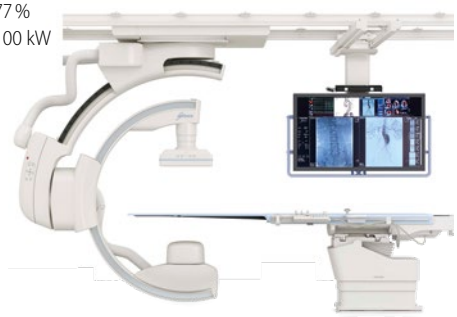
Canon · Infinix-i Sky

Design Unique lateral C-arm movement
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The Infinix-i Sky is designed to take advantage of the latest technological innovations to reduce dose for patients and staff.
A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.

Canon · Infinix-i Sky+

Design Dual sliding C-arm for high speed 3D acquisition
Detector 30 x 40 cm
DQE 77 %
Power 100 kW



Highlights
Nowadays 3D plays a key role in high risk procedures such as aneurysm coiling, AVM / Fistula embolization, endovascular Aortic Aneurysm Repair, etc.
As its new flagship, the INFINIX-i Rite Edition incorporates state-of-the-art technologies allowing whole 3D body coverage at 80° / sec covering a range of 210°, from head to toe without any patient or table movement and free head access.

Canon · Infinix-i Core

Design Compact floor-mounted single plane design
Detector 20 x 20 cm or 30 x 30 cm Flat Panel Detector
DQE 77 %
Power 100 kW

Highlights
Cardiovascular intervention demands speed, precision, and optimum performance. The compact Infinix-i Core is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, advanced efficiency and improved workflow.

Canon · Infinix-i Core+

Design Left and right side operation without table movement
Detector 20 x 20 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Cardio intervention demands speed, precision, and optimum performance. The flexible Infinix-i Core+ is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, advanced efficiency and improved workflow.

Canon · Infinix-i Core+

Design Left and right side operation without table movement
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The flexible Infinix-i Core+ is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.

Canon · Infinix-i Dual Plane

Design Dual Plane cardiac and vascular system in single room
Detector 20 x 20 cm and 30 x 40 cm flat panel detectors
DQE 77 %
Power 100 kW

Highlights
- A single room X-ray solution with two C-arms both with dedicated imaging chains for interventional cardiac and angiography procedures that share a common generator, table, monitors and digital acquisition system. Designed for both diagnostic and interventional examinations.
- Space, time and dose saving technology are key design elements of the Infinix-i Dual Plane.

GE Healthcare · Discovery IGS 7

DQE 84 %
Detector a-Si / CsI
Size 31 x 31 or 41 x 41 cm

Highlights
- Laser-guided system
- Multiple parking and back-out positions
- Large field of view for big anatomies coverage
- Latest 3D Advanced Applications
- Wide Bore 3D for easier 3D acquisition
- Arm trajectories for Interventional Radiologist
- High detector DQE
- AutoEx: Dynamic exposure optimization
- Integreated large display monitor
- Functionalities integration at tableside

GE Healthcare · Discovery IGS 7 OR

DQE 84 %
Detector a-Si / CsI
Size 31 x 31 or 41 x 41 cm

Highlights
- Laser-guided system
- Multiple parking and back-out positions
- Optimal detector size for hybrid procedures
- Latest 3D Advanced applications
- Wide Bore 3D for easier 3D acquisition
- Integrated Magnus OR Table (Maquet)
- High detector DQE
- AutoEx:Dynamic exposure optimization
- Integrated large display monitor
- Functionalities integration at tableside

GE Healthcare · Innova IGS 540

DQE 77 %
Detector 2 k a-Si
Size 41 x 41 cm

Highlights
- Large imaging Field of View
- High detector DQE and AutoEx for dose optimization
- Latest 3D-guiding solutions
- Integrated large display monitor
- Functionalities integration at tableside

GE Healthcare · Innova IGS 530

DQE 77 %
Detector 1.5 k a-Si
Size 30 x 30 cm

Highlights
- Optimal detector size for combo procedures
- Fast gantry with patient contouring system
- High detector DQE and AutoEx for dose optimization
- Integrated large display monitor
- Functionalities integration at tableside

GE Healthcare · Innova IGS 520

DQE 79 %
Detector 1 k a-Si
Size 20 x 20 cm

Highlights
- Optimal detector size for cardiac interventions
- A set of advanced clinical tools to help Plan, Guide, Assess complex procedures
- Fast gantry with patient contouring system
- High detector DQE and AutoEx for dose optimization
- Integrated large display monitor
- Easy accessibility to functions at table side

SINGLE PLANE

GE Healthcare · Optima IGS 330

DQE 77 %
Detector 1.5 k a-Si
Field of View 31 x 31 cm

Highlights
- Optimal detector size for general combo procedures
- A set of clinical tools including 3D imaging capabilities to meet the needs of a wide range of interventional cardiology & interventional radiology procedures

GE Healthcare · Optima IGS 320

DQE 79 %
Field of View 20 x 20 cm
Detector 1 k a-Si

Highlights
- Optimal detector size for general cardiology and electrophysiology procedures
- A set of visualization and quantitative analysis tools dedicated to cardiologists needs
- Low frame rate to minimize dose even further for electrophysiology procedures

INTERMEDICAL · RADIUS XP 100 CARDIO – CEILING SUSPENDED

Power 100 kW
Detector Digital Flat Panel Detector 30 x 30 and 20 x 20 cm
II format Availbale also with Image Intensifier 9" and 13"

Highlights
The new solution for the market demand: higher features at a lower price! Excellent manouvrability with a slim-line design.
- Up to 1,000 mA, 100 kW power
- Liquid cooled X-ray tube
- Suspended LCD screens
- Control room screens
- E-motion remote control (all C-arm movements are motorized)
- Modular software configurations suitable for all range of applications

INTERMEDICAL · RADIUS XP 100 CARDIO – FLOOR BASED

Power 100 kW
Detector Digital Flat Panel Detector 30 x 30 and 20 x 20 cm
II format Availbale also with Image Intensifier 9" and 13"

Highlights
The new solution for the market demand: higher features at a lower price! Excellent manouvrability with a slim-line design.
- Up to 1,000 mA, 100 kW power
- Liquid cooled X-ray tube
- Suspended LCD screens
- Control room screens
- E-motion remote control (all C-arm movements are motorized)
- Modular software configurations suitable for all range of applications

Shimadzu · Trinias C16 / C12 / C8 unity edition

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 16 x 12"(40 x 30 cm) / 12 x 12" (30 x 30 cm)
8 x 8" (20 x 20 cm)

Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Comprehensive dose management technology
- Flex-APS
- SCORE RSM – motion-tolerant DSA
- SCORE StentView
- SCORE Chase
- SCORE CT / 3D / Navi
- SMART Table with advanced tilting functions
- SMART Design concept

Shimadzu · Trinias F12/F8 unity edition

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 12 x 12" (30 x 30 cm) / 8 x 8" (20 x 20 cm)

Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Comprehensive dose management technology
- Flex-APS
- SCORE RSM – motion-tolerant DSA
- SCORE StentView
- SCORE Chase
- SCORE CT / 3D / Navi
- SMART Table with advanced tilting functions
- SMART Design concept

Shimadzu · Trinias C12 unity hybrid edition

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size a-Si, 12 x 12" (30 x 30 cm)

Highlights
- High sensitive detector technology for outstanding image quality
- SCORE PRO Advance: real-time image enhancement processing technology
- High-speed C-arm to perform 3D examinations
- Interdisciplinary applications: SCORE RSM, SCORE 3D, SCORE CT, SCORE Navi+Plus, Flex-APS
- High flexible OR table provides an optimum radiographic area featuring a whole-body coverage

Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
The Artis floor-mounted system enables clinicians to care with greater ease, precision and flexibility for small rooms.
- Small footprint of 29 qm²
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
The Artis ceiling-mounted system enables clinicians to care with greater ease, precision and flexibility.
- Positioning flexibility that supports any angle
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

Siemens Healthineers · Artis pheno

Power 100 kW
Detector zen40HDR, hi-res cristalline silicon / CsI, 30x40 (2,496 x 1,856 pixels), 160 µm

Highlights
Artis pheno delivers the right images for preprocedural planning, intraoperative guidance, and immediate assessment – no matter which patient or procedure
- Optimal treatment of any patient virtually regardless of patient size, condition, or positioning needs
- Lower complication rates and improved outcomes even in most complex procedures
- Designed to support infection control measures to maintain highest standards for infection control

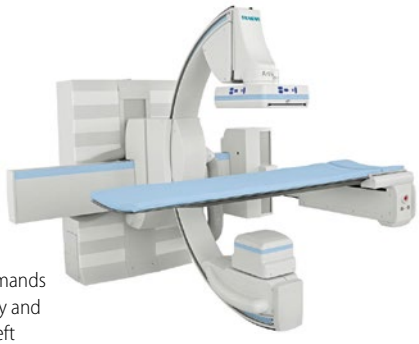
Siemens Healthineers · Artis one

Power 100 kW
Detector as30, a-Si / CsI, (1,560 x 1,420 pixels), 184 µm

Highlights
Intelligent operation is enhanced by a configurable head up display, allowing you to interact with the system in a completely new, intuitive way.
- Small footprint of 25 qm²
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- Full patient coverage imaging up to 2.10 m
- Integrated 3D-Imaging and review with acquisition rate up to 66 f / s

Siemens Healthineers · Artis zee

Power 100 kW
Detector a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm



Highlights
Artis zee multi-purpose is designed to meet the demands of interventional radiology and fluoroscopy. The system left suspension meets the needs of endoscopic applications in gastroenterology
- Ergonomic system controls for smooth table-side operation
- 2k imaging with highly practical and user-friendly handling features
- 3D acquisition rate up to 75 f / s

SURGICAL FLAT PANEL C-ARMS

GE Healthcare · OEC Elite MiniView

Power 12 kW
FPD format 13 x 13 cm
Resolution 1.3 k x 1.3 k
Field of View 15 cm / 13 cm

Highlights
- Detector with CMOS Technology for low Dose and high Image Quality
- Easy to position
- Imaging with high resolution, no pixelbinning
- One Hand control with smart lock
- Wireless Footswitch (option)
- Two high res Monitors, live and reference Image with same size and resolution

GE Healthcare · OEC Elite CFD Ergo-C

Power 15 kW
FPD format 21 x 21 cm or 31 x 31 cm
Resolution 1.5 k x 1.5 k
Field of View 21 cm / 15 cm / 11 cm or 31 cm / 21 cm / 15 cm

Highlights
- CMOS Detector with 1.5 x 1.5k Resolution
- 4k UHD Monitor with articulating Arm
- Continous Fluoro and pulsed Fluoro
- AutoTrak and AutoSmartMetal
- Vascular functionality with Motion Tolerant Subtraction
- Ergonomic C-Arm for easy and flexible Positioning

GE Healthcare · OEC Elite CFD Super-C

Power 15 kW
FPD format 21 x 21 cm or 31 x 31 cm
Resolution 1.3 k x 1.3 k
Field of View 21 cm / 15 cm / 11 cm or 31 cm / 21 cm / 15 cm

Highlights
- CMOS Detector with 1.5 x 1.5k Resolution
- 4k UHD Monitor with articulating Arm
- Continous Fluoro and pulsed Fluoro
- AutoTrak and AutoSmartMetal
- Vascular functionality with Motion Tolerant Subtraction
- Advanced Cooling System
- Super-C with high Depth in arc

GMM · SYMBOL – Mobile C-arm system with DFPD

Size 26 x 30 cm
Resolution 184 µm
Detector Amorphous silicon

Highlights
- State-of-the-art flat panel technology for outstanding performances and superior image quality for any imaging activity in operating room.
- General and vascular surgery, neurosurgery, cardiology, gastroenterology, urology.
- Easy patient positioning thanks to the wide C-arm opening.
- Exclusive user interface with LCD touch screen display ensuring complete management of the operating parameters.

Hologic · Fluoroscan InSight FD Mini C-Arm Imaging System

Highlights
The compact unit now features a redesigned monitor arm and rail for easy transportation and reduced OR workspace interference.
- High Resolution, Imaging Mode Option to utilize full detector resolution.
- Low Dose Rate Mode -Option to reduce dose rates by over 50 % compared to auto mode, while still providing clinically equivalent images
- Compact redesigned Monitor Arm and integrated keyboard

INTERMEDICAL · "NEW" RADIUS XP WITH FLAT PANEL

Pixel size 1,536 x 1,536 pixels (with FP 30 x 30)
Detector Digital Flat Panel Detector 30 x 30 and 20 x 20 cm
Power 30 kW

Highlights
- Large Power reserve of 30 kW
- Boost up to 200 mA
- Excellent 1,536 x 1,536 pixels image quality
- Max. 30 frames sec
- Touch Screen Panel PC directly on C-Arm with live image preview
- E-motion: all C-arm movements can be motorized
- New Dual Cooling System for Housing and Generator
- Dual Power System: power reserve system
- Wireless pedal as option

Medtronic · O-arm System

Power 32 kW
Detector Digital flat panel detector 30 x 40 cm

Highlights

New system – Designed for surgery
- 13s true 360° 3D scan – Fully mobile
- Flexible intra-operative 2D- and 3D-imaging
- Large 2D-image size and large 3D scan volume up to 40 cm width
- Seamless integration in OR workflow
- Easy in use: All motions motorized, simple control panel
- Position memory remembers four scan positions
- Easy draping of the breakable gantry
- Seamless integrating with Stealth-Station Navigation

PRIMAX International · CYBERBLOC FP

Power Up to 15 kW
Detector New Flat Panel Generation 30 x 30 cm / 21 x 21 cm
Design Chassis of light aluminum alloy for easy positioning

Highlights
- Large C-arm depth for maximum accessibility
- High sensitivity --> low dose operation
- Smart power management to handle long procedures
- Full touch "smart" user interface
- View station with angle and height adjustments
- Removable grid for paediatric applications
- Image free of any distortion

Siemens Healthineers · Cios Fusion

Power 2.3 kW
Detector 20 x 20 cm or optional 30 x 30 cm

Highlights

Fuse surgical versatility with Full View FD
- 160 % more to see* – with Full View FD
- Save time – with advanced table-side control (option)
- Drive surgical revenue – with innovative technology

** Compared to today's conventional 33 cm image intensifiers*

Siemens Healthineers · Cios Alpha

Power 12 kW or optional 25 kW
Detector 20 x 20 cm or optional 30 x 30 cm

Highlights

See the power with Full View FD
- Up to 25 % more coverage* even during image rotation – with Full View FD
- See and do more – with a powerful 25 kW mobile C-arm
- Effortless operability – full table-side control and single-touch positioning (option)

** Compared to today's conventional 33 cm image intensifiers*

Siemens Healthineers · Cios Spin

Power 12 kW or optional 25 kW
Detector 30 x 30 cm CMOS

Highlights
- More certainty in demanding cases with precise intraoperative quality control based on 3D technology
- More efficiency in intraoperative 3D with Easy 3D package
- More cost-effectiveness in surgery through intraoperative corrections based on 3D images

Cios Spin is currently under development; is not for sale in the U.S. Its future availability cannot be guaranteed

STEPHANIX · OMNISCOP DReam

System concept Touch User interface and live fluoro image display
Power 5 kW / 15 kW
Detector High sensitivity 21 x 21 cm / 30 x 30 cm

Highlights
- Orthopaedic, head, spine, thorax, abdomen, vascular, cardiac
- Large C-arm depth and wide orbital rotation
- Adjustable height & angle of medical displays
- Dynamic FPD with high DQE and MTF
- Removable grid
- Advanced functions : APR, post-processings, DSA
- DICOM connectivity

SURGICAL FLAT PANEL C-ARMS

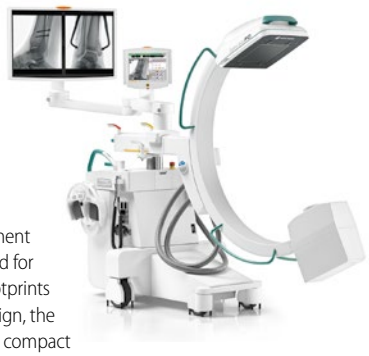
Technix · TCA7

Power 15 kW TCA7 R FPD
II format 21 x 21 cm

Highlights
- Orthopedics, spine, abdomen, vascular
- Rotating anode, water cooled for long procedures
- Large C-arm and wide orbital rotation permits easy patient positioning
- Intuitive Touchscreen user interface with image preview
- Up to 125.000 image storage capacity
- Removable grid and motorized filters for pediatric application
- CD / DVD and USB for image exporting
- Full DICOM connectivity

Ziehm · Solo FD

Power 2.4 kW
Detector CMOS: 20 x 20 cm / 2.048 x 2.048 / 100 µm



Highlights
The size of hospital and surgery center ORs decreases and equipment quantity rises. Further the demand for imaging systems with smaller footprints is growing. With its all-in-one design, the Ziehm Solo FD is one of the most compact C-arms for even the smallest treatment scenarios on the market. Ziehm Solo FD is equipped with the latest flat-panel technology called CMOS – to perform a broad portfolio of applications like Orthopedics, Trauma and Pain Management.

Ziehm · Vision FD

Power 2.4 kW
Detector CMOS 20,5 x 20,5 cm / 2.048 x 2.048 / 100 µm

Highlights
Hospitals and out-patient surgery centers around the world are challenged to increase cost efficiency and extend their case mix to include demanding procedures such as vascular interventions. The Ziehm Vision FD is the right answer. The C-arm with flat-panel detector has proven itself in the market for over ten years. Now, in the upgraded version, it features the latest CMOS technology for excellent image quality and – thanks to its liquid cooling system – is designed for continuous use.

Ziehm · Vision RFD

Power 25 kW
Detector CMOS 20,5 x 20,5 cm / 2.048 x 2.048 / 100 µm
CMOS 31 x 31 cm / 3.072 x 3.072 / 100 µm
a-Si 30 x 30 cm / 1.536 x 1.536 / 194 µm
a-Si 20 x 20 cm / 1.024 x 1.024 / 194 µm

Highlights
The treatment of cardio-vascular and degener-ative musculoskeletal conditions calls for high-performance intra-operative imaging technologies. Incorporating the latest CMOS technology for excellent image quality, the Ziehm Vision RFD is the ideal product. In addition to the cardiovascular-focused 20.5 cm x 20.5 cm flat-panel version, the Ziehm Vision RFD is available with a 31 cm x 31 cm CMOS flat-panel detector.

Ziehm · Ziehm Vision RFD Hybrid Edition

Power 25 kW
Detector CMOS 31 x 31 cm / 3.072 x 3.072 / 100 µm
CMOS 20,5 x 20,5 cm / 2.048 x 2.048 / 100 µm
a-Si 30 x 30 cm / 1.536 x 1.536 / 194 µm
a-Si 20 x 20 cm / 1.024 x 1.024 / 194 µm

Highlights
An aging population is creating an increasing demand for cardio-vascular surgery. The Ziehm Vision RFD Hybrid Edition1 is a powerful 25 kW mobile C-arm that comes with CMOS technology for even better image quality in challenging procedures such as these.
By taking OR flexibility and clinical capabilities to the next level, the Ziehm Vision RFD Hybrid Edition is a valuable contribution to any clinic's competitiveness and financial performance. Requiring zero modifications to existing ORs, this mobile, feature-rich hybrid solution is ready to go – anytime, anywhere.

Ziehm · Vision RFD 3D

Power 25 kW
Detector CMOS 31 x 31 cm / 3.072 x 3.072 / 100 µm
a-Si 30 x 30 cm / 1.536 x 1.536 / 194 µm

Highlights
Healthcare providers are challenged to cut costs, meet the needs of an aging demographic, improve the accuracy of clinical outcomes and reduce X-ray exposure during surgical procedures.
The answer – led by the Ziehm Vision RFD 3D – lies in balancing cost efficiency with improved patient care, shorter hospital stays and less-invasive approaches. This groundbreaking mobile 3D C-arm helps to improve surgical outcomes and patient satisfaction while optimizing costs.

SURGICAL II-C-ARMS

DMS Imaging · EVO+ / EVO R+/ EVO R+ 15

Power Up to 15 kW
II format 9" or 12"
Resolution 1,024 x 1,024 pixels

Highlights
- The range EVO, C-arm units include a microprocessor controlled high frequency generator and a fixed anode tube for EVO+ version and a rotating anode tube for EVO-R+
- Both systems have "Digital memory systems" and "Digital subtraction angiography" (DSA) and have been conceived for a large range of applications, including traumatology, endoscopy, intensive care and interventional procedures.

GE Healthcare · OEC Brivo Plus

Power 2.2 kW
II format 9" or 23 cm
Resolution 1 k x 1 k
Field of View 11 cm / 15 cm or 23 cm

Highlights
- 1 k x 1 k high resolution from a fully digital image processing system
- 9" Image Intensifier with high spatial resolution
- Brilliant radiation safety features
- Carbon fiber grid
- Available Pediatric package
- Intuitive user interface with touch screen
- Advanced connectivity including wireless DICOM, MPPS and DVI options
- Data protection including a UPS

GE Healthcare · OEC FluoroStar 7900

Power 2.2 kW
II format 9" or 23 cm
Resolution 1 k x 1 k
Field of View 11 cm / 15 cm and 23 cm

Highlights
- Imaging excellence for confidence in surgery
- Touch screen interface for simplicity and ease of use
- Sleek, high-quality flat panel display
- CD / DVD recording device with PC-based operation
- USB port for plug-and-play image storage
- Available as a Compact configuration with 1 or 2 monitors or with optional monitor cart (Compact2, Compact+ and Series
- Integrated WLAN interface (option)

GE Healthcare · OEC One

Power 2.2 kW
II format 9" (23 cm)
Resolution 1 k x 1 k
Field of View 23 cm / 16 cm / 12 cm

Highlights
- I.I. Technology with 1kx1k Camera
- HD Monitor with articulating Arm with wide Range of Movement
- TechView Tablet Monitor
- ADRO, AutoTrak and SmartMetal
- Low height at lateral Positioning

GMM · SYMBOL – Mobile C-arm unit with Image Intensifier

Design Mobile C-arm unit
II format 9" / 12" / 13"

Highlights
- Innovatory mobile C-arm unit for outstanding performances and superior image quality in surgical imaging application.
- Provided with High Frequency generator and ample C-arm allowing wide and extended mouvements.
- Outstanding flexibility and precision in any type of projection are ensured also by 146° orbital mouvement with 56° overscan.
- 9" to 13" triple field Image Intensifier, 1K CCD

INTERMEDICAL · "NEW" RADIUS XP

Power 30 kW
II format 9" and 13"
Resolution 6.5 Lp / mm (9"); 6 Lp / mm (13")

Highlights
- Large Power reserve of 30 kW
- Excellent 1 k x 1 k image quality
- Boost up to 200 mA
- Max. 30 frames / sec. image
- Touch Screen Panel PC directly on C-arm with live image preview
- E-motion: all C-arm movements can be motorized
- New Dual Cooling System for Housing and Generator
- Dual Power System: power reserve system
- Wireless pedal as option

SURGICAL II-C-ARMS

INTERMEDICAL · "NEW" RADIUS

Power 3,5 / 5 kW
II format 9" and 12" 1k x 1k CCD

Highlights
- High resolution camera for fixed or rotating anode
- Touchscreen user interface
- High configuration cart with two 19" medical monitors
- Up to 110.000 image storage capacity
- Remote control
- Laser for patient centering
- CD / DVD and USB for image exporting
- Full DICOM connectivity

Shimadzu · Opescope Acteno

Resolution CCD-Sensor, 1,024 x 1,024 x 12 bit
II format 23 or 15 cm
Power 2 kW

Highlights
- High quality imaging
- Easy operation through fully balanced C-arm
- Magnetic locks and all-free buttons
- Memory functions support an efficient workflow
- Inside C-arm cabling
- Flexible upgradeability

Siemens Healthineers · Cios Select

Power 2.5 kW
II format 23 cm

Highlights
Select smart surgical imaging
- 99.8 % system availability* – reliability in a smart, lean design
- Smart system operation – with an intuitive user interface
- High image quality – combined with IDEAL dose management

** Average system availability over the entire Siemens C-arm installed base*

Siemens Healthineers · Cios Connect

Power 2.3 kW
II format 23 cm

Highlights
Connect everyday surgery with reliability
- Simplify your fleet management – with a multifunctional C-arm
- Optimally balance image quality and dose – with IDEAL
- Increase asset utilization – with preventive maintenance and high system availability

Siemens Healthineers · Arcadis Orbic 3D

Power 2.3 kW
II format 23 cm

Highlights
- Less revisions – with high quality intraoperative 3D imaging from a full 190° rotating scan
- Save prep and scan time – with truly isocentric design and intuitive 3D user guidance
- Seamless integration with 3D Navigation – through fully digital NaviLink (Option) with major vendors

STEPHANIX · OMNISCOP Series

Design Mobile surgical C-arm
Power Up to 15 kW
II format 9" / 12"

Highlights
- Surgery, traumatology, orthopedics, vascular…
- Wide range of movements, large orbital rotation, small footprint
- High resolution CCD camera coupled with Thales Image Intensifier
- Collimator with motorised and rotating iris, continuously adjustable
- Touch screen user interface
- Post-processing software highlight tiny details
- Advanced functions: APR, DSA, DICOM connectivity

Technix · TCA7 Compact

Power 3,5 kW TCA 7 S / 5 kW TCA 7 R
II format 9"– 12" 1k x 1k CCD

Highlights
- Pain management, orthopedics, urology, lithotripsy general surgery
- High resolution camera for fixed or rotating anode
- All in one compact and light-weight unit equipped with an on-board 24" medical touch monitor
- Small footprint for small operating rooms
- Intuitive Touchscreen user interface with image preview
- Up to 110.000 image storage capacity
- Motorized filters for pediatric application
- CD/DVD and USB for image exporting
- Full DICOM connectivity

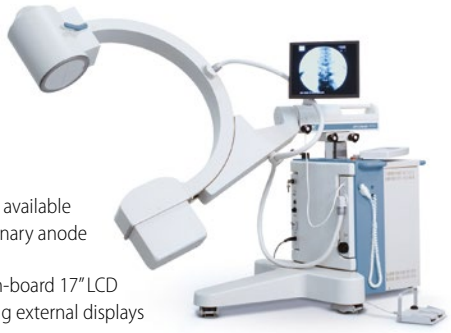
VILLA SISTEMI MEDICALI · Arcovis 3000 S / R

Power 3.5 kW (fixed anode) / up to 15 kW (rotating anode)
II format 9" / 12"
Resolution 48 / 56 / 64 Lp / cm (9" I. I.); 48 / 54 / 62 Lp / cm (12" I. I.)

Highlights
- Application in urology, cardiology, ortho-pedics and general surgery
- Choice between fixed anode (3000 S) or rotating anode (3000 R) versions
- Choice between either 9" I. I. (with stationary or rotating anode) or 12" I. I. (with rotating anode)
- Choice of 0.5 x 0.5 k or 1 x 1 k camera and several image storage options to satisfy all applications
- Premium version with 15 kW power, 9" or 12" I.I., 1 x 1k camera

VILLA SISTEMI MEDICALI · Arcovis 3000 S Compact

Power 3.5 kW
II format 9"
Resolution 48 / 56 / 64 Lp / cm



Highlights
- Compact C-arm unit available with 9" I. I. and stationary anode tube
- Equipped with an on-board 17" LCD monitor, not requiring external displays on trolley
- Last Image Hold and storage system based on non-volatile technology
- ± 60° rotating control panel for immediate operation even in the most difficult environment

Ziehm · Solo

Power 2 kW
II format 23 cm
Resolution 23 cm – 52 Lp / cm · 15 cm – 58 Lp / cm
10 cm – 68 Lp / cm

Highlights
Ziehm Solo is the first choice for small operating rooms. The single unit comprises a compact and versatile C-arm, full-size monitor and intuitive touchscreen user interface. All functions required for an optimal image acquisition, processing and archiving are integrated in the C-arm. Ziehm Solo delivers optimal perfor-mance for pain management, orthopedics and lithotripsy.

Ziehm · Vision

Power 2 kW
II format 23 / 31 cm
Resolution (23 cm II) 23 cm – 52 Lp / cm · 15 cm – 58 Lp / cm
10 cm – 68 Lp / cm
(31 cm II) 31 cm – 44 Lp / cm · 23 cm – 50 Lp / cm
15 cm – 56 Lp / cm

Highlights
Ziehm Vision delivers high-quality imaging with low dose exposure on a footprint of just 0.8 m^2. It features a compact C-arm and monitor cart with an intuitive touchscreen user interface as well as two 19" flatscreen monitors. It has a high-resolution CCD camera that detects over 4,000 shades of gray. The monoblock generator's unique liquid cooling system (Advanced Active Cooling) is specially designed for extended use in operating theaters, making the Ziehm Vision ideal for a wide range of clinical applications such as general surgery, orthopedics and traumatology.

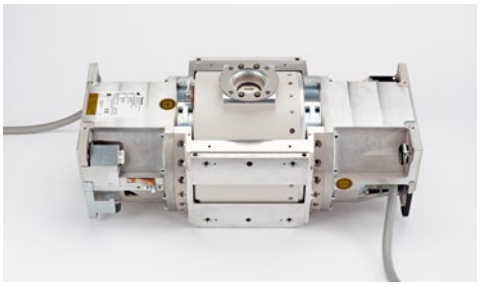
Ziehm · Vision R

Power 7,5 / 20 kW
II format 23 / 31 cm
Resolution (23 cm II) 23 cm – 52 Lp / cm · 15 cm – 58 Lp / cm
10 cm – 68 Lp / cm
(31 cm II) 31 cm – 44 Lp / cm · 23 cm – 50 Lp / cm
15 cm – 56 Lp / cm

Highlights
Ziehm Vision R is the perfect choice for demanding proce-dures in neurosurgery, vascular procedures and cardiac appli-cations. The powerful monob-lock generator with rotating anode delivers up to 20 kW power, enabling Ziehm Vision R to produce high-quality images with minimal dose exposure. This high-frequency pulse generator operates with a variable pulse width between 4 ms and 40 ms.

ACCESSORIES / COMPLEMENTARY SYSTEMS

Dunlee · Solutions for Cardio / Vascular Imaging



Highlights

Based on the most successful Cardio / Vascular X-ray imaging chain Dunlee provides a variety of X-Segments at different power levels:

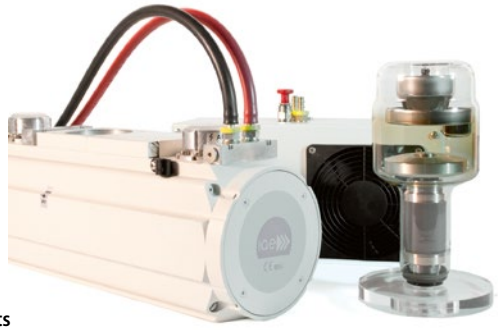
- Consisting of an X-ray tube, generator, cooling unit and HV connections
- Ideally suited for high performance interventional system
- Excellent image quality at low dose
- Outstanding reliability
- Advanced serviceability

GCTechnology · CIRS Phantoms

Highlights

- Multi modality abdominal biopsy phantom (for CT, US, MRI)
- Multi modality lumbar training phantom
- Biopsy breast phantom
- Thyroid training phantom
- Prostate training phantoms family
- Kidney training Phantom
- Vascular Access Training Phantom

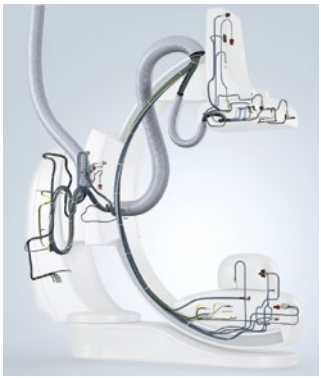
I.A.E. · C30-RTM 70



Highlights

- Rotating anode X-Ray tube unit designed for mobile c-arm equipment
- Lead lined single piece aluminium body, internal pump for oil circulation, to improve thermal exchange
- Choice of HT cable socket: Parker or Claymount mini
- Optional remote water-air heat exchanger increases heat dissipation to 500W continuous for demanding interventional applications
- Water cooling can be mounted or upgraded on field

LEONI · Cable Systems



Highlights

LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for X-ray devices and can collaborate in the development phase. As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

Toshiba Electron Tubes & Devices · X-ray Image Intensifier

Detector	Xray Image Intensifier
Size	Field size 9 inch, 9 / 6 / 4.5 inch
Size	Output image size Ø 20mm , Ø 25mm
Design	For C-Arm

Highlights

- Suitable for mobile C-arms
- Smart design with smooth surfaces
- Excellent performance and high reliability
- Advanced simulation technologies used in development and production
- Our unique technologies provide a high Gx value, reducing radiation exposure to the patient.
- Environmentally friendly
- Compliant with the RoHS directive
- Free from hazardous substances such as hexavalent chromium and cadmium

Toshiba Electron Tubes & Devices · Angio Tube assembly

Power	2.1-MHU to 3-MHU (Anode Heat Capacity)
Power	80 kW – 100 kW

Highlights

- For angiography systems (2.1-MHU to 3-MHU)
- Uses a liquid metal bearing
- Our unique liquid metal bearing technology provides a long tube life, quiet operation, continuous high-speed rotation, high stability, and excellent reliability.

IT Systems

RIS / PACS

Business Intelligence

Portal Solution

CAD

Mammo Workstation

Mobile RIS / PACS Viewer

Dose Management Systems

Accessories / Complementary Systems

AGFA HealthCare

Canon

CHILI Einfach überzeugend

GE Healthcare

HOLOGIC The Science of Sure

IMAGE Information Systems

itz-medi.com PACS & Telemedizin

Guerbet Contrast for Life

i-SOLUTIONS HEALTH

bender gruppe medigration

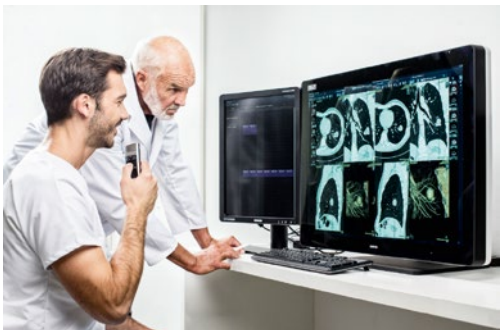
mos Medical of Science and Technology

PROTEC TEAM | SPIRIT | ABILITY

SIEMENS Healthineers

RIS / PACS

Agfa · Enterprise Imaging Radiology Suite



Highlights

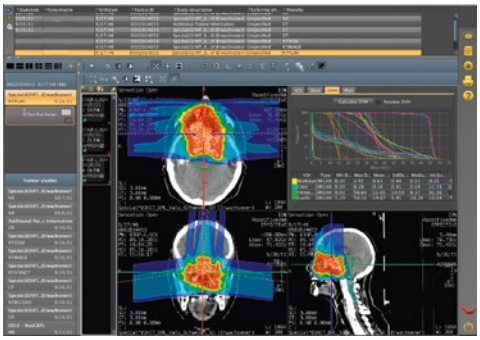
Agfa HealthCare Enterprise Imaging for Radiology is a unified imaging management platform that provides PACS, reporting, advanced image processing capabilities and integration of clinical information. The solution offers diagnostic tools and powerful task-based workflow, designed to achieve gains in clinical productivity.

Agfa · Enterprise Imaging VNA

Highlights

A robust solution for enterprise archiving of DICOM and non-DICOM data. As part of the Enterprise Imaging solution, the VNA consolidates all your imaging data, from multiple systems, departments, facilities and vendors, into a central clinical data foundation.Your data ownership, migration and storage costs are reduced, while management is simplified

CHILI · Diagnost



Highlights

- Independent of modality
- CT, MR, CR, DR, PET, PET-CT, US, AX, …
- Mammography
- Radio therapy
- Powerful hanging protocols
- Independent of OS
- Integrated teleradiology
- Extensible by other applications
- HIS / RIS integration
- Consultation functionalities
- Teleconferencing

CHILI · Import PACS

Highlights

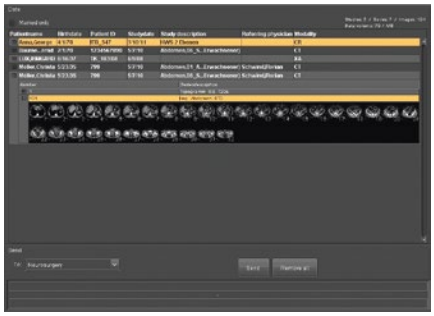
- PACS for foreign data from CD / teleradiology
- Temporary archive in addition to regular PACS
- Manual web-based import
- Automatic import with import robotic
- Web-based viewer
- Data reconciliation with own IDs
- Delivery to regular PACS
- Adjustable automatic data removal
- DICOM Q / R capable
- Works with any other PACS

CHILI · PACS

Highlights

- Multimedia PACS
- One viewer for all areas
- Scalable (practice to enterprise)
- Multitenancy
- Fail over and load balancing
- Archiving in existing systems
- Interfaces and synchronisation with HIS / RIS
- Web-based image distribution
- Referring physician access
- Teleconferencing
- Consultation
- Portal functionality

CHILI · Teleradiology Gateway



Highlights

- Vendor-independent protocols
- DICOM, DICOM-E-Mail, https,
- Rule-based autorouting
- Automatic recovery after interruption
- Comprehensive security measures
- Lossy and lossless compression
- Data encryption
- Audit trails
- Diagnostic web-viewer
- Web-based administration
- Compliant to German RöV and DIN 6868-159
- Works with any PACS

CHILI · Web

Highlights

- Multi-media (DICOM, jpeg, avi, PDF, …)
- Very well suited for teleradiology
- Referring physician access
- Java technology
- User concept with roles and rights
- Central user administration (LDAP, AD)
- Security measures
- Data compression (lossy & lossless)
- Suited for reporting (MPG class IIb)
- Works with any PACS

GE Healthcare · Centricity Clinical Archive Solution

Highlights

Centricity Clinical Archive (CCA) is an open architecture vendor-neutral archive (VNA) solution that unifies and intelligently manages patient data, clinical images and enterprise content. Built on IHE – XDS and DICOM-compliant industry standards, Centricity Clinical Archive enables seamless connectivity among disparate systems across multiple archive systems, specialties and facilities. A diagnostic Zero Footprint Viewer allows access to any clinical patient information.

GE Healthcare · Centricity Universal Viewer

Highlights

- 3D post-processing, breast imaging tools and enterprise-wide access on a single desktop
- Featuring a single image repository across 2D and 3D studies, Centricity Universal Viewer intuitively brings together the tools needed by radiologists, cardiologists and other clinicians to provide enterprise-wide access on a single desktop

IMAGE Information Systems · iQ-SYSTEM PACS

Highlights

iQ-SYSTEM PACS is an easily configurable, highly scalable picture archiving and communication system. It is installed in more than 5,000 facilities ranging from small, individual, imaging centers to large multi-modality, multi-site hospital installations across 113 countries. It is full-featured, state-of-the-art, robust and reliable, and available in most major world languages.

IMAGE Information Systems · iQ-RIS

Highlights

iQ-RIS is a flexible, modular and highly customizable radiology information system, which can easily be customized to meet the needs of any hospital or imaging center. It manages the workflow by a seamless integration with any PACS and HIS or EMR for scheduling and reporting. From appointment scheduling to billing – iQ-RIS ensures a smooth, convenient and uninterrupted workflow.

IMAGE Information Systems · iQ-VIEW

Highlights

iQ-VIEW is the vendor neutral easy-to-use multimodality reading station that has been designed by radiologists for imaging specialists. A unique previous study management using artificial intelligence accelerates the diagnostic process by automatically presenting relevant previous studies of any modalities. iQ-VIEW PRO automatically merges different patient identities from any PACS.

Adding value with AI in medical imaging

by Martin Lindner

In the next five to 10 years, artificial intelligence is likely to fundamentally transform diagnostic imaging. This will by no means replace radiologists, but rather help to meet the rising demand for imaging examinations, prevent diagnostic errors, and enable sustained productivity increases.

Imaging in the age of AI

In recent years, artificial intelligence (AI) gained entry into everyday life in various ways, from language recognition tools on smartphones to the analysis of financial transactions, to algorithms for self-driving cars, or for playing the strategic board game Go.[1] Medical imaging, too, is likely to undergo a fundamental transformation in the near future. "It is easy to predict that AI will be increasingly implemented in medical imaging systems," Italian doctor Francesco Sardanelli commented in an editorial feature on dominant trends in radiology.[2] Similarly, according to a recent poll, over 50 percent of global healthcare leaders expect the role of AI in monitoring and diagnosis to expand.[3]

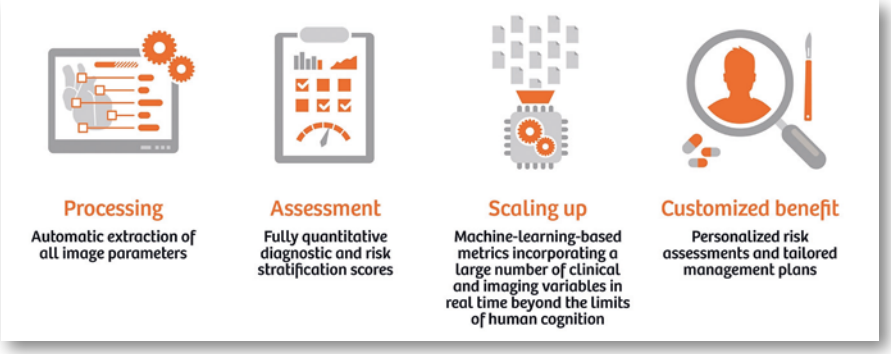
Although the use of AI is already common practice in some aspects of the field of imaging, market analysis foresees a further boom over the next five to ten years.[4] Newer AI methods, such as "deep learning," could pave the way for quantitative, standardized, yet also personalized imaging, while helping to prevent diagnostic errors and, at the same time, enabling sustained productivity increases. Radiologist Keith Dreyer of Harvard Medical School emphasized at an expert meeting in the US that "Meaningful AI will improve quality, efficiency, and outcomes."[5]

Challenges for a transforming discipline

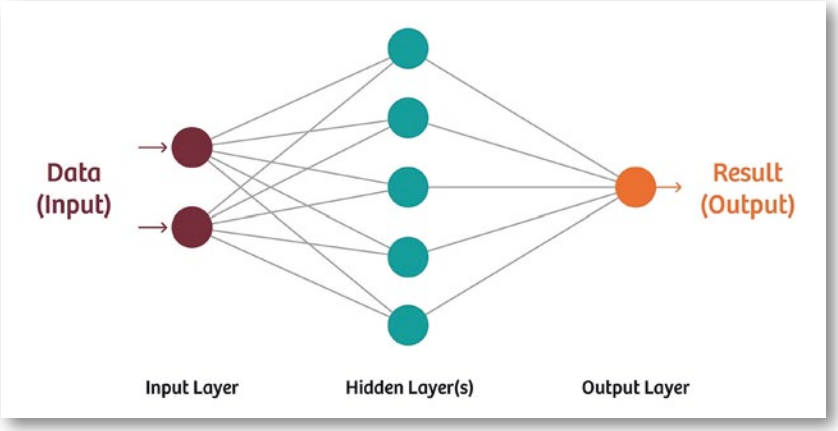
There are several factors simultaneously driving integration of AI in radiology. First, in many countries around the world there is a shortage of doctors trained in radiology, considering the rising demand for diagnostic imaging. This leads to greater demands for work efficiency and productivity. For example, the radiology consultant workforce in England went up five percent between 2012 and 2015, while in the same period the number of CT and MR scans increased by 29 and 26 percentage points respectively.[6] Today, the average radiologist interprets an image every three to four seconds, eight hours a day.[7]

Second, the image resolution of today's scanners is continuously improving – resulting in an ever greater volume of data. Indeed, the estimated overall medical data volume doubles every three years. There is high future potential in the transformation of radiology from qualitative interpretations to a quantitative discipline, deriving clinically relevant information from extensive data sets ("radiomics"). "Images are more than pictures, they are data," state American radiologist Robert Gillies and his colleagues.[8] However, this transformation will require automated procedures, at least some of which will come under the field of AI.

Not least, diagnostic errors are an unresolved problem. Studies show that erroneous interpretations occur in about four percent of all radiology diagnoses, with the error rate varying individually



The likely use of AI in the near future: The case of cardiac imaging
(adapted from Slomka et al. 2017)



Simplified Structure of an Artificial Neural Network (ANN).

and depending heavily on the procedure.[9] Moreover, overlooked pathological findings lead not only to worse patient outcomes, but also to missed billing opportunities. Indeed, AI could help to overcome these challenges, proving an indispensable aid for efficient, data-based, and less-error-prone diagnostics. The astonishing advances in the field justify this optimism.

Making AI a clinical routine

The use of AI in medical imaging is not new – algorithms today are, however, much more powerful than traditional applications.[10] Unlike previous AI methods, first introduced in the US in the late 1990s – particularly mammography screening with its many shortcomings – today's technologies will likely prove to be transformative.

In particular, "deep learning" – an innovative machine learning approach – is a powerful tool for analyzing imaging data.[11] Deep learning rests upon computer programs known as artificial neural networks (ANNs) that are inspired by the neurobiological architecture in the brain. In image recognition tasks, the error rate of such ANNs is now down to just a few percent.[12]

For example, almost all cases of lung tuberculosis can be detected on chest radiographs (with 97 percent sensitivity and 100 percent specificity), when using two deep neural networks for image analysis and having a radiologist evaluate only equivocal cases, according to a pilot study.[13] Such a workflow could have great practical relevance, particularly in regions with few radiologists on hand. Other clinical AI applications that are within reach range from improved detection of pulmonary nodules in CT [14] to quantitative analyses of brain structures and neurological diseases with imaging biomarkers and "lab-like" results,[15] to personalized mortality risk scores in cardiovascular patients.[16]

Already today, AI is speeding up radiological workflows. For instance, Siemens Healthineers has developed an AI-based tool for its 3D diagnostic software "syngo.via," which automatically detects anatomical structures, independently numbers vertebrae and ribs, and also aids in precisely overlaying different examination dates or even different modalities. The company holds 400 patents and patent applications, and supports various research collaborations with top-level hospitals to promote the field. Numerous other applications are thus in development or can be expected from a range of companies in coming years.[17]

The way forward

It is clear that the implementation of AI in practice will require interdisciplinary collaboration in which radiology experts have a significant role to play.[18] In addition, it will be crucial to demonstrate the benefit of each new algorithm and account for the demands of licensing procedures and technological standards.

That said, however, it is highly probable that advanced AI methods will set a benchmark in diagnostic imaging, allowing not only higher automation and productivity, but also an unprecedented use of quantitative imaging data beyond the limits of human cognition.

"These upcoming developments will not replace the role of physicians but will provide them with highly accurate tools to detect disease, stratify risk in an easy-to-understand manner, and optimize patient-specific treatment and further tests," Piotr Slomka of Cedars-Sinai Medical Center in Los Angeles and his colleagues write in a recent expert review.[19]

Specifically, in areas, such as cardiac imaging, that are already quantitatively oriented, the adoption of AI may be particularly swift. In many other fields, however, AI-based algorithms could soon establish themselves as virtual "second readers," [20, 21] thereby advancing radiology towards a more value-based and efficient delivery of care.

www.healthcare.siemens.com/artificial-intelligence

Footnotes

[1] Mozur, Paul (May 23, 2017) "Google's AlphaGo Defeats Chinese Go Master in Win for A.I." *https://www.nytimes.com/2017/05/23/business/google-deepmind-alphago-go-champion-defeat.html?module=ArrowsNav&contentCollection=Business%20Day&action=keypress&region=FixedLeft&pgtype=article (accessed July 13, 2017)*

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[17] Signify Research (2017) Machine Learning in Medical Imaging – World Market Report

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[20] Zhao Y, de Bock GH, Vliegenthart R et al. (2012) Performance of computer-aided detection of pulmonary nodules in low-dose CT: comparison with double reading by nodule volume. Eur Radiol 22:2076-84

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RIS / PACS

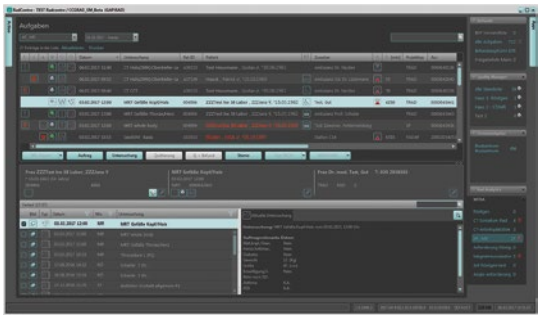
i-SOLUTIONS Health · RadCentre Analytics

Highlights

RadCentre Analytics offers an integrated solution for specific data analysis and interactive reporting to increase performance in radiology.

- Predefined and high performant processing of operating figures
- Unlimited analysis options for optimisation of business outcomes
- Integrated data warehouse solution
- Visualization of radiation exposure extracted from PACS

i-SOLUTIONS Health · RadCentre Cockpit & Speech Integration



Highlights

RadCentre is a comprehensive process and data management solution for radiology, nuclear medicine and radiotherapy. Based on latest technologies it offers high usability with an innovative user interface (Cockpit) and most efficient reporting with integrated speech recognition.

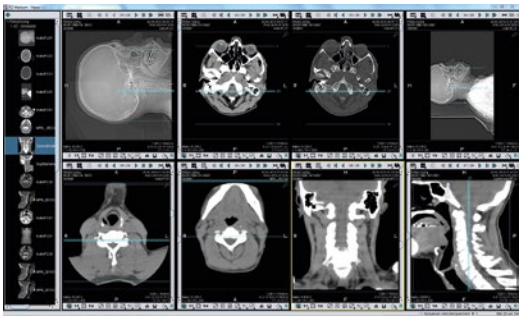
- Integration of received reports (specification depends on cooperating system)
- Fast and efficient creation of reports for treatment without delay

ITZ Medicom · ITZ Hyper.PACS with archiving-system Hyper.ARC

Highlights

- Fast, stable, safe
- One frontend and one database for all data
- Easy to support
- ITZ-Parallel-Archiving-Concept; no archiving of errors like with backup-principle
- Fast shortterm – and fireproof longterm – archive
- Compliance to RöV and MDD/MDR Class IIb

ITZ Medicom · ITZ Hyper.PACS – Reporting & Advanced Visualization



Highlights

- Solution for all purposes with special and easy hanging protocols
- Selection of postprocessing software for Radiology and Cardiology
- Real-time viewing. LVA, QCA and 3D-high-end-postprocessing
- One surface for viewing, diagnosis and telemedicine
- Viewing-history, session-parking, MRT-space-time-presentation
- Unlimited and automatic lists for demo, science and presentations

medigration · RIS / PACS

Highlights

Our RIS / PACS solutions are designed for multisite and manufacturer-independent networks. The WinRadiolog RIS product portfolio implies the whole patient management for your medical institution. Our PACS product portfolio comprises a proven DICOM archive, an intuitive operating reporting 3D ImageVision workstation, teleimaging and mobile solutions, patient CD system and DICOM PaperPrint Server.

medigration · ImageVision

- ☒ Mammo MR Screening
- ☐ Calcium scoring
- ☐ CFA
- ☒ Curonaries / heart
- ☒ Lung
- ☐ EP planning
- ☒ Functional Imaging
- ☒ Stroke
- ☐ Vessel measurement
- ☐ Virtual colonoscopy

Highlights

- Easy to use, high performance examination and analysis system for radiological routines
- Access to all images (including previous images) within seconds
- Unique and hierarchical data compression without any loss
- Individually configurable hanging protocols
- Independent individual scaling of your interfaces

PROTEC · CONAXX 2

Highlights

User-friendly and intuitively operable software for the acquisition of X-ray images and operation of several DR-modalities and X-ray generators.

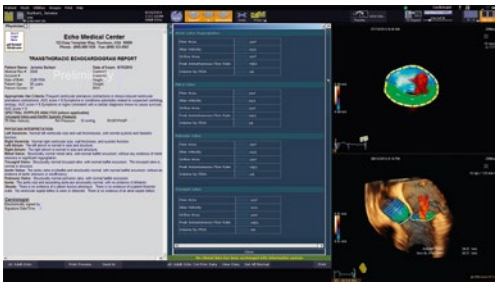
- Three clicks only to get your X-ray image
- Professional image tuning function
- Automatic image optimisation
- Image diagnose directly in CONAXX two possible (optional/single work-station solution)
- Compatible with any DICOM PACS
- Extraordinary workflow efficiency

PROTEC · PROPAXX

Highlights

- Administrative and assisting functions, e. g. the integrated interface for reporting the clinical findings or synchronic viewing images
- Detailed 10-bit display of the X-ray images
- Support of US images /sequences (US,CT,MRI in PROPAXX VET)
- Configurable menu with guide access
- Individual system size: single or multiple workstations
- Individual system size as multi-user / multi-client PACS solution
- Integrated backup function

Siemens Healthineers · *syngo* Dynamics



Highlights

syngo Dynamics offers enterprise-wide reading and smart structured reporting through a single system, driving outcomes. It helps to enable enhanced out-comes, increased performance, and improved operational efficiency.

- High quality data to improve outcomes and enable value-based care
- Increased performance through single point, enterprise-wide access – to data and images
- Operational efficiency – through advanced IT capabilities

Siemens Healthineers · *syngo*.plaza

Highlights

syngo.plaza is the smart PACS for reading and reporting a large variety all cases – from routine to complex.

- It offers robust performance, intuitive operation, and intelligent reading tools.
- It boosts routine reading by bringing 3D technology into PACS.
- It is a highly scalable PACS solution and its powerful storage capacities enable vendor-neutral archiving even enterprise-wide.

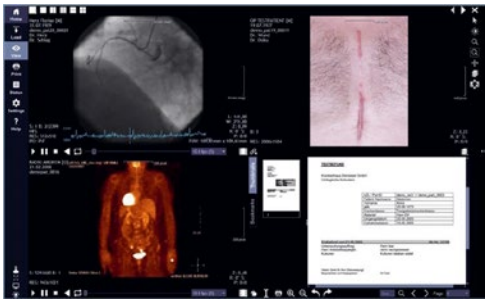
Siemens Healthineers · *syngo*.via

Highlights

syngo.via is the intelligent, integrated imaging software, which offers multi-modality and fast 3D reading, innovative and AI-powered applications and, with *syngo*.via Open Apps, a new open platform to boost your clinical capabilities.

- Simplifying Routine – multi-modality reading and reporting to speed up your daily routine
- Empowering Innovation – enabling you to boost your diagnostic performance with the latest technologies
- Adapting to you – integrating seamlessly into your IT environment and growing with all your medical and operational needs

Siemens Healthineers · next generation VNA



Highlights

Enterprise-wide clinical data management made easy: the next generation VNA is the universal solution that meets the requirements of a powerful enterprise archiving solution for managing, archiving, and sharing clinical data independent of format and origin (DICOM and Non-DICOM). Scalable storage capacities allow data archiving across departments.

- Patient-centric storage
- Single point of integration
- Cost-saving data management
- Virtual Patient CD App
- Universal zero-footprint enterprise viewer Vivisul vit. Olum publiam

BUSINESS INTELLIGENCE

Agfa · Enterprise Imaging Business Intelligence

Highlights

Easy access to the information you need through standard and customizable reports. Your Enterprise Imaging solution contains a wealth of information about your healthcare enterprise and its operations. Agfa HeatlhCare Business Intelligence reports are a cornerstone in better understanding operational realities, identifying areas for focused improvement and help build efficiency gains.

GE Healthcare · Healthcare Analytics Solutions

Highlights

A comprehensive portfolio of analytics solutions that comprise insight-rich applications supported by a team of healthcare experts. Ready-to-go analytics applications increase the value and utility of the vast amounts of healthcare data residing in transactional systems, devices and digital equipment to help healthcare organizations make more informed clinical, operational and financial decisions.

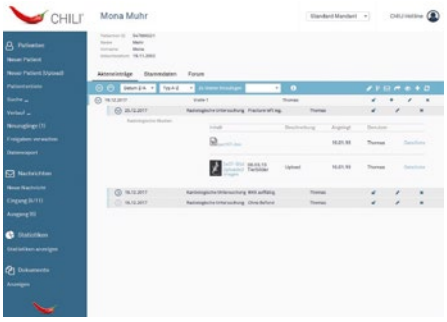
PORTAL SOLUTION

Agfa · Integrated Care Suite

Highlights

Integrated care is becoming a reality, and hospitals need solutions that give them a full overview of the patient, while sharing and collaborating with all stakeholders in the patient care continuum. With the Agfa HealthCare Integrated Care Suite hospitals can offer care providers, referring physicians and patients "anywhere, anytime" access to the patient's health information from different sources.

CHILI · Telemedicine Record



Highlights

Web-based platform for the exchange of multimedia documents, e. g. diagnoses, lab results, DICOM-compliant images

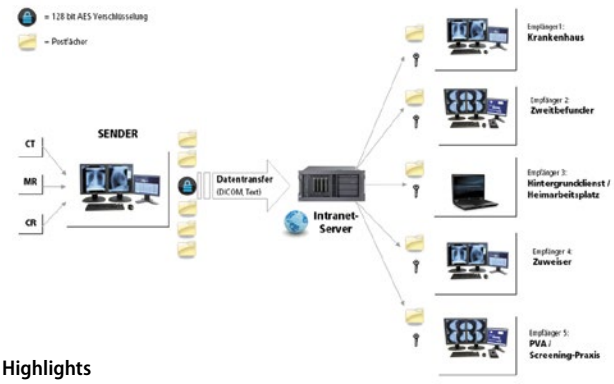
- Capture, display and administration of patient data
- Upload and download of DICOM and other images
- Forwarding to referring doctors
- Inter-sector exchange of multimedia patient data
- Multicentre studies with DICOM images

medigration · PraxisPortal

Highlights

- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- No elaborate VPN neccessary
- Fast display of images and findings as PDF or SR
- For PC / MAC: Intuitive, web-based tool, to be launched without any installation via any standard browser

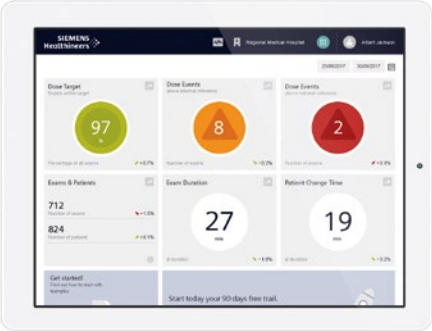
medigration · webConnect



Highlights

- Uncomplicated exchange of image data via the internet
- Highly cost effective since only the actual transferred data is calculated
- No VPN connection necessary
- Images and results can be called up within seconds due to intelligent data compression
- Total security by means of 256 bit AES encryption

Siemens Healthineers · teamplay

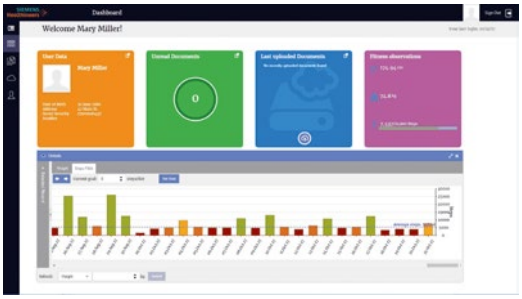


Highlights

teamplay is a performance management solution for radiology and cardiology.

- It provides you with transparent key metrics for your fleet and gives you fast, easy, and secures access.
- teamplay's focus on key metrics helps you to easily identify best-practice scenarios to standardize both operations and high quality of care.

Siemens Healthineers · eHealth Solutions



Highlights

By connecting different healthcare providers and even patients, eHealth Solutions foster communication and provide easy and secure access to treatment-relevant documents and images for all involved parties.

- IHE compliant infrastructure for exchanging medical information in cross-institutional, regional, and national eHealth structures.
- Connects physicians, patients and referrers through eHealth portals.
- Make documentation fast and comprehensive with eHealth Visual Care App

CAD

medigration · MammoView CAD-Option

- ☐ Brain
- ☐ Lung
- ☒ Mammo
- ☐ Cardio
- ☐ Liver
- ☐ Abdomen
- ☐ CT
- ☐ MRI
- ☐ CR / DR
- ☐ PET / CT

Highlights

- CAD microcalcifications detection and diagnosis support
- CAD calculation in the background without separate hardware
- Intuitive user interface for identification training
- Detected calcifications can be scaled up and viewed individually in sequence without additional expense

MAMMO WORKSTATION

Hologic · Intelligent 2D

Highlights

Intelligent 2D Reveal more details in high-resolution 3D exams.

- Superior image quality. Clarity HD high-resolution 3D images and Intelligent 2D images deliver unprecedented clarity, contrast and detail at 70 µm resolution. Accelerate lesion detection with confidence.*
- Lower dose. Generate a new 2D image using advanced machine-learning algorithms and high-resolution 3D data to produce a robust, natural-looking image.
- Improved patient experience. 3.7-second scans reduce compression time to minimize motion and improve patient comfort.

** Compared to 2D.*

Hologic · Quantra 2.2 Breast Density Assessment

Highlights

A New Standard for Automated Breast Density Assessment Discover the Difference with Quantra 2.2 Now with texture and pattern analysis, Quantra 2.2 offers more consistent, more reliable scoring. It delivers the accurate information clinicians need to confidently customize personalized patient care decisions and provide the highest quality assessments.

- Breast Density Estimation Algorithm
- Texture and Other Features Calculations
- BI-RADS 5th Edition-like Breast Density Scores

Hologic · SecurView Diagnostic Workstations

Highlights

- Flexible, intuitive image review capabilities that are tailor made to the radiologist's specifications
- Interactively and intelligently through information-sharing – fast access to patient images
- Multimodality options allow all DICOM breast images from other imaging modalities such as ultrasound and MRI, improving workflow and efficiency
- Integrated CAD and breast density (Quantra) displays

MAMMO WORKSTATION

medigration · MammoView

- ☒ Default display protocol
- ☒ Hi-Res displays or mixed setups
- ☐ Digital dictation integration
- ☒ Dedicated keypad
- ☒ WebClient

Highlights

- Extremely easy to use and manage
- Direct findings in the image
- CAD support (optional) and a second view area to examine US and MRT images
- Hanging protocols can be configured individually to automate your routine workflow
- Outstanding image quality (2,048 greyscale)

Siemens Healthineers · *syngo*.Breast Care

Highlights

syngo.Breast Care is the advanced solution for state-of-the-art mammography and tomosynthesis reading of multi-vendor imaging

- Choose the most suitable solution from a stand-alone workstation to a multiple-user server
- Customize your automated reading workflow to your personal preferences
- Easily include multimodality and 3D ultrasound reading, synthetic views, contrast enhanced mammography, breast density and CAD information

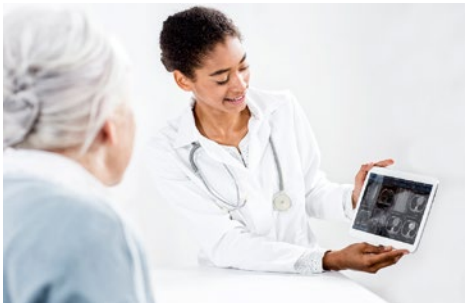
MOBILE RIS/PACS VIEWER

Agfa · Enterprise Imaging

Highlights

By seamlessly creating a comprehensive medical imaging record, and providing you with the tools to collaborate, exchange, view and manage it, Agfa HealthCare Enterprise Imaging supports you to build a system that will bring you clinical value all along the care continuum.

Agfa · Enterprise Imaging Universal Viewer



Highlights

Patient-centric image access from across all specialties in the enterprise, with enhanced viewing, collaboration and sharing, on a single web viewer. XERO Viewer provides secure access to imaging data from different departments and multiple sources, in one view, to anyone who needs it.
With the mobile device support, you can truly work on the go, capturing and uploading images wherever you are.

Agfa · Enterprise Imaging Exchange

Highlights

Fast, secure, reliable transfer of patient studies between hospitals, with no CDs or DVDs. With unlimited inbound and outbound uploading and downloading of images and a web-based way to share images with patients, referring physicians and other hospitals, Agfa HealthCare Imaging Exchange provides the enhanced image sharing you need to improve the delivery of care while decreasing costs.

CHILI · Mobile

Highlights

- Mobile image viewer
- Teleradiology
- PACS administration
- Easy integration into HIS / RIS / PACS
- Can be integrated into any EPR
- Works without internet shop
- Independent of operating system (iOS, Android, …)
- Device independent (Apple, Google, …)
- No app – but HTML5!
- Works with any PACS

GE Healthcare · Centricity 360 Suite

Highlights

Centricity 360 will help distributed care teams collaborate efficiently on patient cases in a secure on premise platform to optimize and simplify patient information exchange with primary care to improve care management. Centricity 360 Case Exchange, Centricity 360 Physician Access and Centricity 360 Patient Access are the first applications in the Centricity 360 suite of private/public cloud or datacentre-based solutions.

IMAGE Information Systems · iQ-3DVIEW

Highlights

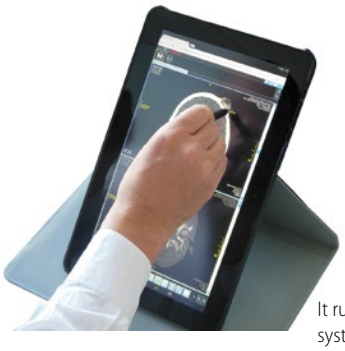
iQ-3DVIEW is a zero-footprint viewer for web-based 3D visualization from anywhere. It runs on both tablet and desktop computers without requiring client installation. Feature highlights include curved MPR, Volume Rendering including Cropping and virtual endoscopic view.

IMAGE Information Systems · iQ-4VIEW

Highlights

iQ-4VIEW is a ground-breaking diagnostic multimodality zero-footprint viewer, suitable for virtually all browsers and operating systems. It runs on almost any device (desktop computer, tablet PC or smartphone) and requires no installation on the client. iQ-4VIEW allows reading, viewing or reviewing any kind of images, structured reports and Encapsulated PDFs.

IMAGE Information Systems · MED-TAB v.2



Highlights

MED-TAB is the world's first DICOM-calibrated radiology tablet uniquely created for continuous high-quality, incredibly precise image access from any location.

It runs on the Android 6.0.1 operating system and is compatible with any zero-footprint DICOM viewer.

- Large 13.3" and bright 300 cd / m² screen
- 2 MP high resolution anti-glare display
- 11-bit DICOM grayscale calibration: a world first

ITZ Medicom · ITZ Hyper.mView, Mobile Solution

Highlights

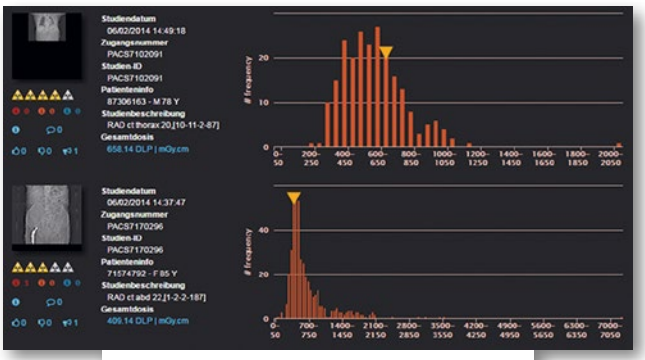
- ITZ Hyper.mView supports all mobile devices and tablet-PC
- The solution is scaleable to your needs and budgets
- Secure by encryption and / or anonymized transmission
- Receive your images wherever you are with high image quality
- Different functionalities from viewing up to diagnosis
- Administration from any location
- Several helpful measurements

medigration · PraxisPortal App

Highlights

- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- Fast display of images and findings as PDF or SR
- No elaborate VPN neccessary
- For iPad / iPhone: Installation and updates easily via AppStore

DOSE MANAGEMENT SYSTEMS

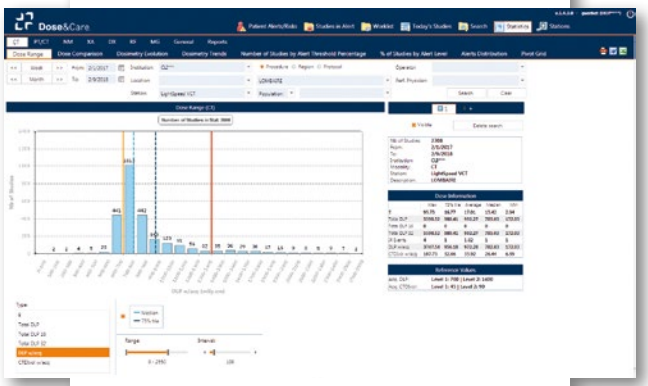


Agfa HealthCare · tqm|Dose

The Web-based Dose Monitoring platform, integrates directly into existing picture archiving and communication system's (PACS) environment. Collecting the dose and metadata information already there, it can create patient radiation dose analyses at the study, patient, device, modality or institution level. It also provides all the tools you need for Root Cause Analysis, to help you understand and solve potential problems.
TQM / Dose platform gives the tools needed to manage, analyze and balance the organization's radiation dose management.

Guerbet · Dose&Care

Dose&Care is an operational and flexible solution to monitor patient X-ray exposure. It connects to any ionizing modality (CT, DR, XR, XA, NM, MG) and to the IT environment (HIS, RIS, PACS…) and can be adapted to the imaging center specific workflow.
Dose&Care records patient exposure data and provides a comprehensive set of tools to document, analyze and share information, including: patient history, DRLs benchmark, automated and manual alerts, organ dose, peak skin dose, comparison tools, high level and advanced statistics, automated reports, export tools and much more. Easy to use and understand, Dose&Care stands out as solution which supports efficiently best-practice policies and facilitates regulation compliance.



GE Healthcare DoseWatch

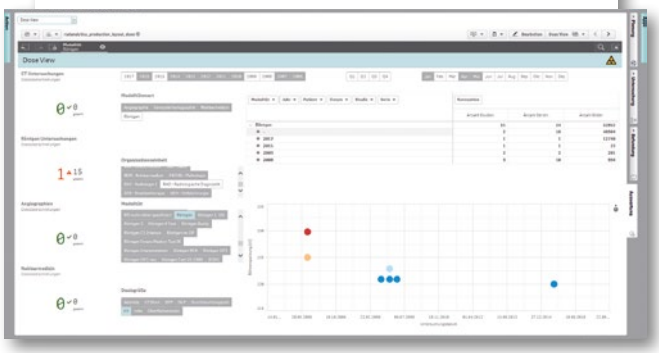
DoseWatch is a comprehensive integrated solution that enables radiation dose and contrast parameters management, optimization and standardization. It is a web-based dose management solution that captures, tracks, and reports radiation and contrast dose directly from the medical device or PACS.

It is a multi-modality and vendor agnostic solution that can support optimizing dose levels by helping to detect possible causes of excess radiation. Thanks to its analytical functions and visualization abilities the system helps to get more transparency and dose awareness. Thus focused images ca be produced in diagnostic exams with lower exposure.

i-SOLUTIONS Health · RadCentre Dose View

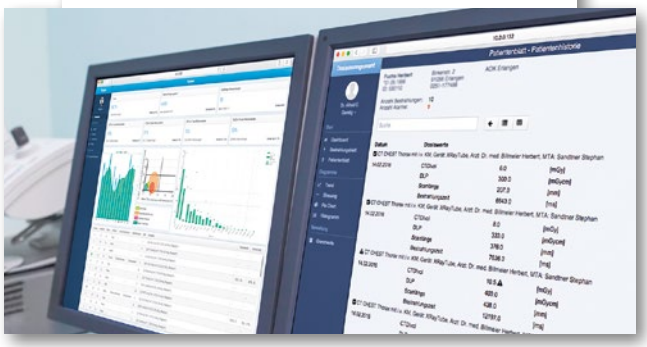
RadCentre Dose View is a stand-alone and RIS-independent dose management system to assess patient exposures due to ionizing radiation. The system is able to meet legal requirements (i.e. EU-Directive EURATOM 2013/59 and related national regulations for radiation protection) by offering consistent standards to increase the quality of radiological examinations.

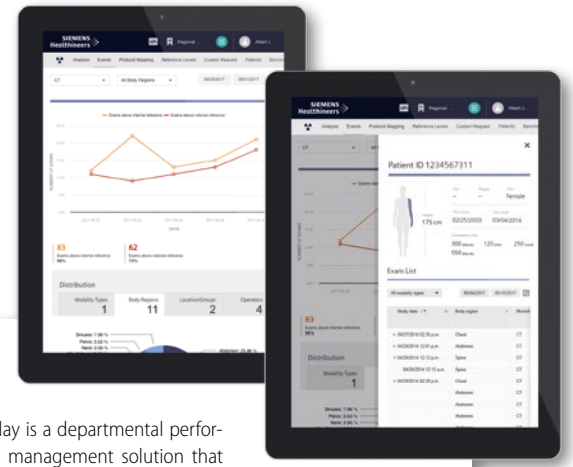
- Stand-alone dose management system, RIS-independent
- Conform to EU-Directive EURATOM 2013/59
- Tabular and graphic evaluation options to find examinations or modalities with increased radiation exposure
- Comparison of the applied dose to diagnostic reference values from the national Federal Office for Radiation Protection
- Offering consistent standards and increasing the quality of radiological examinations
- Patient exposure can be minimized
- Integration of dose values to the medical findings



Medigration · Domako

Domako is a simple and easy-to-use software solution for dose management in radiology. It collects, classifies and evaluates dose data of your modalities. It presents them in clearly arranged dashboards and provides user-friendly visual filtering and exploration, thus giving you the proper tools to efficiently control your dose management process and to optimize the protocols of your modalities purposefully. In doing so, Domako observes the current DRLs of the Federal Office for Radiation Protection (Germany) and provides you with reliable information on dose trends in your practice. Holistic or detailed, be it in terms of individual protocols, patient groups or even individual patients – Domako is highly flexible. It thus also fulfills the function of an automatic patient related x-ray dose documentation system. Monitoring the incoming dose data also enables you to react proactively to deviations. As a web-based on-premises system, Domako protects your sensitive data and can be easily integrated via standardized interfaces.





teamplay is a departmental performance management solution that brings together healthcare professionals and experts aiming to continuously improve medical care. teamplay allows you to make decisions swiftly and confidently, to access current data and thus optimize your workflow and to cooperate in a global team.

Our cloud-based network teamplay and the application teamplay Dose provide you at any time with an overview of the doses applied by your systems. The application visualizes the examinations that exceeded national reference levels or institutional set values, allowing you to analyse outliers on a case-by-case basis and identify their cause. Add your comment in a detailed list to fulfil your documentation requirements. In short: teamplay Dose is the ideal tool to ensure compliance with Council Directive 2013/59/EURATOM.

Siemens Healthineers · teamplay

www.radiologiemagazin.de

DOSE MANAGEMENT SYSTEMS

Company	Agfa HealthCare	Guerbet	GE Healthcare
Product	**tqm|Dose**	**Dose&Care**	**DoseWatch**
European head office	●	●	●
Technical support in Europe	●	●	●
CE mark	●	●	●
Licensing policy			
Single license	○	●	●
Campus license	○	●	●
Concurrent license	○	○	●
Pay per study	●	●	●
Pay per modality	●	●	●
Free trial	●	●	●
User administration			
User concept (Admin, Radiologist, Radiographer, etc.)	●	●	●
User concept for multiple clients	●	●	●
User customizing	●	●	●
Desktop and user customizing	●	●	●
Modality interfacing			
CT	●	●	●
PET-CT	●	●	●
SPECT-CT	●	●	●
RF	●	●	●
XA	●	●	●
DR	●	●	●
DX	●	●	●
MG	●	●	●
CR	●	●	●
Individually	●	●	●
All modalities per PACS	●	●	●
Automatic connection of new modalities	○	○	○
Connection only via manufacturer	○	○	●
Connection also via user possible	○	●	○
Synchronization of protocols			
Manually	○	●	●
Automatically	○	○	●
Automatically with user spezifications	○	●	●
Automatically using specific terminology (RadLex Playbook SNOMED, ACR-Index, or alike)	○	●	●
IT communication (read, save, process, evaluate)			
DICOM RDSR	●	●	●
DICOM MPPS	●	●	●
DICOM-Header	●	●	●
OCR	●	●	●
HL7	●	●	●
IHE-REM	●	●	●
Participating in IHE Connectathon	●	○	●

Caption: ● function available ○ function not available or not applicable (n /a)

i-Solutions Health	Medigration	Siemens Healthineers	Company
RadCentre Dose View	Domako	teamplay	Product
●	●	●	European head office
●	●	●	Technical support in Europe
○	●	●	CE mark
			Licensing policy
○	○	○	Single license
●	●	○	Campus license
●	○	○	Concurrent license
○	○	●	Pay per study
○	●	○	Pay per modality
○	●	●	Free trial
			User administration
●	●	●	User concept (Admin, Radiologist, Radiographer, etc.)
●	○	●	User concept for multiple clients
●	●	●	User customizing
●	●	○	Desktop and user customizing
			Modality interfacing
●	●	●	CT
●	●	●	PET-CT
●	●	●	SPECT-CT
●	●	●	RF
●	●	●	XA
●	●	●	DR
●	●	●	DX
●	●	●	MG
●	●	●	CR
●	○	●	Individually
●	●	●	All modalities per PACS
●	○	●	Automatic connection of new modalities
○	●	○	Connection only via manufacturer
●	○	●	Connection also via user possible
			Synchronization of protocols
●	●	●	Manually
●	●	●	Automatically
●	●	●	Automatically with user spezifications
●	○	●	Automatically using specific terminology (RadLex Playbook SNOMED, ACR-Index, or alike)
			IT communication (read, save, process, evaluate)
●	●	●	DICOM RDSR
●	○	●	DICOM MPPS
●	●	●	DICOM-Header
○	○	●	OCR
●	○	○	HL7
●	○	○	IHE-REM
○	○	○	Participating in IHE Connectathon

Caption: ● function available ○ function not available or not applicable (n /a)

DOSE MANAGEMENT SYSTEMS

Company	Agfa HealthCare	Guerbet	GE Healthcare
Product	**tqm | Dose**	**Dose&Care**	**DoseWatch**
Data analysis			
Examination protocol per			
– Modality	●	●	●
– Modality Type	●	●	●
– Examination protocol and modality	●	●	●
– Reference value and modality	●	●	●
– Reference value and selected modalities	●	●	●
– Modality and examinatiion type	●	●	●
– All examinations of individual patient	●	●	●
- Selected examinations of individual patient	○	●	●
– Patient data anonymizable	●	●	●
Dose exposition for individual patients			
Evaluation per conversion factor	●	●	●
Monte-Carlo-Simulation	●	●	●
Per individual algorithm	●	●	●
Graphic dose presentation with body model	○	●	●
Effective dose and organ dose ICRP 103	●	●	●
Evaluation of all examinations from single patients / Effective dose and organ dose ICRP 103	●	●	●
Graphic presentation of analytical results			
Histogram	●	●	●
Individual graphic presentation	●	●	●
Templates / Template Library	●	●	●
Patient data can be anonymized	●	●	●
Templates for presentation			
Templates available	●	●	●
Individual templates	●	○	●
Individual templates for user groups	●	○	●
Multi-client templates	●	●	○
Templates can be shared	●	●	○
Alarms			
Threshold per examination	●	●	●
Threshold per modality	●	●	●
Alarms are adjustable	●	●	●
Alarm at client desktop	●	●	●
Alarm via email	●	●	●
Alarm via text message	●	○	●
Data export			
All results CSV	●	●	○
All results Excel	●	●	●
Seleced data sets CSV	●	●	○
Seleced data sets Excel	●	●	●
Exportable graphics	●	●	●
Exportable graphics in cache for other applications	●	●	●

Caption: ● function available ○ function not available or not applicable (n /a)

i-Solutions Health	Medigration	Siemens Healthineers	Company
RadCentre Dose View	Domako	teamplay	Product
			Data analysis
			Examination protocol per
●	●	●	– Modality
●	●	●	– Modality Type
●	●	●	– Examination protocol and modality
●	●	●	– Reference value and modality
●	●	●	– Reference value and selected modalities
●	●	●	– Modality and examinatiion type
●	●	●	– All examinations of individual patient
●	●	●	- Selected examinations of individual patient
○	●	●	– Patient data anonymizable
			Dose exposition for individual patients
●	○	●	Evaluation per conversion factor
○	○	○	Monte-Carlo-Simulation
○	○	●	Per individual algorithm
○	○	○	Graphic dose presentation with body model
○	○	●	Effective dose and organ dose ICRP 103
○	○	○	Evaluation of all examinations from single patients / Effective dose and organ dose ICRP 103
			Graphic presentation of analytical results
●	●	●	Histogram
●	●	○	Individual graphic presentation
●	●	○	Templates / Template Library
○	●	●	Patient data can be anonymized
			Templates for presentation
●	●	●	Templates available
●	●	●	Individual templates
○	○	○	Individual templates for user groups
○	○	○	Multi-client templates
●	○	○	Templates can be shared
			Alarms
●	●	●	Threshold per examination
●	●	●	Threshold per modality
●	●	●	Alarms are adjustable
○	●	●	Alarm at client desktop
○	●	○	Alarm via email
○	○	○	Alarm via text message
			Data export
●	●	●	All results CSV
●	●	●	All results Excel
●	●	●	Seleced data sets CSV
●	●	●	Seleced data sets Excel
●	●	●	Exportable graphics
●	●	●	Exportable graphics in cache for other applications

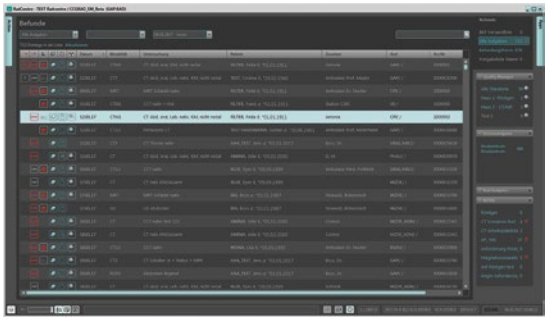
Caption: ● function available ○ function not available or not applicable (n /a)

ACCESSORIES / COMPLEMENTARY SYSTEMS

Canon · Scatter Correction

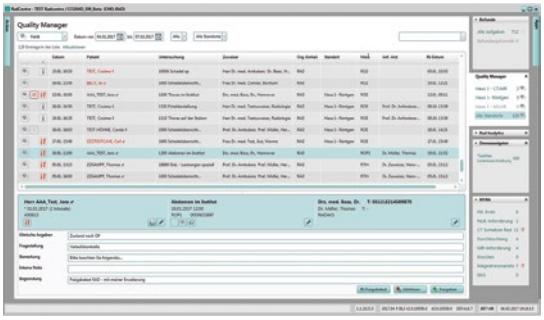
Highlights
Excellent image contrast without a grid. Canon's new image processing software Scatter Correction could reduce radiation dose by up to 60 percent on your radiographic examinations. Where a grid physically reduces scatter and thereby increases the image contrast, the software mimics this process virtually. The software works by creating a scatter model, which is subsequently subtracted from the image. The result is an image with reduced scatter and increased contrast. The software is available for Canon FPD imaging system.

i-SOLUTIONS Health · RadCentre Technician Profile



Highlights
RadCentre Technician Profile visualizes requested or performed examinations and reports at a glance and supports a fast and modality based workflow.
- Specific icons show examination status or patient information
- Images of prior examinations via integrated PACS viewer
- Interactive icons to change information or workflow status
- Scanned document files and laboratory results

i-SOLUTIONS Health · RadCentre Quality Manager

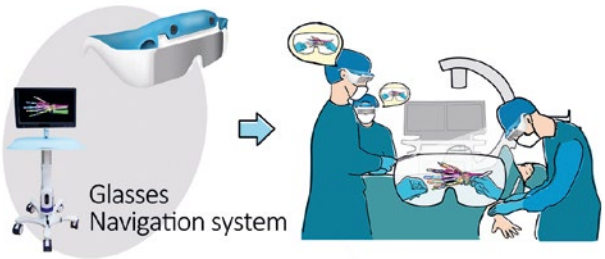


Highlights
RadCentre Quality Manager supports the justification and documentation process. It increases quality assurance, patient safety and efficiency of examinations and offers quick overview of information for doctors to initiate the justification.
- Integrated justification process
- Overview of non-validated examinations
- Easy planning of examinations and specific information for technologists

RADBOOK 2018

Please visit us at
www.healthcare-in-europe.com

MOST · Glasses Guide



Highlights
- Smart surgical glasses featuring Mixed Reality technology with surgical navigation.
- Surgeons are able to see through the patients and able to see 3D model of vascular, nerve and trajectory of surgical instrument.
- Reduces radiation exposure by lowering the necessity of taking "X-ray" photos during operations.
- Navigation system with less than 1.5 mm accuracy that merges with nerves and vasculars.
- Minimally invasive surgery allows patient to recover quickly after operation.

Mammography

Tomosynthesis

Digital Mammography

Film-Screen Mammography

Biopsy Units

Accessories /
Complementary Systems

TOMOSYNTHESIS

GE Healthcare · Senographe Pristina

kV Range 25 – 49 kV
Detector a-Silizium, 24 x 29 cm
Pixel size 100 µm

Highlights
- Inviting gantry design for patient- and user comfort featuring easy access and Dueta self-compression option
- Patented Rh/Mo x-ray tube for low dose imaging, especially in dense breasts
- IsoDose – comparable low dose 2D/3D
- AOP – Fully automated exposure control
- Option: Dueta, Seno 3D (DBT), SenoBright HD (CESM), Serena (Stereo)

Hologic · 3Dimensions

Highlights
A Breast Tomosynthesis Exam with Results Like No Other. Only the Hologic 3D Mammography exam:
- Proven to detect up to 65 % more invasive breast cancers than 2D alone.*
- The only mammogram FDA approved as superior for women with dense breasts compared to 2D mammography.
- More than 200 studies demonstrate the exam's clinical efficacy.

Now you can have these clinically proven results with the new Hologic 3Dimensions 3D Mammography system.

** Results from Friedewald, SM, et al. "Breast cancer screening using tomosynthesis in combination with digitalmammography." JAMA 311.24 (2014):* 2499-2507

Hologic · Clarity HD High-Resolution

Highlights
Fastest, Highest Resolution 3D Images
Unleash the power of the fastest and highest resolution 3D images in the industry with the same pixel size as FFDM (70 microns).
The Clarity HD high-resolution 3D imaging's breakthrough detector and advanced 3D imaging algorithm work together to deliver exceptional 3D images – regardless of breast size or density.
- Accelerate screening and analysis.
- Designed to clearly see subtle lesions and fine calcifications to help pinpoint cancers early.
- Designed to help you diagnose patients with greater certain.

IMS Giotto · Giotto Class 40000 – Mammography Unit

Power Up to 8 kW
Detector Amorphous Selenium; 24 x 30 cm
Pixe size 85 µm

Highlights
The system is designed to drastically improve the screening and diagnostic throughput thanks to an high rotation speed and an improved vertical run speed
The gantry is ergonomically designed to give patients a natural and more relaxed positioning
The operating and interventional modalities include:
- Digital mammography examinations (2D)
- Breast Tomosynthesis (3D)
- Synthesized 2D image generated from 3D dataset
- Combo: Tomosynthesis & digital mammography

High precision tomo guided or stereotactic biopsy
IMS Giotto is a GMM brand.

IMS Giotto · Giotto Class – Mammography and Tomosynthesis unit

Power Up to 8 kW
Detector Amorphous Selenium; 24 x 30 cm
Pixe size 85 µm

Highlights
Giotto Class is an advanced and innovative three dimensional breast imaging technology able to perform
- Digital mammography examinations (2D)
- Breast Tomosynthesis (3D)
- Synthesized 2D image generated from 3D dataset
- Combo: Tomosynthesis & digital mammography
- Stereotactic biopsy in prone or upright position

IMS Giotto is a GMM brand.

Planmed Oy · Clarity 3D

Power 23 – 35 kV
Detector Amorphous Silicon, 24 x 30 cm
Pixel size 83 µm

Highlights
- Digital mammography system for conventional 2D imaging, diagnostic imaging, stereotactic biopsies and Digital Breast Tomosynthesis (DBT)
- Continuous Sync-and-Shoot tomosynthesis imaging method with iterative reconstruction and TomoMarker technology to enable sharp and artifact free images
- Intuitive Planmed Clarity Flow touch screen based user interface

Siemens Healthineers · Mammomat Revelation

Technology W / Rh, W / Ti
Detector 24 x 30 cm
Resolution 85 µm

Highlights
State-of-the-art digital mammography system for screening and diagnostics
- Make anatomical details clearly visible with our unique 50° wide-angle tomo – in HD Breast Tomosynthesis and HD Breast Biopsy
- Automated breast density measurement right at the acquisition workstation allows for instand risk stratification
- InSpect – our integrated specimen scanner facilitates the immediate control of the biopsy directly at the system
- Get additional diagnostic information fast with Titanium Contrast Enhanced Mammography

Siemens Healthineers · HD Breast Tomosynthesis

Technology W / Rh, a-Se
Detector 24 x 30 cm
Resolution 85 µm

Highlights
Efficiently make confident decisions using our unique 50° wide-angle tomosynthesis providing the highest depth resolution
- EMPIRE Technology (Enhanced Multiple Parameter Iterative Reconstruction) for tissue and lesions in unprecedented clarity
- Gain more insight with the first synthetic visualization of tomosynthesis volumes in both 2D and 3D
- Reduce dose by replacing additional mammograms with Insight 2D
- Get the real 3D feeling: Gain new depth in reading and easily analyze microcalcifications at a glance with Insight 3D

VILLA SISTEMI MEDICALI · Melody IIID TS

Power 7.4 kW
Detector a-Se, 24x30 cm
Pixel size 85 µm

Highlights
- Digital mammography system with tomosynthesis function
- Special anti-scatter grid for tomosynthesis allowing superior image quality
- Collimator with automatic recognition of compressor paddle
- User-friendly interface with touch screen display on each side of C-arm
- DICOM 3.0 connectivity
- Optional diagnostic workstation available with CAD software

DIGITAL MAMMOGRAPHY

Canon · Artemis

Highlights
The Artemis mammography system provides both 2D (Full Field Digital) and 3D (Digital Breast Tomosynthesis) imaging. The system system supports both screening and additional work-up examinations and biopsy procedures.

DIGITAL MAMMOGRAPHY

DMS Imaging · Serenys DR Bym

Power 5 kW
Detector FPD 18 x 24 cm or 24 x 30 cm
Pixel size 85 µm
kV Range 20 – 35 kV

Highlights
- The Serenys DR Bym, with the added advantage of an isocentric C-arm including stereotactic biopsy
- The isocentric C-arm can be fully motorized and permits all breast projections without moving the patient and without adjusting the height of the C-arm, making exams faster and more comfortable
- The newest version dbt offers the possibility for tomosynthesis
- The device is also available in analogic version

GE Healthcare · Senographe Crystal Nova

kV Range 20 – 50 kV
Detector a-Silizium, 24 x 29 cm
Pixel size 100 µm

Highlights
- High performance GE detector
- AOP - Fully automated exposure control
- Quick and automated gantry positioning
- eContrast image processing
- Small foot print

Planmed Oy · Clarity 2D

Power 23 – 35 kV
Detector Amorphous Silicon, 24 x 30 cm
Pixel size 83 µm

Highlights
- Intelligent Planmed Clarity Flow dual touch screen user interface that adapts to different imaging modes
- Image post processing that can be tailored to radiologist preferences
- Side access for optimal patient positioning and user ergonomics
- Integrated MaxView breast positioning system for maximal tissue visibility
- Easy field upgrade to Planmed Clarity 3D digital breast tomosynthesis

Siemens Healthineers · Mammomat Fusion

Technology W / Rh, CsI
Resolution 83 µm
Detector 23 x 30 cm

Highlights
Premium mammography system to enhance everyday screening and diagnostics
- Help your patients to relax with the Mood-Light option
- Stereotactic biopsy option for fast seamless procedures
- New generation CsI detector technology for higher spatial resolution at low dose
- Refined workflow to perform complex tasks at the click of a button
- Personalized OpComp and OpDose
- Focus on total cost of ownership including operating costs and service

VILLA SISTEMI MEDICALI · Melody IIID

Power 5 kW
Detector a-Selenium, 24 x 30 cm
Pixel size 85 µm

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with dual modality: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Version with isocentric C-arm dedicated for biopsy procedures
- Optional diagnostic workstation available with CAD software

FILM-SCREEN MAMMOGRAPHY

Canon · Harmonia

Highlights
The Harmonia is trusted analog mammography system that can perform in the most demanding environments and provides extra value for the investment. Compact and upgradeable system can grow with the demand.

Planmed Oy · Sophie Classic S

Power 20 – 35 kV
Anode Mo
Filter Mo / Rh

Highlights
- An optimum performance analog system with ease-of-use
- High technology and smart solutions enable efficient workflow at smaller clinics and busy screening centers. Also diagnostic mammograms are available by upgrading the unit with a magnification platform and stereotactic biopsy device
- Automated features, such as the Automatic Exposure Control and automatic selection of the collimator ensure correct parameters for imaging and help to avoid additional retakes
- Optional CR interface available

Siemens Healthineers · Mammomat Select

Filter Mo/Mo or Mo / Rh
Object Table (Bucky) 18 x 24 cm or 24 x 30 cm
Interface Film ID camera or CR reader

Highlights
An analog system that is easy to use, provides images at the right dose and is cost-effective to offer women the standard of care they need
- Easy touch screen control for streamlined workflow
- Easy to dose right with AEC control
- Easy to invest with flexible service and upgrades

BIOPSY UNITS

VILLA SISTEMI MEDICALI · Melody III

Power 5 kW
Anode Molybdenum
Filter Mo / Rh

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with selection of exposure parameters in function of effective breast density
- C-arm with ± 180° rotation
- Version with isocentric C-arm dedicated for biopsy procedures
- Available with 18 x 24 / 24 x 30 cm bucky or special potter accepting both cassette sizes

Hologic · Brevera – breast biopsy system with CorLumina

Highlights
The Brevera system will change the way you think about performing breast biopsies
- Increase accuracy – Real-time imaging delivers a wealth of information to the point of care – so informed clinical decisions can be made with confidence.
- Enhance workflow - An intuitive user interface, real-time imaging, and automated specimen collection and separation work together to potentially reduce procedure times by up to 25 % or more.*
- Improve the patient experience – Fast, accurate, streamlined procedures mean less time under compression and can result in a more positive experience for you and your patients.

** 2015 Kadence International Survey of 200 healthcare professionals*

BIOPSY UNITS

Hologic · Affirm Prone Biopsy System

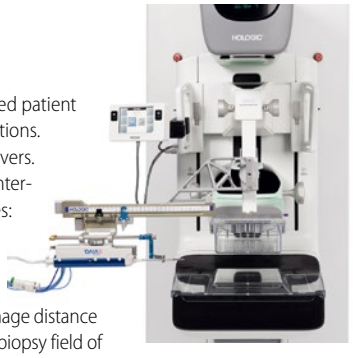
Highlights
The first and only dedicated prone stereotactic biopsy system with 2D / 3D imaging
- Stereotactic biopsy with Superior 2D or 3D imaging using the same proven detector technology found in our Selenia Dimensions mammography system.
- A streamlined workflow designed to deliver faster procedures.
- Easy, total access to the breast with full 360-degree access and an exclusive fully integrated lateral needle approach to facilitate reaching challenging lesions.
- Enhanced patient comfort through ergonomic design and an array of patient sitioning aids.

Hologic · The SmartCurve Breast Stabilization System

Highlights
More comfortable mammograms. More satisfied patients.
- Curved compression surface applies uniform compression over the entire breast.
- Shown to improve comfort in 93 % of patients who reported moderate to severe discomfort with standard compression paddles.*
- Processing software takes paddle geometry into account, so there's no impact on image quality.*
- There's no change in positioning technique or workflow for technologists.
- Can be used with a MammoPad breast cushion for additional cushioning and increased tissue capture.**

* *In an internal study comparing Hologic's flat paddle to the SmartCurvE paddle (18 x 24cm)*
** *Coryell T. Increasing Mammography Tissue Acquisition through Positioning Training and Use of a Foam Breast Cushion.*

Hologic · Affirm Upright Biopsy System



Highlights
Technological innovation. Improved patient care. Advanced breast health solutions. That's what the Affirm system delivers. To further support breast health intervention, the Affirm system features:
- Both stereotactic breast biopsy procedures and the revolutionary tomosynthesis option.
- Full use of the 70 cm source to image distance (SID) technology, the 18 x 24 cm biopsy field of view and clear compression paddles available with the Selenia Dimensions diagnostic system, enabling easy patient positioning and biopsy device loading, as well as ample workspace for wire localization procedures.
- Unique, 10°-angled biopsy approach for an unobstructed view of lesions, while maintaining simple Cartesian targeting methods in all biopsy modes.

IMS Giotto · Giotto Class Smartfinder – Advanced Mammography system

Highlights
Giotto Class is a patented breast tomosynthesis system offering a multitude of diagnostic and interventional solutions, including
- Stereotactic biopsy in prone or upright position using the specific prone table accessory
- High precision tomo guided biospy in prone or upright position using an innovative needle probe rotation for better lesion approach (SMARTFINDER)
- Combination of traditional stereo technique and tomo biopsy

The compact design and the versatile acquisition unit on wheels allow the operator to use the system in the same room for both diagnostic and interventional procedures
IMS Giotto is a GMM brand.

IMS Giotto · Giotto Flexitable – Advanced Mammography system

Highlights
FLEXITABLE is an accessory which, in combination with the Giotto CLASS system and the SMARTFINDER biopsy kit, enables interventional prone biopsy procedures
- High manoeuvrability, thanks to its reduced weight, the handle and the special wheels
- Excellent ergonomics for the patient thanks to the possibility of adapting the position of the breast and inclining or raising the front end of the table to compensate for bending and come into closer contact with the chest
- Excellent ergonomics for the operator: thanks to the large vertical travel, which makes it possible to work either standing or sitting, and the absence of connecting cables when the table is powered by the battery

IMS Giotto is a GMM brand.

Brevera®

Breast Biopsy System

HOLOGIC®

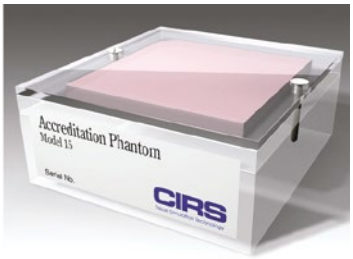
The Science of Sure

Brevera® Breast Biopsy System with CorLumina® Technology is **CE marked** and **ready to be ordered.**

Experience the difference of using **the world's first and only breast biopsy system** that integrates tissue collection, imaging, and handling **on www.breverabiopsy.com**

ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology · CIRS Phantoms



Highlights

- Mammography BR3D Phantom (Tomosynthesis and Breast CT)
- Multi-Modality Breast Biopsy and Sonographic Trainer (CT, US, MR)
- Stereotactic needle breast phantom
- Mammography test tools
- Mammographic accreditation phantom (evaluation of small structures detectability)
- Mammography Phototimer Consistency testing slabs
- Digital mammography phantoms
- Mammoview markers

Hologic · ATEC Breast Biopsy and Excision System

Highlights

ATEC breast biopsy & excising system provides clinicians with easier & more effective access to lesions with a single insertion.

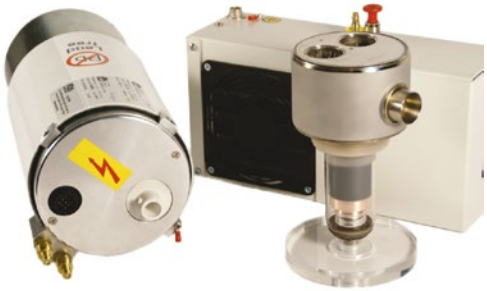
- Tissue acquisition occurs every 4.5 seconds
- One simple console for every modalit
- Easily delivers local anesthetic continuously
- Fully closed system & disposable device reduce contamination risk
- No software to program / operate console
- One minute set-up and clean-up

I.A.E. · XK1016T

Highlights

- Rotating anode mammography X-ray tube, with special bi-angled target, for optimal performances with all techniques
- Two separate focal tracks, small focus on 10° and large focus on 16°, optimal resolution performances
- Reduced thermal stress on the bearings improves tube life duration
- Severe tests during conditioning assure best performances
- Compact light weight structure

I.A.E. · C340



Highlights

- Water cooled mammography tube unit for beam scanning mammography equipments,high patients throughput screening applications
- Brass body lead free X-ray shielding internal pump for oil circulation improves oil to casing thermal Exchange
- Water cooled jacket avoids remote oil circulation
- Compact lightweight structure
- 800 W continuous dissipation for high energy techniques, high patients throughput

LEONI · Cable Systems

Highlights

LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for mammographs and can collaborate in the development phase.
As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

Varex Imaging · B-121 Mammography Housing

Highlights

The B-121 is an air cooled mammography housing that fits a standard three-inch X-ray tube insert meant for digital and tomography applications.
The housing has two shroud configurations; with and without quiet D/C fans.
The B-121 offers 300 watts of continuous heat dissipation with fans, which is approximately 200 % greater than standard mammography housings.

R / F Film-Screen

Bucky

Fluoroscopy

Mobile X-Ray

Accessories /
Complementary Systems

Canon

DMS IMAGING

GCTechnology GmbH

GMMGROUP

iae

PROTEC
TEAM | SPIRIT | ABILITY

SHIMADZU
Excellence in Science

STEPHANIX
MEDICAL IMAGING SOLUTIONS

SIEMENS
Healthineers

VILLA

BUCKY

Canon · Radrex

Power 50 kW or 80 kW
Table Motorized height adjustable with floating tabletop

Highlights
Canon recommends Radrex compact radiographic systems for general-purpose radiography, being highly accurate and efficient. It is possible to expand the original system to meet the particular clinical requirements of the user. When the system is combined with a portable FPD (35 x 43 cm) and digital processor, a wide range of applications can be performed.

GMM · OPERA RT20 – RAD and TOMO compact unit

Power From 32 kW up to 80 kW
Design Adjustable height table
Table Floor mounted

Highlights
- Compact X-ray units ensuring application versatility and operational efficiency.
- X-ray tube remarkable displacements for easy execution of examinations and oblique incidences also on stretchers.
- Total safety and comfort for the patient and enhanced diagnostic results in examinations of the spine, thorax, legs, etc.
- Utmost user-friendliness also in combination with wall stands.

PROTEC · BUCKY series

Power Various
Table Integration to table / wall stand / U-arm

Highlights
- Outstanding compatibility with X-ray tables, wall stands and U-arm of various brands
- High cost effectiveness due to continuation of use of existing grids and AEC chambers
- All established detector types are supported
- Suitable for cassettes / detectors of different dimensions
- Perfectly prepared for simple realisation when upgrading an existing analogue system to a fully digital DR

PROTEC · PRS 500 F / E

Power 40 / 50 / 65 / 80 kW
Table Fixed or adjustable height, floating carbon fibre table top

Highlights
- Compact bucky system for minimal space requirements
- PROVARIO HF generator integrated into table (40 – 80 kW)
- APR and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Table with floating carbon fiber table top
- Individual system configuration from analogue to fully digital solution
- Adjustable height with PRS 500 E

Shimadzu · RADspeed Pro automatic

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- High-performance automatic general radiographic system
- Auto positioning function
- Synchronized movements
- Next generation collimator with auto-filtering function
- High-load capacity table
- Space saving installation concept

Shimadzu · RADspeed fit

Power 32 / 56 kW
Table Floating type
kV Range 40 – 150 kV

Highlights
- Ultra compact X-ray unit
- Heavy load capacity of floating X-ray table
- Up to 432 application programs
- Flexible positioning of X-ray tube support
- Upgradeability to a fully-fledged digital system

Shimadzu · RADspeed Pro MC

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- Generator with high-frequency inverter technology
- Long vertical travel of ceiling-mounted tube support
- High-load capacity table
- Space saving installation concept

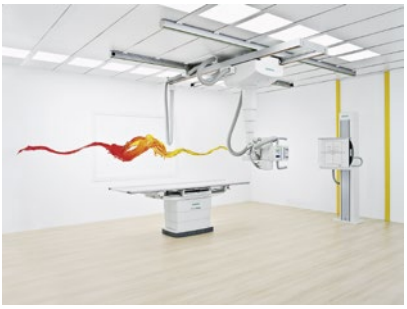
Shimadzu · RADspeed Pro MF

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- Generator with high-frequency inverter technology
- Floor-mounted tube support
- High-load capacity table
- Space saving installation concept

Siemens Healthineers · Multix Fusion

Table Free-floating, height adjustable, up to 300 kg
Power 55 / 65 / 80 kW



Highlights
Fits your needs.
Fits your budget.
- Key components adapted from Ysio like table, tube, bucky wall stand and many more
- Automation – Fast positioning with advanced tube tracking and comfortable maneuvering
- Small space requirements – fits your room and budget
- Prepared for the future – digitize your system whenever you prefer

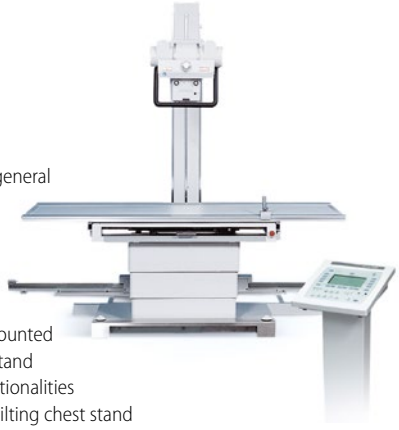
STEPHANIX · RAD series

System concept Cost efficient, multipurpose
Technology Upgradable to DR
Design Compact and reliable solution
Power Up to 80 kW

Highlights
- Designed for customising to your application and budgetary considerations
- Multi-functional and digital-ready
- Ergonomically shaped with floating table for easy positioning
- Small space requirement
- Wide range of general procedures
- Intuitive touch screen generator with 864 APR available
- Fixed or variable height table
- Floor or ceiling tubestand
- Tomography

VILLA SISTEMI MEDICALI · Moviplan 800

Power 32 / 40 / 50 / 65 / 80 kW
Table Fixed or elevating tabletop
Cassette Size From 13 x 18 cm to 35 x 43 cm



Highlights
- Modular bucky system for general radiographic applications, muscoskeletal diagnostic room or emergency ward
- Several configuration options: table available with motorized lift, floor-mounted or ceiling suspended tubestand
- Optional tomographic functionalities
- Available with standard or tilting chest stand

FLUOROSCOPY

Canon · Plessart EX8

Power 80 kW
II format 12"
Image system 1 k x 1 k CCD

Highlights
The Canon Plessart EX8 is a digital remote control R/F system comprising a R/F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

Canon · Plessart VIVO

II format 12" or 9"
Power 50 kW

Highlights
Canon Plessart VIVO is a remote control R/F system comprising an R/F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

Shimadzu · Flexavision series

Power 50 / 80 kW
II format 12" or 9"
Image system Digital or analog

Highlights
- 90° / 30° Digital or analog local R/F table
- Flexible configuration
- High reliability
- Turnable footrest
- Meets all requirements for routine R/F exams

STEPHANIX · EVIDENCE

System concept Versatile and robust remote controlled table
Technology Upgradable to digital with image Intensifier and Flat Panel Detector
Design Compact and reliable solution
Power Up to 80 kW

Highlights
- Complete patient coverage
- Smart 8 ways tabletop travel for easy and comfortable patient transfer
- Column angulation ±40° on the whole table's length
- Tomography
- Fixed or variable height
- Video camera for patient positioning to optimize dose reduction

VILLA SISTEMI MEDICALI · Apollo 4.0

Power 50 / 65 / 80 kW
II format 9" / 12" / 16"
Image system Analog or digital with I. I.

Highlights
- Premium remote controlled system for full clinical coverage in R/F applications
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Easy patient positioning system through integrated camera
- Possibility to perform stitching exam with portable wireless detector

VILLA SISTEMI MEDICALI · Apollo EZ 4.0

Power 50 / 65 / 80 kW
II format 9" / 12"
Image system Analog or digital with I.I.

Highlights
- Compact and cost-effective system for all the needs of radiographic and R / F imaging
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Easy patient positioning system through integrated camera
- Possibility to perform stitching exam with portable wireless detector

VILLA SISTEMI MEDICALI · Vision

Power 50 / 65 / 80 kW
II format 9" 12"
Image system Analog or digital with I.I.

Highlights
- Available with 2-way or 4-way tabletop
- Powerful SFD with line / cross divisions
- Can mount either 9" or 12" Image Intensifiers
- Ready for connection with DIVA digital acquisition system

MOBILE X-RAY

DMS Imaging · RAFALE B

Image system Analogic upgradable DR
Power 32 kW
kV Range 40 to 125 kV
mAs Range 0.1 to 320 mAs

Highlights
The Rafale B is a battery powered mobile X-ray unit analogic. Its compact size and integrated motor makes the unit movement smooth and precise. Thanks to telescopic tube arm and swivelling column it is able to easily move even in the hospital's smaller rooms. For precise positionning, motor assisted fine positioning adjustements are possible from the tube head and the entire unit moves millimeter by millimeter.

Shimadzu · MobileArt eco

Power 12.5 kW
kV Range 40 – 125
mAs Range 0.32 – 100 (200)

Highlights
- Telescopic arm
- Easy positioning
- Wide coverage
- Compact design

Shimadzu · MobileArt Evolution MX7 – DR ready

Power 32 kW
kV Range 40 – 133 kV
mAs Range 0.32 – 320

Highlights
- Superb image quality
- Easy handling
- User-friendly design
- Sophisticated radiographic functions
- Low noise motorized system
- Energy saving collimator with a bright irradiation field through LEDs
- DR ready: Flat panel detector upgradability

Shimadzu · MobileArt Evolution MX7

Power 12.5 kW
kV Range 40 – 125 kV
mAs Range 0.32 – 320

Highlights
- Superb image quality
- Easy handling
- User-friendly design
- Sophisticated radiographic functions
- Low noise motorized system
- Energy saving collimator with a bright irradiation field through LEDs

MOBILE X-RAY

Siemens Healthineers · Mobilett XP | Mobilett XP Hybrid | Mobilett XP Eco

	Mobilett XP	Mobilett XP Hybrid	Mobilett XP Eco
Power	30 kW, 450 mA (max.)	30 kW, 450 mA (max.)	20 kW, 400 mA (max.)
kV Range	40 – 133	40 – 133	40 – 125

Highlights

Remarkable user comfort in advanced mobile X-ray imaging

- Excellent image quality due to extremely short exposure times down to 1 ms (Mobilett XP Eco: 2 ms) and a powerful 30 kW generator (Mobilett XP Eco: 20 kW)
- Easy mobility and effortless positioning based on a lightweight and compact design, and an articulated swivel arm
- Remarkable user comfort, supported by self-explaining functionality, to ideally support the daily routine
- Mobilett XP Hybrid can be operated from both battery and mains power and offers the convenience of motor assisted traveling
- Advanced analog mobile X-ray system

Siemens Healthineers · Polymobil Plus

Power 16 kW (optional 20 kW)
kV Range 40 – 125

Highlights

Simplicity and reliability in mobile X-ray imaging

- High image quality due to high power output and a minimum exposure time down to 4 ms
- Easy handling and maneuverability based on a lightweight and compact system design
- High reliability
- Powerful entry level analog mobile X-ray system

STEPHANIX · MOVIX Series

Power From 20 to 50 kW
Technology Batteries powered high frequency generator
kV Range Up to 150 kVp
mAs Range Up to 500 mAs

Highlights

- Cost effective solution
- Compactness ensures easy handling
- User-friendly interface with 492 customizable anatomical programmes
- Wide range of procedures
- X-ray tube with rotating anode
- Thin dual focal spots
- High heat capacity
- Short exposure time

VILLA SISTEMI MEDICALI · Visitor T4

Motorized No
Power 4 kW
kV Range 40 – 110
mAs Range 0.2 – 250

Highlights

- Cost-effective mobile unit granting compactness and ease of use
- Suitable for most examinations performed in plaster rooms and health screenings contexts
- Compact and lightweight design for easy handling

VILLA SISTEMI MEDICALI · Visitor T30C

Motorized No
Power 32 kW
kV Range 40 – 125
mAs Range 0.1 – 220

Highlights

- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact and lightweight design for a high maneuverability of the unit
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- APR anatomic mode
- User friendly control panel

VILLA SISTEMI MEDICALI · Visitor T30M

Motorized	Yes
Power	32 kW
kV Range	40 – 125
mAs Range	0.1 – 320

Highlights
- Motorized mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Compact structure and flexible positioning
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function

VILLA SISTEMI MEDICALI · Visitor T30R

Motorized	No
Power	32 kW
kV Range	40 – 125
mAs Range	0.1 – 220

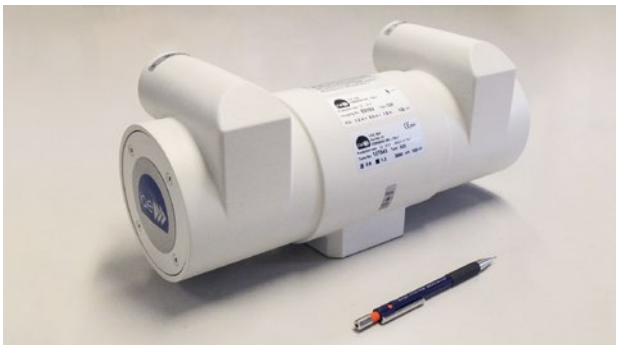
Highlights
- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact design for a high maneuverability of the unit
- ± 90° arm rotation for increased flexibility of X-ray tube positioning
- APR anatomic mode
- User friendly control panel
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead

ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology · CIRS Phantoms

Highlights
- Model 903 Radiography Fluoroscopy QA Phantom

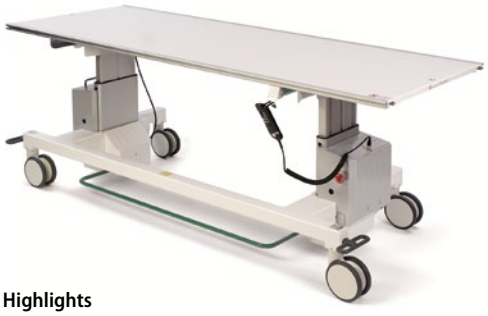
I.A.E. · C20



Highlights
- A new compact lightweight housing, specifically designed for mobile equipment.
- A low weight, less than 8.5 kg, combined with compact dimensions, 116 mm diameter and 342 mm length, allows significant reductions in the equipment supporting structures.
- A range of tube inserts up to 54 kW peak radiographic power at high rotation speed is available for this unit.

PROTEC · PROGNOST XP-series

Power	Line or battery
Table	Fixed or adjustable height (optional), carbon fiber table top



Highlights
- Mobile patient table to position the patient directly above the corresponding image receptor
- For digital DR detectors or with bucky tray integrated
- Fixed table height or elevating with floating carbon fibre table top
- Elevating versions with line connection or battery powered

R/F Digital

CR

DR

DR Retrofit

Mobile DR

Flatpanel Fluoro

Dental

Accessories /
Complementary Systems

CR

Agfa · CR 10-X

Slots 1
Resolution 20 bits / pixel
Cassette size 35 x 43 cm

Highlights
- Affordable CR solution that makes no compromises in image quality
- For a convenient and fast workflow
- Robust, yet easy to install and maintain
- Fits in small spaces and is suited for mobile applications
- Networking capabilities deliver seamless integration
- Capacity: 34 plates / hour

Agfa · CR 12-X

Slots 1
Resolution max. 200 µm / pixel
Cassette size 35 x 43 cm

Highlights
- Affordable CR system offering high image quality
- Customer-chosen optimal workflow
- Robust, yet easy to install and maintain
- Suited for mobile applications
- Networking capabilities deliver seamless integration

Agfa · CR 15-X

Power Autoranging external power supply (24 V output)
Size 580 x 700 x 471 mm (w x d x h)
Slots Single slot cassette feed

Highlights
- Affordable for a broad range of applications
- Convenient and fast workflow, with usercontrollable speed and resolution
- Robust yet easy to install and maintain
- Fits in small spaces and is suited for mobile applications
- Highly versatile, compact CR 15-X offers an ideal solution fordecentralised hospital environments, clinics and private practices.

Agfa · CR 30-Xm*

Slots 1
Resolution 10 pixels / mm, 20 pixels / mm for mammography
Cassette size From 15 x 30 cm to 35 x 43 cm, incl. mammography

Highlights
- Tabletop digitizer
- Broad range of applications: mammography, general radiography, orthopaedics, chiropractic, dental and FLFS
- No quality compromises
- Horizontal cassette insertion
- Low total cost of ownership
- Mobile use
- Capacity: up to 82 plates / h

**CR 30-XM not available in the US & Canada*

Agfa · DX-M*

Slots 1 – 5 cassettes: drop and go buffer
Resolution 6.7 – 20 pixels / mm
Cassette size From 15 x 30 cm to 35 x 43 cm, incl. mammography

Highlights
DX-M : Mixed to perfection
- Next-generation CR digitizer
- NIP and PIP detectors for general radiography and mammography
- Superb image quality and potential for dose reduction
- Five cassette drop-and-go buffer
- Small footprint
- Capacity: approx. 83 plates per hour (35 x 43 cm cassette)
- MUSICA Image Processing

** DX-M with CR Mammography application is not available in the US*

Konica Minolta · Regius 210

Slots 2
Resolution 3 – 11 Lp / mm
Cassette size From 18 x 24 cm to 35 x 43 cm

Highlights
- High performance dual bay reader
- Outstanding image quality in both general X-ray and mammography
- Low dose imaging for paediatric use
- Use with standard cassettes and CsI cassettes (CP-1M, CP-1S)

CR

Konica Minolta · Regius 110 HQ

Slots	1
Resolution	3 – 11 Lp / mm
Cassette size	From 18 x 24 cm to 35 x 43 cm

Highlights
- Highy quality mammography read function
- Easy to operate and maintain
- Powerful compact reader with linear motor technology
- Use with standard cassettes and / or mammography cassettes

Konica Minolta · Regius Sigma II

Slots	1
Resolution	3 – 6 Lp / mm
Cassette size	From 18 x 24 cm to 35 x 43 cm

Highlights
- Only 28 kg
- Foot print only 0.31 m²
- Processes up to 60 plates / hour
- Ultra compact: Konica Minolta's smallest and lightest CR reader
- Environmentally friendly with an energy consumption of max. 100 VA

DR

Agfa · DX-D 300

kV Range	From 40 to 150 kVp in 1 kVp step
mAs Range	From 0.1 to 500 mAs in 38 step

Highlights
- Universal modality
- Single DR detector
- MUSICA processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Integrated software for generator and positioner interface
- Complete versatility with optional CR / DR combination
- Motorized positioner
- Floor mounted

Agfa · DX-D 40 detector

Detector	Amporhous Silicon
Size	384 x 460 mm (outer dimension)
Detector	AED (Automatic Exposure Detection)
Technology	CsI and GOS

Highlights
The DX-D 40 Digital Detector with Automatic Exposure Detection (AED) offers a fast and effective way for radiography facilities to benefit from high quality digital imaging using any X-ray equipment:
- Improved workflow and exam speed
- Cassette-sized detector gives maximum convenience and ortability
- MUSICA processing for excellent contrast detail

Agfa · DR 10s detector

Technology	CsI (Cesium Iodide) and GOS (Gadolinium oxysulfide)
Size	Effective area: 251.0 x 314.5 mm (10 x 12 inch)
Detector	Amorphous Silicon with TFT

Highlights
- Lightweight, high resolution Automatic Exposure Detection (AED)
- Offers optimal convenience & portability
- Easy cleaning & disinfection
- Compact detector fits into incubator bucky tray
- Seamless use with virtually all X-ray systems and maximizing the use of the existing X-ray equipment
- High DQE & optimal pixel size, for low dose examinations
- Extremely long battery autonomy of up to eight hours
- MUSICA processing for excellent contrast detail & exam-independent, consistent image quality
- Cesium Iodide (CsI) detector scintillator

Agfa · DR 400 (floormounted)

Power 40, 50, 65, 80 kW

Highlights
- Cassette size bucky can rotate from landscape to portrait
- Build-in Dose Area product meter (optional)
- Scalable, flexible and affordable modality
- Flexible configurations and options for most needs
- Supports CR and DR integration
- Requires limited space (4 x 2 m)
- MUSICA processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow

Agfa · DR 600 (ceiling suspended)

Highlights
- Excellent user-friendly 10 inch tube head display with preview image
- Detector CsI technology with dose reduction potential
- Tilting wallstand bucky with vertical tracking, holders for patient convenience and collimator light switch
- High-productivity, top-of-the-line, direct radiography system with motorized auto-positioning.
- MUSICA processing provides superior contrast detail and consistent, exam independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Automatic versions support DR detectors in the wall stand and table with optional additional integrated CR

Canon · Radrex-i

Power 80 kW
Detector a-Si / CsI
Pixel size 139 µm

Highlights
This digital radiography system is a new-concept system that permits radiography to be performed easily and with greater accuracy. In this system, the operating sections for the digital image processor and the X-ray high-voltage generator are integrated, and the use of an integrated panel improves workflow.

Canon · Aceso+

Highlights
Aceso+ represents the optimum combination of 4th generation auto-positioning technology with ergonomic design. The result is an advanced digital radiographic system that creates an efficient workflow and maximizes patient throughput. Featuring advanced applications like auto-stitching, Aceso+ is the optimal solution to all your imaging needs.

Canon · Aceso

Highlights
The Aceso is a unique combination of proven technology that creates an elite, yet cost-effective, DR imaging solution to a wide variety of clinical needs. The Aceso can be installed in both the tallest and shortest of rooms. Our unique ceiling wagon provides unsurpassed usable stroke for high ceiling heights while the CUBE solution allows the system to be installed in rooms with ceilings as low as 2,5m without requiring ceiling support infrastructure.

GMM · KALOS – Powered by Canon DR

Design Motorized, auto-positioning, ceiling-suspended
Table Motorized, height adjustable and fixed table top
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Next generation High End solution for all radiographic applications
- Optimal workflow for high volume patient throughput
- High efficiency with RIS integrated workflow
- Smart Automatic positioning and Smart tracking
- Motorized support for easy positioning
- Fixed tabletop, no patient movement
- Integrated with Canon detectors
- Canon NE acquisition software with generator integration

World-class technologies for healthcare and diagnosis

New cutting-edge products and clinical applications

"With Your Stories – lifetime healthcare support" is the future-driven approach combining the best of two worlds by using our insight and expertise in medical imaging systems and laboratory instrumentation to benefit patients through even better prevention, diagnosis, treatment and follow-up and thus help them in the pursuit of a healthy life.

Recognized for its global strategies and product launch efforts

Shimadzu was recognized for its global strategies and product launch efforts for diagnostic X-ray imaging systems and received the 2017 Global General Radiography Product Line Strategy Leadership Award from Frost & Sullivan. RADspeed Pro EDGE, MobileDaRt Evolution MX7, and Sonialvision G4 were the systems that were decisive for winning this award.

Angiography & Cardiology – New: Trinias unity edition

The Trinias unity edition series supports less invasive treatments through a variety of smart applications. It is available in 10 different versions, as bi-plane or single-plane, ceiling- or floor-mounted system. Different FPD sizes (8x8 inch, 12x12 inch & 16x12 inch) provide highest flexibility to individualize Trinias unity edition as a dedicated cath lab or even crossover system.

SMART TABLE Highly complex cases in the cardiac, neurological, and peripheral regions are comprehensively supported being equipped with SMART Table.

SCORE PRO ADVANCE provides high-quality radiographic and fluoroscopic images with fewer motion artifacts and a lower dose. Above all, the new motion-tracking noise reduction technology minimizes noise and allows sufficient visibility of the tip of the guide wire and catheter.

FLEX-APS This real-time artifact optimization technique is an automatic offset function to reduce misregistrations of DSA. Flex-APS automatically detects and optimizes the sectional pixel movement gap between the MASK image and each frame image regardless of the ROI's movement direction, such as twisting.

SCORE CHASE is designed for real-time whole peripheral observation. The long-view whole peripheral image is stitched and displayed automatically without time lag.

SCORE STENTVIEW is a software developed specifically to support PCI procedures based on real-time image processing technology, a Shimadzu specialty. SCORE StentView displays stents in a fixed position, but rather in real-time.

Surgical C-arm system – Opescope Acteno

High operability and image quality

The Opescope Acteno enables free and easy positioning and optimal performance to meet the demands of operation and emergency rooms. The fully counter-balanced C-arm provides extra smooth and extra quick C-arm movements and positioning.

Shimadzu's unique C-arm lock/release button on the image intensifier allows the C-arm to be positioned from the clinician's side without the need to go back to the cart unit. The enlarged 78 cm wide opening of the C-arm facilitates approaches to the patient, minimizing the risk of contact with the operating table.

- Unique RSM filtering technology minimizes motion artifacts in DSA
- Unique Touch Focus technology optimizes the image brightness focused on the selected ROI

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Further information: Shimadzu Europa
www.shimadzu-medical.eu

General Radiography – RADspeed Pro EDGE

High-performance digital radiographic system with extended functionality

The RADspeed Pro EDGE digital radiography system adds numerous functionalities to support diagnostics in clinical applications, such as orthopedic surgery, and general radiography for many different parts of the body.

These functionalities can be added complementing the RADspeed Pro EDGE system:

TOMOSYNTHESIS allows to easily obtain multiple digital cross-section images from a single linear tomography scan.

DUAL ENERGY SUBTRACTION utilizes the difference in X-ray absorption levels of bones and soft tissue to generate separate images, which is useful for diagnoses in the chest area, such as lung cancer.

AUTO STITCHING RADIOGRAPHY covers the entire lower extremities or entire spine and links the settings made on the X-ray tube with the Bucky table or Bucky stand with subsequent automatic image stitching.

Mobile DR – MobileDaRt Evolution MX8

Shimadzu's first telescoping support column for even more convenient drivability

The Shimadzu MobileDaRt Evolution digital mobile X-ray system has been favorably received thanks to its excellent maneuverability, reliability, performance and ease of positioning.

The newly redesigned MobileDaRt Evolution MX8 version has been developed to provide users with multi-faceted support based on Shimadzu's extensive technology and track record cultivated thus far. The most important features are:

- Collapsible column ensuring enhanced forward visibility and enabling even more convenient drivability and positioning
- Various functionalities such as new, completely flat 19" monitor improving operability; "All Free" buttons releasing the electromagnetic locks, enabling simple one-step positioning of the X-ray tube arm;
- Selectable FPD series allowing flexible system configuration.

Radiography & Fluoroscopy – Sonialvision G4

„Best-in Class" digital multipurpose R/F system

The Sonialvision G4 high performance R/F table provides numerous best-in-class features significantly increasing its functionality and operability. Sonialvision G4 unites the widest possible range of examinations with inter-departmental hospital capability. The largest available FPD at 43 x 43 cm provides an extensive imaging area.

NEW SUREENGINE FAST (Fluoroscopy Assisted Studies and Treatments) This new image processing technology significantly reduces the X-ray irradiation dose in ERCP, which is used in the examination and treatment of bile and pancreatic ducts using endoscopes.

SLOT ADVANCE This function provides high accuracy images with long fields of view, such as for full spine or full leg images, taken with a minimal X-ray dose. SLOT Advance acquires a series of accurate images of a few centimeters central slit and therefore allows precise measurements of extremities.

T-SMART This feature generates even clearer tomosynthesis images by further suppressing the artifacts around metal objects. The T-smart application is of great help in orthopedics, as it allows a very exact diagnosis of the status of the boundary between bone and implant.

DR

NRT · Adora DRi – Powered by Canon DR

Design Ceiling-suspended DR system
Table Motorized, carbon fiber, floating top with 340° rotation
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Next generation high-end DR solution for all radiographic applications
- Intelligent workflows for high volume patient throughput
- APR auto-positioning with up to 999 positions
- Lateral examinations without repositioning of the patient
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- State-of-the-art ergonomics

Arcoma · Precision – Powered by Canon DR

Design Ceiling-suspended DR system
Table Motorized height adjustable with floating tabletop
Detector Canon CXDI-series, high resolution DR detectors

Highlights
High End solution for all radiographic applications
- Optimised workflow for high volume patient throughput
- Smart Automatic Positioning
- Fully Automatic Image Stitching
- High efficiency with RIS-integrated workflow
- Advanced 6-way Patient Table with motorised adjustment and motorised detector tracking
- Tubehead display allows access to a variety of examination information

Stephanix · D2RS – Powered by Canon DR

Design Remote controlled digital fluoroscopic system
Table –25 / +90 degrees
Detector Canon CXDI-50RF

Highlights
Unrivalled 3-in-1 solution for radiography and fluoroscopy
- Uncompromised direct digital radiography and fluoroscopy
- Motorized auto-positioning, dose reduction features
- Head-to-toe patient coverage
- "Smart access" table position for easy patient transfer
- Variable table height, variable SID for all clinical examinations (max. 180 cm)
- Customizable pediatric protocols

Arcoma · Intuition – Powered by Canon

Design Ceiling-suspended DR system
Table Floating table top
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Versatile solution for all radiographic applications
- Optimized workflow for high volume patient throughput
- High efficiency with RIS integrated workflow
- Lightweight manual Alpha, Beta, X- and Y-movement
- Motorized Z-movement for easy positioning
- Floating tabletop
- Smart Chest and Table detector tracking
- Acquisition station with large DICOM calibrated touch screen display
- Easy to fit in low ceiling X-ray rooms

DelftDI · Easy DR

Design Floor mounted X-Ray system
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Versatile solution for multipurpose examinations
- Multipurpose floor mounted X-Ray system
- Suitable for mobile installations (i. e. truck or container)
- Retractable anti-scatter grid
- Vertical and horizontal positioning of the U-arm
- Acquisition station with DICOM calibrated touch screen display
- Asymmetrical diaphragm, specially designed for Thorax examinations
- Optional low-power consumption X-Ray Generator

DelftDI · Trauma DR Plus

Design Ceiling-suspended U-arm trauma system
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Versatile solution for trauma applications
- Fast and efficient workflow
- Easy manual positioning with motorized support for Z-movement
- Large open workspace with a fixed focus-detector distance of 135 cm
- Integrated cable management
- C-Arm dept of 55 cm
- Integrated Dose Area Product Meter (DAP)
- Acquisition station with large DICOM calibrated touch screen display

KONICA MINOLTA

When details matter. AeroDR HD.

Areas of interest are not always easily visible. Only when you zoom in you are able to make the right diagnosis. Konica Minolta introduces its most sophisticated digital X-Ray detector: the **AeroDR HD** with 100µm pixel size for displaying the finest micro structures. When details matter, you can rely on Konica Minolta.

Display micro structures | Better visibility of bone trabecular | Edge of the bone is clearer | No "pixel shape" when zooming in | Lightweight and Robust structure | Fast and Reliable Workflow

AeroDR HD

Giving Shape to Ideas

www.konicaminolta.eu/healthcare | info-nl@mg.konicaminolta.eu

DR

DMS Imaging · Camargue HQ DR

Power 50 / 65 / 80 kW
Detector Csl or Gadox
Size 36 x 43 cm Wifi / 43 x 43 cm, 41 x 43 cm Fix

Highlights
The Camargue series was designed to ensure the best radiographic performance.
Several model are available:
- Manual ceiling suspension
- Auto tracking
- Fully motorized, 5 axes
- Variable height table

Different configuration available with:
- Only one portable detector wifi for table & VBS
- One portable detector wifi & flat panel detector
- 2 flat panel detectors

GE Healthcare · Discovery XR656 Plus

Power 50 / 65 / 80 kW
Detector a-Si, 41 x 41 cm, FlashPad
Pixel size 200 µm

Highlights
- High productivity through complete motorization
- Clinical flexibility through wireless FlashPad detector
- Possibility of detector sharing
- Table with high patient load up to 320 kg
- Optimized efficiency and diagnostic confidence through optional Advanced applications
- Advanced applications: VolumeRAD, Dual Energy, AutoPasting

GE Healthcare · Optima XR646

Power 50 / 65 / 80 kW
Detector a-Si, 41 x 41 cm, FlashPad
Pixel size 200 µm

Highlights
- Universally applicable, with robust table up to 320 kg patient load
- Flexible 3D ceiling suspension with tracking
- Clinical flexibility through wireless FlashPad detector
- Improved efficiency and diagnostic confidence through optional Advanced applications
- Advanced applications: Dual Energy, AutoPasting

GMM · CALYPSO – Multifunctional DR system

Design Ceiling suspended-double detector system
Detector Fixed or portable
Table Adjustable height

Highlights
- Enhanced Direct digital radiology in Trauma, ER, routine and specialized examinations.
- Preset for two flat panel detectors either fixed or WiFi.
- Adjustable height examination table for easy and safe patient positioning.
- Exclusive interlocking technology ensuring automatic alignment of the X-ray source to the detector movement.
- Advanced digital system with optional stitching

GMM · CALYPSO F – Multifunctional DR system

Design Floor fixed system with double detector
Detector Fixed or portable
Size 35 x 43 cm and 43 x 43 cm

Highlights
- User-friendly solution for direct digital radiology.
- Adjustable height examination table floating in the four directions.
- X-ray tube column stand sliding on rails combined with examination table and wall stand.
- Column stand rotation around its vertical axis for an easy and safe execution of lateral projections.
- Advanced digital system for image acquisition and processing.

INTERMEDICAL · Submarine – DR System

Design Ceiling-suspended DR system
Detector Single or double, portable or fixed flat panel detector
Motorized Auto-positioning

Highlights
A highly integrated system ensuring high quality diagnostic results in traumatology, emergency, routine and specialized examinations.
- Easy APR auto-positioning
- Detector tracking in all directions
- Fully automatic image stitching
- Generator Power up to 80 kW
- DELUXE processing provides outstanding image quality
- Fast and efficient workflow
- Full Dicom

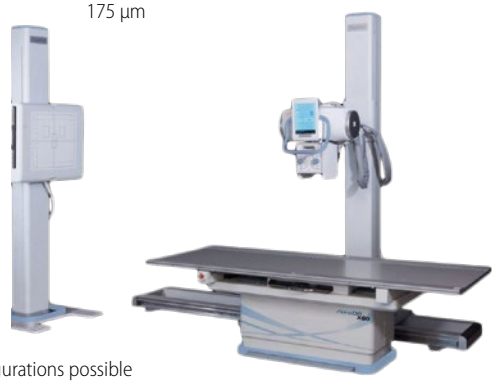
Konica Minolta · AeroDR X50

Power 32 – 80 kW
Detector AeroDR CsI FPD 14" x 17" / 17" x 17" / 10" x 12"
Pixel size 175 µm

Highlights
- High image quality, low dose
- Compact
- Suits small rooms
- Optional stitching
- AeroDR detector can be used in table, wallstand or outside of bucky

Konica Minolta · AeroDR X60

Power 65 – 80 kW
Detector AeroDR CsI FPD 14" x 17" / 17" x 17" / 10" x 12"
Pixel size 175 µm



Highlights
- Multiple configurations possible
- Light handling, servo tracking standard
- Excellent workflow in combination with AeroDR detector
- Intuitive AeroNAV console

Konica Minolta · AeroDR X70

Power 50 – 80 kW
Detector AeroDR CsI FPD 14" x 17" / 17" x 17" / 10" x 12"
Pixel size 175 µm

Highlights
- Multiple configurations possible
- Light handling, servo tracking standard
- Excellent workflow in combination with AeroDR detector
- Intuitive CS-7 console
- Can be installed in rooms with a minimal height of 2.5 metres

Konica Minolta · AeroDR HQ Range

System concept Portable Digital X-ray Detector
Detector CsI scintillator 17 x 17", 14 x 17", 10 x 12"
Design Monocoque carbon fiber

Highlights
- Unique battery technology prevents overheating
- High quality images at a low dose
- Two second preview
- Durable design
- Lightweight, for light handling: 1.7 kg (10 x 12"), 2.9 kg (14 x 17"), 3.6 kg (17 x 17")
- High DQE CsI detector

MECALL · KALOS – Single / Dual / Triple FPD DR system

Detector Amorphous silicon
Resolution 148 µm
Size 43 x 43 cm; 35 x 43 cm Wi-Fi; 24 x 30 cm Wi-Fi

Highlights
- Advanced elevating table with detector floating in the longitudinal and lateral directions
- Automatic alignment of the detector with the X-ray beam
- Useful radiographic area > 2 m including lateral projections
- Auto positioning features driven by anatomical programs
- Advanced image processor fully integrated into ceiling suspension touch screen

MECALL is a GMM brand.

medical ECONET · meX+ DR Solution

System concept Accessories for meX+ DR systems, meX+ Image Acquisition Software, meX+ DR Carrying Bag

Highlights

meX+ Image Acquisition Software
- Simple and perfect images at all time
- Integrated automatic image optimization
- Touchscreen function for easy operating
- Fully integrated radiographic positioning guide
- Bones and soft tissues in one image

meX+ DR Carrying Bag
- Allows safe and comfortable transportation
- Protection against demages and filth
- User-friendly and space-saving design
- Less than 10 kg for the complete system

DR

medical ECONET · Mobile X-ray table and bucky stand

Stand 55 x 45 x 202 cm, 12.5 kg

Highlights
- Collapsible X-ray table for maximum mobility
- Integrated bucky and grid holder moveable
- Smooth movement with dirigible wheels
- Stable bucky stand for thorax and all standing X-ray images
- Adjustable height of detector – from 18.5cm to 200 cm
- Foldable base for easy transportation and space-saving storage
- Easy to clean and desinfectant proof
- For all cassette sized detectors or CR plates

Mindray Medical · DigiEye 280 DR System

Power 30 kW / 50 kW
Detector Cesium Iodide Scintillator
Pixel size 140 µm
Size 35 x 43 cm; Portable

Highlights
- Integrated high voltage generator design
- The highest frequency generator 460 kHz
- Unique LEVELS image post-processing technology
- Limited installation requirement
- Flexible configuration with portable detector

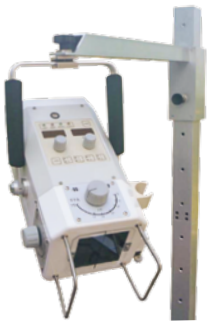
Mindray Medical · DigiEye 760 Pro DR System

Power 50kW / 65kW
Power 40-150 kV
Detector CsI / TFT
Pixel Size 143 µm

Highlights
- Compact and low-cost-efficiency ceiling suspending DR system
- More flexible configuration of output and patient table
- Wire / wireless FPD with different sizes
- More efficient parallel exam mode
- High image quality at low dose
- Panoramic Imaging Technology

PRIMAX International · PRIMO – SPL HF

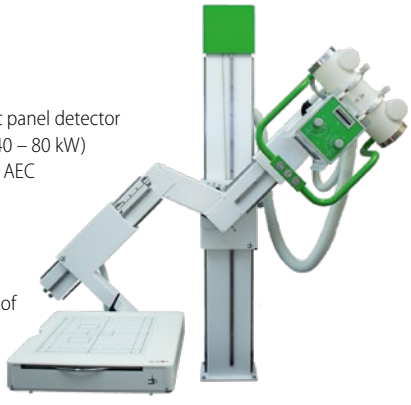
System concept Complete DR X-Ray System with wireless flat panel
Power 4 or 8 kW
KV Range Up to 125
mAS Range Up to 250



Highlights
- Suitable for any outdoor application (emergencies, countryside, military issues...)
- Foldable and easy to transport in suitcases
- Lightweight innovating WIFI portable detector for free projections
- Complete Portable and touch screen acquisition Station
- Intuitive images export via USB port

PROTEC · PEDS 600

Power 40 / 50 / 65 / 80 kW
Detector Different panel and scintillator versions, max. 43 x 43 cm
Pixel size e. g. 127 µm



Highlights
- DR-System with digital flat panel detector
- PROVARIO HF generator (40 – 80 kW)
- Anatomical programs and AEC
- Variable SID 110 – 200 cm
- Rotatable U-arm – 30° up to +135°
- Rotatable DR-detector
- System operation, control of generator and software applications combined in one console

PROTEC · PRS 500 F (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different single or dual panel systems, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- Integrated state-of-the-art touch concept
- Radiographic positioning aid directly at the system
- Patient selection, job selection and generator control at integrated touch-screen
- First preview at the system immediately after the exposure
- Outstanding ease of use due to ideal workflow, simple handling and the selection of the patient at the X-ray system directly

PROTEC · PRS 500 E (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different single or dual panel systems, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- PROVARIO HF generator integrated into the table (40 – 80 kW)
- APR and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Floating carbon fibre table top
- Adjustable height combined with undertable generator
- Fully digital DR-System with flat panel detector technology, different configurations from single to dual detector systems

PROTEC · PRS 500 X (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different panel and scintillator versions, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- Easy system handling and positioning due to its optimum weight counterbalance concept
- Maximum flexibility and workflow efficiency
- Outstanding variability and extensibility in case of changing application requirements (e. g. upgrading with extended floor-rail)
- Fully digital X-ray generator connection by CONAXX image acquisition software
- Also available as TOUCH Version (see PRS 500 F / E)

PROTEC · PRS 500 B

Power 40 / 50 / 65 / 80 kW
Detector Different single or dual panel systems, max. 43 x 43 cm

Highlights
- Motorized X-ray system with auto-tracking function
- Trend-setter for radiological centers, clinics and hospitals
- Integrated sophisticated autotracking functions – the system enables the user a comfortable, fast and efficient daily workflow
- 360° rotation of the entire X-ray tube stand for a maximum of application flexibility
- Fully digital auto stitching

PROTEC · PRS 300 VET Touch

Power 2.4 to 32 kW
Table floating

Highlights
- Fully digital all-rounder for any veterinary
- „Hybrid" solution for mixed practices: mobile generator (up to 5 kW) can be easily removed for onsite examinations
- Stationary X-ray solution for small animal practices and clinics, powerful 32 kW generator
- Touch monitor direct at the system, allows user friendly operating while acquisition and diagnosis

Samsung · GC85A

Design Ceiling DR System
Power 50 / 52 / 80 / 82 kW
Detector S4343-W, S4335-W, S3025-W
Pixel size 140 µm

Highlights
- Low dose* in new S-Vue for excellence in image quality and better patient safety
- S-Detector with high DQE and varying sizes for optimal use
- Fully automated operation along with the THU, motorized wall stand and patient table
- S-Align to ensure precise alignment for high image quality
- Smart Stitching with S-Guide* for diagnostic convenience (*option)
- S-Share for compatibility with Samsung DR systems to support continuous operation
- Advanced applications: SimGrid*, Bone Suppression* (*option)

** The claim concerning low dose in GC85A is based on limited phantom and clinical study results. Only routine PA chest radiography for average adults were studied, excluding pediatric patients.*

Shimadzu · RADspeed DR

Power 50 / 65 / 80 kW
Detector Flat panel detector (a-Si)
Pixel size 160 / 125 µm

Highlights
- Flexible choice of different flat panel detectors
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration
- Size: 17" x 17" (43 x 42 cm)
  14" x 17" (35 x 43 cm)
  9" x 11" (23 x 28 cm)

DR

Shimadzu · RADspeed DR wireless*

Power 50 / 65 / 80 kW
Detector Flat panel detector (a-Si)
Pixel size 125 µm

Highlights
- New generation with wireless flat panel detector
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration
- Size: 17" x 17" (43 x 42 cm)
  14" x 17" (35 x 43 cm)
  14" x 11" (35 x 27 cm)

** System configuration available in selected countries only*

Shimadzu · RADspeed Pro V4

Power 80 / 65 / 50 kW
Detector 17" x 17", 14" x 17"
Pixel size 139 µm

Highlights
- Fully integrated operation system
- Flexible and easy to use X-ray tube support
- Various FPD line-up: 17" x 17" / 14" x 17" (portable wired, wireless)
- Synchronized functions: auto positioning, auto tracking, auto collimation, speed stitching
- Comprehensive dose management

Shimadzu · RADspeed Pro EDGE

Power 50 / 65 / 80 kW
Detector 43 x 43 cm integrated, 43 x 35 cm portable
Pixel size 150 µm

Highlights
- High-performance digital radiographic system with extended functionality
- Tomosynthesis (Digital multi-slice tomography)
- Auto-stitching (Speed Stitch function)
- Dual Energy Subtraction
- Auto-positioning
- Innovative flat panel detectors for increased versatility
- Low dose collimator with auto-filtering feature

Siemens Healthineers · Multitom Rax

Design Ceiling-mounted robotic tube **and** detector
Detector a-Si / CsI
Size RAX detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
The world's first Twin Robotic X-ray scanner enables streamlined clinical pathways while improving diagnostic insights and treatment.
- Offers a multitude of X-rays – in just one room
- Lets you see reality with natural Real 3D – for the first time
- Let the robots move – not your patients
- Defines standards easily – and multiplies your productivity

Siemens Healthineers · Ysio Max

Power 65 / 80 kW
Detector a-Si / CsI
Size MAX wi-D 43 x 35 cm, MAX mini 24 x 30 cm, MAX static 43 x 43 cm, all 148 µm

Highlights
- Streamline workflows with unique automation for fast and safe system positioning
- Standardize outcomes to obtain consistently high image quality for all patients
- Tailor the modular system to precisely meet your requirements
- The MAX effect - where gains multiply: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction

Siemens Healthineers · Multix Fusion Max

Power 55 / 65 / 80 kW
Detector a-Si / CsI
Size MAX wi-D 43 x 35 cm, MAX mini 24 x 30 cm, MAX static 43 x 43 cm, all 148 µm

Highlights
- Fast, high-quality results – easy positioning with tube tracking and MAX image quality
- Low costs over lifetime – in-tray detector charging and sharing over multiple MAX systems
- Consistent performance – high-quality components adapted from Ysio Max
- Ortho Fusion – for long leg and long spine images
- The MAX effect: combine with other MAX systems for additional benefits in terms of standardization, savings and satisfaction

Siemens Healthineers · Multix Select DR

Power 55 kW
Detector aSi / GOS
Size 35 x 43 cm, 139 µm

Highlights
- Robust mobile flat detector to cover the full spectrum of clinical applications
- Imaging system from Siemens Healthineers' high-end product line (e. g. Ysio Max, Multix Fusion) enhanced by DiamondView Plus
- Intelligent automation with organ preset programs to speed setup and improve reproducibility
- High system reliability and availability
- Economical minimum space requirement of only 11 sqm with an integrated generator

STEPHANIX · RAD Series Pro DReam

Design Customizable floor tubestand RAD room
Technology Up to 3 Flat Panel Detectors, indirect conversion
Detector Fixed and wireless solutions

Highlights
- Manual or vertical tracking version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Possibility to share wireless detectors with different Stephanix modalities

STEPHANIX · Xtreme DReam

Design Customizable ceiling RAD room
Technology Up to 3 Flat Panel Detectors, indirect conversion
Detector Fixed and wireless solutions

Highlights
- Manual, vertical tracking or autopositioning version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Possibility to share wireless detectors with different Stephanix modalities

STEPHANIX · Statif Pro DReam

Design Universal autocentred C-arm DR unit
Detector Full-field or portable flat panel detector
Motorized Automatic positioning, collimation, filtration, parameters
Table Optional carbon or elevating tabletop, on wheels

Highlights
- Low footprint for wide range of procedures at standing, sitting or lying patient
- C-arm shaped for cross exams
- Autopositioning regarding each protocol
- Automatic and virtual collimation, additional filtration
- User-friendly interface
- Wireless remote

STEPHANIX · Statif DReam

Design Cost-efficient universal autocentred DR unit
Detector Full-field or portable flat panel detector
Table Optional carbon or elevating tabletop, on wheels

Highlights
- Multipurpose DR solution for small budgets
- It can be dedicated to chest and extremities examinations
- Low footprint for wide range of procedures at standing, sitting or lying patient
- Manual or motorized (SID and vertical movement)
- User-friendly interface

DR

Swissray · ddRAura U

Power 50 / 65 / 80 kW
Detector a-Si CsI, 43 x 43 cm
Pixel size 148 / 139 µm

Highlights
- Unlimited APS – Automated Positioning System
- Image display in 3 seconds
- 9.7" tube mounted touchscreen interface
- Single or dual detector options
- Off detector / Off center imaging
- Wireless handheld remote control or footswitch
- Small footprint
- Single focus stitching option

Swissray · ddRAura S

Power 50 / 65 / 80 kW
Detector a-Si CsI, 43 x 43 cm
Pixel size 148 / 139 µm

Highlights
- Multifunctional system for all radiography examinations
- Motorized height and SID adjustment
- Effortless manual rotation of straight-arm, detector and tube
- Perfect solution for high throughput chest screening programs
- Various generator power incl. energy assist
- Touch screen workstation with unlimited APR programs
- Multi language capability
- Robust design, maintenance friendly
- Fits into very small examination rooms

Swissray · ddRAura OTC / APS

Power 50 / 65 / 80kW
Detector a-Si CsI, 43 x 43 cm and 35 x 43 cm WIFI
Pixel size 148 / 139 µm
System concept Automated Ceiling suspension DR-System

Highlights
- Advanced robotics for automated system positioning
- Tube side 9.7" touch screen for procedure selection, system positioning, generator control and image preview
- Intuitive workflow optimized user interface
- Customizable fixed or wireless detector option
- Detector sharing option within ddRAura products
- Single Focus Stitching feature
- Multi language capability

Swissray · ddRAura FMTS

Power 50 / 65 / 80 kW
Detector a-Si CsI, 43 x 43 cm and 35 x 43 cm WIFI
Pixel size 148 / 139 µm
System concept Multifunctional Bucky-Table System

Highlights
- Multifunctional Bucky table system with fixed or motorized height adjustment
- Effortless movements for precise positioning
- FollowMe feature provides tracking to table and wall stand
- Exceptional low X-ray beam for standing exams
- Single or multi detector capability
- Touch screen workstation with unlimited APR programs
- Manual single focus stitching option
- Multi language capability

VILLA SISTEMI MEDICALI · Armonicus

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 43 x 43 cm
Pixel size 143 µm

Highlights
- Cost-effective DR U-arm system for extended use, including general radiographic and orthopedic studies
- Easy patient positioning via APR functions
- Auto-positioning capabilities according to RIS procedure codes
- Touch screen control panel, secondary keyboard and infrared remote control as standard
- Variable Source to Image Distance up to 180 cm
- On-board parking station for two grids

VILLA SISTEMI MEDICALI · Moviplan iC with ceiling suspension

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm or 43 x 43 cm
Pixel size 100 µm or 143 µm

Highlights
- High-end solution allowing great application flexibility and high production capacity
- Touch Screen interface integrated on tube-head
- Tiliting chest stand with special horizontal positioning for exams on mobile stretchers
- Rapid and precise system positioning thanks to full auto-tracking and autopositioning
- Available with stitching and dual energy functions

VILLA SISTEMI MEDICALI · Moviplan iC with floor-mounted column

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm or 43 x 43 cm
Pixel size 100 µm or 143 µm

Highlights
- Innovative design with no unsightly cables
- Anti-collision system and reduced thickness rails
- Table commands with distinctive "light barrier"
- Touch Screen interface integrated on tube-head for immediate inputs
- No patient limitation thanks to high weight capacity
- Electronic tomography with free selection of angle
- Available with stitching, auto-positioning, dual energy functions

DR RETROFIT

Agfa · DR 14s detector

Size 46 x 38,4 x 1.5 cm
System concept Wireless
Detector Cesium Iodide (CsI) detector conversion screen
Pixel size 125 µm

Highlights
- Extremely long battery autonomy of up to eight hours
- MUSICA processing for excellent contrast detail & exam-independent, consistent image quality
- Choice of Cesium Iodide (CsI) or Gadolinium Oxy-Sulphide (GOS) detector scintillator
- Improved workflow & examination speed
- Lightweight, small, high resolution Automatic Exposure Detection (AED) detector
- Offers optimal convenience & portability
- High DQE & optimal pixel size, for low dose examinations
- Easy to clean & disinfect

Canon · DR-Upgrade-within-2-minutes

System concept DR Upgrade within 2 minutes
Design 2 components
Resolution 125 µm
Cassette size 43 x 42 cm, 35 x 43 cm, 27.4 x 35 cm

Highlights
Easy upgrade solution for any X-ray system in two minutes using just two components
- No connections or modifications to your existing X-ray system is necessary
- Easily add DR to any X-ray system using just 2 lightweight components
- Simply pick up and move to any X-ray system
- Optional integrated USB DAP Meter
- CXDI-410C/710C/810C Wireless Flat Panel Detector
- DR Upgrade within 2 minutes. Freedom within reach

Canon · CXDI-410C / 710C / 810C Wireless

Technology Cesium Iodide Scintillator
Resolution 125 µm
Cassette size 27.4 x 35 cm, 35 x 43 cm, 43 x 42 cm

Highlights
New wireless flat panel detector range
- Ultralight wireless detectors
- Increased durability by strong carbon fiber construction techniques
- New sleek ergonomic detector design for easy hold, easy handle and easy position
- New docking station for detector check-in, detector battery charging and image transfer
- Waterproof (IPX7)
- Equipped with on-board memory where 99 images can be stored (in stand-alone-mode)

DMS Imaging · EZ2GO

Design DR upgrade mobile in 2 minutes
System concept 2 components
Detector 36 x 43 cm or 24 x 30 cm

Highlights
- Connect up to 3 wifi flat panel detectors
- Image preview in 2 s and image acquisition in 4 s
- 8 h battery / autonomy
- The cassette size of the detector allows upgrade everywhere in the hospital
- Ideal for control exams for bedridden patients
- The lightiest solution of the market (3.9 kg tablet & detector)

DR RETROFIT

Konica Minolta · AeroDR Premium

Technology Portable Digital X-ray Detector
Cassette size 14 x 17" / 35 x 43 cm
Detector CsI scintillator

Highlights
- Lightweight, only 2.6 kg
- Improved cycle time for increased throughput
- Robust: surface load of 300 kg
- AED – Hybrid detection technology
- Waterproof IPX6, this makes the detector suitable for more extreme environments
- Konica Minolta's unique capacitor technology: quick charging (30 minutes), no overheating

Konica Minolta · AeroDR 2S

Technology Portable Digital X-ray Detector
Cassette size 14 x 17" / 35 x 43 cm
Detector CsI scintillator

Highlights
- Konica Minolta's lightest 14 x 17" detector on the market at just 2.5 kg
- Robust, IPX6 waterproof, carbon monocoque housing
- Full image acquisition within four seconds only
- Charging time of only 13 minutes
- AeroSync

Konica Minolta · AeroDR HD

Technology Portable Digital X-ray Detector
Detector CsI scintillator
Pixel size 100 µm
Weight 2.6 kg

Highlights
- Pixel size: 100 µm – High Definition
- Able to display micro structures
- Better visibility of bone trabecular
- No "pixel shape" when zooming in
- Lightweight for easy handling: 2.6 kg
- Load resistance of 400 kg
- 130 kg bending resistance
- 2 second preview
- Waterproof IPX6

medigration · DR Retrofit-Kit DX|Vision

Pixel size 148 µm, 16 bit
Detector a-Si, CsI Pixium, 35 x 43 cm
System concept Wireless, portable detector with WLAN and Battery

Highlights
Your upgrade to fully digital radiography
- Easy integration into an existing X-ray system
- 100 % touch-capable user interface
- Cordless and lightweight wireless flat panel detector
- For the use with mobile X-ray systems
- Auto-trigger mode (AED function) – No need to synchronise with the generator
- Excellent image quality through an integrated operating program with HARMONY image processing

PROTEC · RAPIXX tethered / mobile detectors

System concept Portable, tethered
Detector 43 x 36 cm or 43 x 43 cm, different scintillator versions
Pixel size e. g. 127 µm

Highlights
- 16 bit dynamic range
- Cable connection, lightweight: 3.7 kg
- Predestined for simple retrofitting of existing X-ray units due to dimensions equal to conventional X-ray cassette (ISO 4090 compliant)
- High shock tolerance portable flatpanel detector
- Interface box, power supply and CONAXX 2 image acquisition software included in standard delivery – fully DICOM compatible for integration to PACS

PROTEC · RAPIXX fix installed detectors

System concept Stationary, tethered
Detector 43 x 43 cm, different scintillator versions
Pixel size e.g. 139 µm

Highlights
- 16 bit dynamic range
- Cable connection
- Minimal cycle time: 6 s
- For integration and upgrade into existing conventional X-ray units / intended for constant mounting in a X-ray unit
- Interface box, power supply and CONAXX 2 image acquisition software included in standard delivery
- Fully DICOM compatible for integration to PACS

PROTEC · RAPIXX WiFi detectors

System concept Wireless, portable detectors
Detector 43 x 36 cm or 43 x 43 cm, different scintillator versions
Pixel size e. g. 127 µm

Highlights
- Complete set of wireless detector incl. two batteries, CONAXX 2 DR-software (X-ray generator connection as option)
- Detectors are ISO 4090 compliant, existing Bucky can be used for DR retrofit
- Just one flatpanel required for integration into bucky table + wall stand
- 16-bit dynamic range and high DQE for excellent image quality in 3 sec
- Lightweight: < 3.0 kg

Rayence · 1012, 1417, 1717 WCC / WGC

Detector type Wireless Digital X-Ray Detector
Scintillator CsI or Gadox
Size & weight* 10 x 12" (1.68 kg), 14 x 17" (3 kg), 17 x 17" (3.49 kg)
Pixel size 127 µm (optional 140 µm)

*incl. Battery

Highlights
- Retrofit ready
- Water and dust resistant (IP66)
- Ergonomic design
- Highly visible OLED-display
- High DQE, superb image quality
- Housing made of carbon & magnesium
- Surface load up to 661 lbs (300 kg)
- AED (Automatic Exposure Detection)
- Preview image in 2 seconds

Rayence · 1717 SCC / SGC

Detector type Wired Digital X-Ray Detector
Scintillator CsI or Gadox
Size & weight 17 x 17" (4.4 kg)
Pixel size 127 µm (optional 140 µm)

Highlights
- Retrofit ready
- Economical digital solution
- High DQE, superb image quality
- AED (Automatic Exposure Detection)
- Preview image in 2 seconds

STEPHANIX · Nomad DReam

Design Portable acquisition console and wifi FPD
Detector Wireless, auto-trigger mode

Highlights
- To get easily the digital benefits in analog x-ray rooms and mobile units
- No modification or Generator connection
- Several panel brands and sizes are available
- Advanced functions: APR, post-processings
- DICOM connectivity
- Shareable solution with other Stephanix modalities

Swissray · ddRAura DRiveKit

System concept Truly portable digital Radiography upgrade
Detector a-Si CsI, 35 x 43 cm or 24 x 30 cm WIFI
Pixel size 148 / 139 µm
kV Range 40 – 150 KV

Highlights

Fix workstation:
- 23" DICOM touch screen monitor
- Cristal clear digital images, available in less than four seconds
- Fixed or wireless detector combination options
- Fully integrated DR workstation with generator control option

Portable workstation:
- Medical grade windows OS tablet with 10" touch screen display
- ddRAura user interface
- Less than 1 kg weight
- Withstands drops of up to 1.5 m
- Docking station with 23" monitor option

DR RETROFIT

Toshiba Electron Tubes & Devices · FDX 2530 RPW

System concept Wireless flat panel detector
Detector CsI / Tl, 25 x 30 cm
Pixel size 140 µm

Highlights
- Wireless compact FPD
- Incorporates Toshiba's proven advanced fine CsI / Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI / Tl screen
- Automatic switching between wireless/tethered mode
- Short cycle time (less than 10 s)
- Recharging in tethered mode
- Detachable cable connector
- Lightweight: 1.7 kg
- AED available
- Compact and lightweight battery recharger

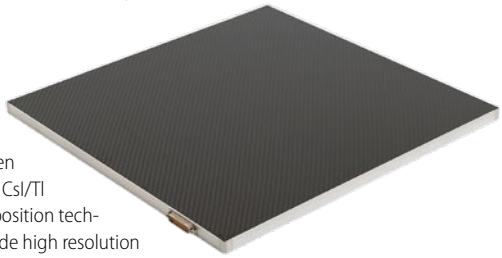
Toshiba Electron Tubes & Devices · FDX 3543 RPW / FDX 4343 RPW

System concept Wireless flat panel detector
Detector CsI / Tl, 43 x 43 cm, 35 x 43 cm
Pixel size 140 µm

Highlights
- Wireless type Portable FPD
- Incorporates Toshiba's proven advanced fine CsI / Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI / Tl screen
- Standard cassette size
- Automatic switching between wireless / tethered mode
- Short cycle time (less than 10 s)
- Recharging in tethered mode
- Detachable cable connector
- Compact and lightweight battery recharger

Toshiba Electron Tubes & Devices · FDX A4343R

System concept Static flat panel detector
Detector CsI / Tl, 43 x 43 cm
Pixel size 140 µm



Highlights
- Toshiba's proven advanced fine CsI/Tl and direct deposition technologies provide high resolution and high contrast.
- The reflective coating in the CsI / Tl screen provides high sensitivity.
- Standard cassette size
- Prompt display of preview / full images and short cycle time enable fast image acquisition.
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation.
- AED available

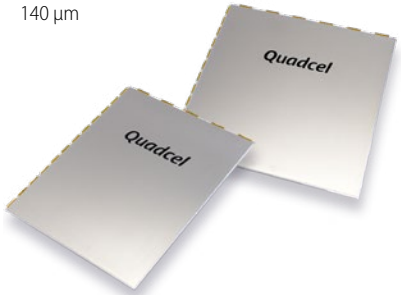
Toshiba Electron Tubes & Devices · FDX 3543 RP

System concept Portable flat panel detector
Detector CsI / Tl, 35 x 43 cm
Pixel size 143 µm

Highlights
- Toshiba's proven advanced fine CsI / Tl and direct deposition technologies provide high DQE and excellent resolution.
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation.
- Compact and lightweight for easy handling
- Standard cassette size
- Prompt display of preview/full images and the short cycle time enable fast image acquisition.

Toshiba Electron Tubes & Devices · FM3543S-D6T / FM4343S-D6T

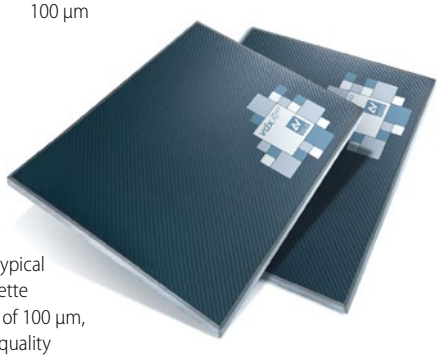
System concept TFT Panel with CsI & IC
Detector CsI / Tl, 35 x 43cm, 43 x 43cm
Pixel size 140 µm



Highlights
- FPD Module(TFT Panel with CsI & IC)
- Incorporates Toshiba's proven advanced fine CsI / Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI / Tl screen
- World Leading Image Quality
- Fast solution for high performance in cassette-sized FPD
- Distinguished Unique FPD
- Extraordinary Performance
- Minimum cost and shortest time

VILLA SISTEMI MEDICALI · VDX 3543PW

System concept Wireless
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm
Pixel size 100 µm



Highlights
- Complete cordless positioning freedom, typical of a conventional cassette
- Outstanding pixel size of 100 µm, for the highest image quality
- Auto-triggering mode: the detector automatically synchronizes the acquisition once the X-ray source starts the emission
- System equipped with battery charger and two batteries as standard
- Enhanced productivity with DICOM functions

VILLA SISTEMI MEDICALI · VDX 3543TC

System concept Wired
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm
Pixel size 143 µm

Highlights
- Portable lightweight design flat panel fitting into existing bucky without modification
- Increased workflow
- Cost-effective solution, integrating a tether cable for both detector powering and image transferring
- Easy handling from chest stand to bucky table for upright, in-table, lateral and out of bucky exposures
- Enhanced productivity with DICOM functions

VILLA SISTEMI MEDICALI · ArtPix EZ2GO

System concept Wireless
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm
Pixel size 148 µm

Highlights
- Plug-and-play solution for immediate upgrade to digital radiography
- Lightweight and portable acquisition system based on Wi-Fi Flat Panel detector and tablet
- Extreme flexibility and ease of use thanks to wireless connections
- Multi-use solution for shared use with general radiographic systems and mobile units
- Powerful acquisition software complete with post-processing tools and DICOM functions

MOBILE DR

Agfa · DX-D 100+ (mobile)

Motorized Up to 4 km / h
Technology Wireless - Amorphous Silicon Detector (a-Si)
mAs Range 100 – 500 mA selectable
kV Range 40 to 150 kVp

Highlights
- Easy operation, security and precision of all patientrelated positioning movements
- MUSICA processing provides superior contrast detail and consistent, exam independent image quality
- Fully motorized, with superior battery capacity due to split battery concept
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Wireless and tethered detectors available

Canon · Mobirex

Power 40 kW

Highlights
- Mobile X-ray systems are used around hospitals regularly to perform radiography on patients who cannot easily get to an X-ray room.
- Canon is proud to introduce a new generation mobile X-ray system equipped with a wireless portable flat panel detector (FPD).

Solutions for tomorrow · !M1 – Powered by Canon DR

Detector Canon CXDI-series, high resolution DR detectors
Resolution 125 µm
Power 20, 32 or 40 kW
Motorized Motorized collapsible column support

Highlights
Setting a new standard in mobile X-ray
- Smallest and lightest
- Battery operating time up to 9 hours
- 10 min charging – 1 hour operation time
- 8 years battery warranty
- Easy to clean
- Ready to use within 10 seconds
- Height and reach adjustable drive handle
- Remote diagnostic

DMS Imaging · RAFALE B EZ

Power 32 kW
Detector 35 x 43 cm
kV Range 40 to 125 kV
mAs Range 0.1 to 320 mAs

Highlights
The Rafale B EZ is a battery powered mobile X-ray unit featuring the EZ detector and integrated acquisition station which suits a wide range of clinical applications. Its compact size and integrated motor makes the unit movement smooth and precise. Thanks to telescopic tube arm and swivelling column it is able to easily move even in the hospital's smaller rooms.

MOBILE DR

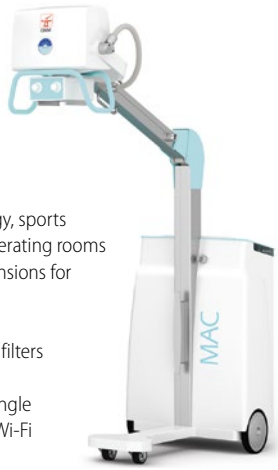
GE Healthcare · Optima XR240amx

Motorized	Yes
Power	30 kW
kV Range	50 – 125
mAs Range	0.2 – 630

Highlights
- Easy positioning - only 65 cm wide
- Ultra-high resolution and dose efficiency of FlashPad HD detector
- HELIX advanced image processing
- QuickConnect – adaptive wireless connectivity
- QuickCharging – dual in-bin detector charging

GMM · MAC – Mobile radiographic unit

Design	DR mobile unit with HF generator



Highlights
- Operational efficiency in general radiology, sports medicine, emergency, intensive care, operating rooms
- Compact unit with reduced overall dimensions for ease of transport and positioning
- Monoblock HF generator
- Collimator with LED lamp and additional filters
- Advanced touch screen user interface
- Different configurations available: with single detector (wired or Wi-Fi) or with double Wi-Fi detector

Konica Minolta · AeroDR X30

Power	20, 32, 40, 50 kW
kV Range	40 – 150 kVp
mAs Range	Up to 500 mAs
Detector	CsI Scintillator

Highlights
- Fully integrated digital mobile X-ray system
- Completely motorized and very easy to manoeuvre: can be controlled with one hand
- The AeroDR detector can easily be stored and at the same time automatically charged in the bin, even during driving
- 100 % wireless communication for effortless usage at patient's bedside
- Retractable, telescopic column
- Detector sharing with X-ray rooms

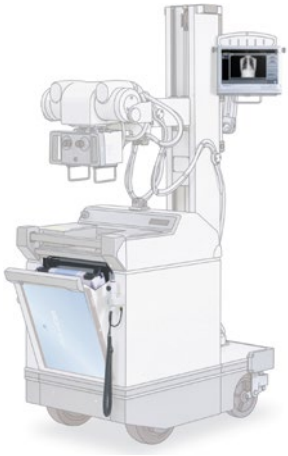
Konica Minolta · AeroDR X10

Power	26 – 32 kW
kV Range	40 – 125 kVp
mAs Range	0.1 – 220 mAs
Detector	CsI Scintillator

Highlights
- Fully integrated digital mobile X-ray system
- The AeroDR detector can easily be stored and at the same time automatically charged in the bin
- 100 % wireless communication for effortless usage at patient's bedside
- Detector sharing with X-ray rooms

Konica Minolta · AeroDR Portable Solution

System concept	WLAN
Detector	AeroDR CsI FPD 10" x 12" / 14" x 17" / 17" x 17"
Pixel size	175 µm



Highlights
- Easy upgrade of existing portable unit to DR
- Improves your workflow
- Wireless
- Portable CS-7 console for image checking on the spot
- Preview in three seconds
- AeroDR detector sharing between portable unit and X-ray room

medical ECONET · meX+100

System Concept	Portable X-ray
Power	5 kW, 110 kV / 100 mA
mAs Range	0.1 – 100 mAs in 40 steps
kV Range	40 – 110 kV in 1 kV steps
Size	254 x 225 x 423 mm, 19.6 kg

Highlights
- High-performance capacitor for stable and reliable power supply
- Anatomic programme with 750 pre-set technique slots (PROM memory)
- LED display for set up up of kV and mAs
- Constant X-ray output without influence of line power fluctuation
- Automatic line voltage compensation

medical ECONET · meX+20BT lite

System concept	Hybrid powered portable X-ray
Power	1.6 kW, 90 kV / 20 mA
mAs Range	0.4 – 20 mAs in 25 steps
kV Range	50 – 90 kV in 1 kV steps
Size	203 x 174 x 307 mm, 7.2 kg

Highlights
- HYBRID: Device can be operated by internal battery or external power supply
- LED collimator light
- High performance lithium-ion polymer battery
- Up to 560 exposures by just one charging
- Fully charge only within four hours
- Great advantage for outdoor radiography
- Exclusive remote controller using by hand switch
- Optional: Bluetooth interface for generator control

medical ECONET · meX+40BT

System concept	Hybrid powered portable X-ray
Power	2.4 kW, 100 kV / 35 mA
mAs Range	0.4 – 100 mAs in 35 steps
kV Range	40 – 100 kV in 1 kV steps
Size	250 x 214 x 349 mm, 14.2 kg

Highlights
- HYBRID: Device can be operated by internal battery or external power supply
- Universal unit with high power for various radiography applications
- Great advantage for outdoor radiography
- Up to 650 exposures by just one charging
- LED collimator light
- 21 pre-set technique slots (PROM memory)
- Exclusive remote control functions by hand switch
- Optional: Bluetooth interface for generator control

medical ECONET · POX-100BT

System concept	Hybrid powered mobile X-ray
Power	5 kW, 110 kV / 100 mA
mAs Range	0.1 – 100 mAs in 40 steps
kV Range	40 – 110 kV in 1 kV steps
Size	633 x 1,364 x 748 mm, 125 kg

Highlights
- HYBRID: Device can be operated by internal battery or external power supply
- Functional design for mobile application
- Smooth movement with dirigible wheels
- User-friendly LED-operation panel
- 30 pre-set technique slots (PROM memory)
- Foldable and easy to transport
- Optional: Mounting kit for tablet PC

Mindray Medical · MobiEye 700 Mobile DR System

Detector	CsI +TFT 35 x 43 cm
kV Range	40 – 150 kV
Power	30 kW / 50 kW
Pixel size	140 µm

Highlights
- Marvelous Mobility with intelligent operation
- Bionic design manipulator with eight high flexible mechanical joints
- Superior Power management technology
- Remote motion control and remote exposure control
- 19 Inch Multiple-touch Screen
- Lighter and smaller
- High reliability and compatibility
- Detector auto-charging

PRIMAX International · RAYBOW DR

System concept	Battery powered, manual or motorized movement
Power	40 kW
Detector	Wireless ultralight generation flat panel

Highlights
- Lightweight unit for easier displacement
- Manual or motorized with "dead man" braking system
- Arm rotation around vertical axis
- User friendly touchscreen interface
- Wireless image transmission
- Image export via DICOM CD or USB key
- DICOM 3

MOBILE DR

PROTEC · PROSLIDE 32 B

Power 32 kW
Detector different panel and scintillator versions
Pixel size e. g. 127 µm

Highlights
- High-end motorized mobile X-ray system
- Powerful 32 kW generator for comprehensive application range
- Telescopic arm enables perfect positioning even in difficult conditions
- Front sensors to avoid collision
- System autonomy of > 8000 mAs

PROTEC · PROSLIDE 32 SR

Power 32 kW
Detector different panel and scintillator versions
Pixel size e. g. 127 µm

Highlights
- Very compact light-weight unit
- Powerful 32 kW generator for comprehensive application range
- Rotation arm enables outstanding handling flexibility
- Touchscreen operation with fully digital DR configuration

Samsung · GM85

Power 32 / 40 kW
Detector S4343-W, S4335-W, S3025-W
Pixel Size 140 µm

Highlights
- Compact and light design which allows access to tight spaces and even elavators
- Safe navigation with soft driving control and collapsible column
- S-Vue imaging engine for diagnostic confidence
- S-Detector with high DQE and varying sizes for optimal use
- S-Align to ensure precise alignment for high image quality
- Pediatric exposure management and Auto-filter function for precise dose control
- SID Guide with multiple settings to aid precise device positioning
- Advanced applications: SimGrid*, Bone Suppression*, Tube and Line Enhancement (*option)

Shimadzu · MobileDaRt Evolution MX7

kV Range 40 – 133 kV
Power 32 kW
Detector CsI
Pixel Size 125 µm

Highlights
- High-sensitive FPD generation
- Imaging area: 17 x 17" (43 x 42 cm)
  17 x 14" (43 x 35 cm)
  14 x 11" (35 x 27 cm)
- Multiple FPD connectivity for maximum efficiency
- X-ray images within two seconds
- Energy saving collimator with a bright irradiation field through LEDs
- Easy and advanced operating functions

Shimadzu · MobileDaRt Evolution MX7 – pediatric version

kV Range 40 – 133 kV
Power 32 kW
Detector CsI
Pixel size 125 µm

Highlights
- High-sensitive wireless FPD type CXDI-810C (CsI, 14 x 11")
- Handling benefit through easy placement, e.g. in standard incubators
- X-ray images within two seconds
- Easy and advanced operating functions
- Energy saving collimator with a bright irradiation filed through LEDs
- Fully DICOM compliant
- WLAN connectivity
- mAs range: 0.32 – 320

Shimadzu · MobileDaRt Evolution MX8

kV Range 40 – 133 kV
Power 32 kW
Detector CsI
Pixel Size 125 µm

Highlights
- Motor-driven, compact system with collapsible column for easy positioning
- Easy and advanced operating and safety functions
- High-sensitive, light-weight, durable and water proof FPD generation
- Imaging area: 17 x 17" (43 x 42 cm)
  17 x 14" (43 x 35 cm)
  14 x 11" (35 x 27 cm)
- Multiple wireless FPD connectivity for maximum efficiency
- X-ray images within two seconds

Siemens Healthineers · Mobilett Mira Max

Design High-end, fully digital mobile X-ray system
Power 35 kW, 450 mA (max.)
kV Range 40 – 133

Highlights
Your mobile imaging companion
- Flexible to meet your challenges – exceptional arm range and precise movements
- MAX image quality in every situation – low-weight MAX detectors and high imaging power
- Always ready to assist you – unique charging concept and multiple detector swapping options
- Ready-to-go design – works from mains power even when batteries are empty
- Enables high hygiene standards thanks to fully integrated tube arm cables

SIUI · SR-1000

Design Portable wireless DR system
Power 2.0 kW
Detector CsI; 14 x 17"
Pixel size 150 µm

Highlights
- Integrated design consisted of generator, wireless flat panel detector, workstation and carry case, perfect for most outdoor and emergency diagnosis
- Tube: Close-loop control technology
- Tube: automatic exposure parameter adjustment
- High power accuracy for high quality output of hard X-ray
- Built-in battery for more than 300 times exposure when fully charged
- Different stands facilitates different enviroments
- APP control

STEPHANIX · MOVIX 4 / 8 DReam

Power 4 / 8 kW
Design Foldable and transportable in a dedicated case
kV Range Up to 125 kVp

Highlights
- Lightweight, less than 100 kg
- Design for in /outdoor operation
- Well-suited for applications at patient bedside, traumatology, paediatrics
- Foldable system easy to store and to transport on field
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Secondary generator control console on monoblock tube head
- Shareable solution

STEPHANIX · MOVIX Series DReam

Power From 20 to 50 kW
Technology Batteries powered high frequency generator
kV Range Up to 150 kVp
mAs Range Up to 500 mAs

Highlights
- New ultra-compact and light design
- Motorized up to 5 km / h
- Independent from mains, only for batteries loading
- Telescopic column and arm, offering wide range of movements for easy positioning
- X-ray tube with rotating anode, thin dual focal spots and high heat capacity
- Color LCD touch screen 17"
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Shareable solution

Swissray · ddRCruze

Power 32 / 40 / 50 kW
Detector a-Si CsI, 35 x 43 cm WiFi, 2.8 kg
Pixel size 148 / 139 µm

Highlights
- Easy to maneuver motorized mobile X-ray system with variable speed
- 40 to 150 kV and 0.1 to 500 mAs output power
- Convenient and fast image acquisition from the bedside, the OR, ICU or ER room
- Telescopic column and tube arm for unrestricted maneuverability
- Additional tablet for image preview and generator control (option)
- Lightweight WIFI portable detector delivers superb IQ and maximum workflow efficiency

Technix · TMB 400 / TMB 400 DR

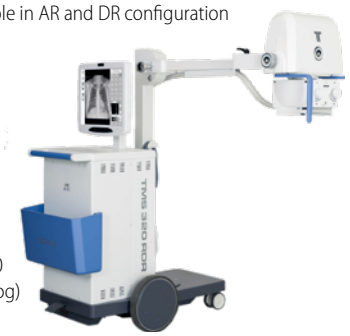
System concept Battery mobile X-ray unit
Motorized Yes
Power 40 kW
Detector Tethered or wireless FPD, also in pediatric size

Highlights
- Battery-motorized unit for easy maneuvering and bedside positioning
- Freeview technology thanks to telescopic column
- Battery powered X-ray exposures
- Two different versions: analog and digital
- X-ray Housing
- Compact design
- Telescopic arm
- Swiveling column
- Integrated generator
- Anatomical programs
- 19" touch screen user interface
- Full DICOM connectivity+WLAN
- Interfaceable with multiple detectors and imaging software

MOBILE DR

Technix · TMS 320 R / TMS 320 RDR

System concept Mobile X-ray unit
Design Compact design, lightweight
Power 32 kW
Image system Available in AR and DR configuration



Highlights
- Light and maneuverable unit with small footprint
- Efficient positioning at patient's bed thanks to the rotating arm
- Available in two versions: TMS320 RDR (digital) and TMS320 R (analog)
- Available also with fixed arm (TMS320 / TMS320 DR)
- Upgradable to DR on the field
- Multiple FPD and imaging software can be interfaced
- High level of detail of X-ray images
- 19" touch user interface
- Full DICOM connectivity+WLAN

Technix · TMS 300 DRH

System concept Mobile X-ray system for home-based radiology
Power 30 kW
Motorized Yes
Image system Analog or digital configuration available

Highlights
- 30 kW power for performing any kind of examination
- Small footprint for easy maneuvering
- Inclines automatically the load on stairs
- Motorized crawler tracks for easy transport on stairs
- Sturdy wheels for moving on long distances or uneven surfaces
- High quality DR images on easy-to-use tablet PC
- Several detectors and imaging software can be interfaced
- Immediate exam review and transmission to the reference hospital

VILLA SISTEMI MEDICALI · Visitor T30 M-DR

Motorized Yes
Power 32 kW
Detector Wired or wireless FPD, up to 43x43 cm

Highlights
- Motorized DR mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- 19" LCD touch screen user interface
- Full DICOM connectivity

VILLA SISTEMI MEDICALI · Visitor T30 C-DR

Motorized No
Power 32 kW
Detector Wired or wireless FPD, up to 43x43 cm

Highlights
- Compact and lightweight mobile DR unit
- High performance X-ray generator, tubehead with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM functions

VILLA SISTEMI MEDICALI · Visitor T30 R-DR

Motorized No
Power 32 kW
Detector Wired or wireless FPD, up to 43x43 cm

Highlights
- Mobile DR unit
- ± 90° rotating arm for flexible positioning of the unit
- High performance X-ray generator, tube-head with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM functions

VILLA SISTEMI MEDICALI · Visitor T40 M-DR

Motorized Yes
Power 40 kW
Detector Wired or wireless FPD, up to 43x43 cm

Highlights
- Motorized DR mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Powerful 40 kW generator for high productivity and performance
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- 19" LCD touch screen user interface
- Full DICOM connectivity

FLATPANEL FLUORO

Agfa · DR 800 (Fluoroscopy)*

** Not available in the US & Canada*

Highlights

Dynamic 3-in-1 direct radiography system offering real time images for fluorscopy, general radiography and direct exposures.

- Single touch, remote-controlled user-interface and table auto-positioning, improving workflow and maximizing patient comfort
- Wide range of fluoroscopy, general radiography and portable applications, incl. optional full leg/full spine and tomography
- Includes gold-standard MUSICA image processing for dynamic images

Canon · Raffine-i

Highlights

A busy department or clinic requires reliable technology that responds flexibly to a wide range of clinical demands with outstanding diagnostic performance. Raffine-i, Canon Medical's intelligent R/F system, covers an extensive diagnostic portfolio with high image quality, exceptional workflow efficiency and effective dosecontrol. The system's wide tabletop combines excellent mobility with the highest level of safety and comfort for both the staff and patients.

Canon · Ultimax-i

Power 80 kW
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector
Pixel size 148 µm

Highlights

- The Ultimax-i system provides a multipurpose digital X-ray system with a tilting C-arm table for multipurpose diagnostic applications and interventional radiology.
- An additional ceiling mounted X-ray tube can be combined. This system can be used for a wide variety of clinical applications.

Canon · Xantara

Pixel size 148 µm
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector

Highlights

- The Xantara system was designed to provide maximum flexibility for all types of exam rooms and for all types of exams.
- From the clean, sleek lines of the design, to the simplified all-in-one control console, to the mechanical ergonomics and elegance, the Xantara is the remote controlled table solution like you've never seen before.
- Source-to-Imager Distance 180 cm.
- Four-way movement of tabletop.
- Optional second X-ray tube, vertical Bucky stand and wireless FPD.

Canon · Zexira / FPD

Power 80 kW
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector
Pixel size 148 µm

Highlights

- General radiography abdominal / skeletal).
- Non-vascular contrast-enhanced studies of the spine, intervertebral disks, joint cavities, biliary tract, nerve block procedures, etc.
- Non-vascular IVR (ERCP, PTC, biopsy, ileus tube, etc.).
- Angiography (abdomen, shoulders, upper / slower trunk and cervical spine, etc.).
- Vascular IVR (simple angioplasty, maintaining the dialysis paths, etc.).

FLATPANEL FLUORO

NRT · Adora DRFi – Powered by Canon DR

Design Ceiling-suspended DR/RF system
Table Motorized, carbon fiber, floating top with 340° rotation
Detector Canon CXDI-50RF and high-resolution DR detectors

Highlights
Next generation high-end hybrid solution for all radiographic applications
- Efficient examination cycles and increased patient comfort
- Combines radiography, low dose fluoroscopy and serial imaging
- APR auto-positioning with up to 999 positions
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- Configurable controls to meet clinical requirements

NRT · Celex – Powered by Canon DR

Design Multi-purpose tilt C-arm system
Table Left or right side suspended; detachable table option
Detector Canon CXDI-50RF

Highlights
Next generation multi-purpose tilt C-arm solution
- Hybrid offering fluoroscopic, serial and radiographic imaging
- Table load capacity of 300 kg; best in class SID of 150 cm
- Intuitive controls, focus on ergonomics and patient comfort
- Save and restore any position – permanently or on the fly
- Detachable table option for maximum examination flexibility
- Small foot print and maximum work areas for staff

DMS Imaging · Optima

Design Digital Remote-controlled R/F system fully-motorized
Detector 43 x 43 cm, 148 µm, a-Si / CsI
Power 50 / 65 / 80 kW
Image system DRF & Analogic

Highlights
The Optima is designed to be effective and adapt to any type of budget.
- SID up to 180 cm
- Fully motorized tube rotation
- Patient coverage 195 cm with 2 ways and >270 cm with 4-way table top
- +90° / –30° motorized tilting table, this table performs all types of R/F examinations
- Innovative tilt / shift movement allowing 79 cm fixed height
- Optima Flex: the latest dRF version with extractable detector for "portable" mode

DMS Imaging · Platinum dRF

Design Digital Remote controlled fully motorized
Detector 43 x 43 cm, 148 µm, a-Si / CsI
Power 50 / 65 / 80 / 100 kW
Resolution 2,880 x 2,880 pixels, 3.4 lp / mm

Highlights
- True full access all around the table top for easy patient transfer
- 48 cm lowest table height for optimal patient loading
- Excellent image quality with lowest possible dose (SID 180 cm)
- All movements are motorized and independent for maximum configuration versatility
- Innovative control system based on PC server technology
- Innovative workflow options
- Available DRF & Analogic

GE Healthcare · Connexity

Power 65 / 80 kW
Detector a-Si, 43 x 43 cm
Pixel size 148 µm

Highlights
- System design with open, backside system access
- FFA variable 115 – 180 cm for max. investigation flexibility
- Patient convenience and safety through free patient access from four sides and height adjustment of the tabletop
- 43 x 43 cm flat detector
- Options: Wallstand, ceiling suspension with X-Ray tube and others

GMM · OPERA Swing – Multifunctional system with DFPD

Detector Amorphous silicon
Pixel size 148 µm
Size 43 x 43 cm

Highlights
- Highly integrated system for enhanced examinations in digital RAD and Fluoro procedures
- Extraordinary user-friendliness and operational efficiency in any application: E.R., digital angiography, Tomosynthesis, column-lower limbs Stitching, ect.
- Easy execution of lateral projections and oblique incidences also on stretchers
- Exams on tabletop or in direct contact with the detector

GMM · OPERA T90 Sharp – Remote-controlled system with DFPD

Detector Amorphous silicon
Pixel size 148 µm
Size 43 x 43 cm

Highlights
- Wide series of R / F remote-controlled tables with digital flat panel detector
- User-friendliness and enhanced examinations in E.R., trauma, thorax and lungs, skeleton, gastroenterology, urology, digital angiography, etc.
- Reduced distance of the elevating table-top from the floor
- Intelligent user interface integrating all the controls in a unique advanced touch screen

MECALL · CLISIS – 90 / 90 Remote-controlled table

Detector Amorphous silicon
Resolution 148 µm
Size 43 x 43 cm; 35 x 43 cm WiFi; 24 x 30 cm WiFi

Highlights
- 90 / 90 RF system with 43 x 43 cm flat panel detector and exclusive auto-focusing device
- Single end suspended carbon-fibre patient tab-letop for total accessibility from any side
- Elevating tabletop with 50 cm minimum distance from the floor
- Full-length patient examination in both vertical and horizontal position
- Full integration with optional ceiling suspension and Wi-Fi detector

MECALL is a GMM brand.

PRIMAX International · NIKAÏA DRF

Design + 90° / – 90° Digital remote controlled tilting table
Power Up to 80 kW
Detector 43 x 43 cm a-Si dynamic flat panel

Highlights
- Broad range of application from simple orthopaedic to interventional application
- Full accessibility around the table
- High resolution – low dose images (FDD up to 180)
- Optimal patient loading with reduced distance to ground
- Tomography standard included
- Real time image stitching
- Possibility to work with several Flat Panels

Shimadzu · Sonialvision G4

Power 80 kW / 65 kW
Detector Dynamic flat panel detector (CsI), 17" x 17" (43 x 43 cm), 3.6 Lp / mm
Pixel size 139 µm

Highlights
- Premium R / F system with dynamic flat panel detector
- 2nd tube option for multi purpose room solution
- Bariatric functionality
- SUREngine-Advance: real-time image enhancement processing technology
- Tomosynthesis and T-smart
- Slot radiography
- Angiography option (real-time and motion-tolerant RSM-DSA)
- Comprehensive dose management package

Shimadzu · Flexavision F3

Power 50 / 80 kW
Detector Dynamic flat panel detector (a-Si), 14" x 17" (35 x 43 cm)
Pixel size 160 µm

Highlights
- Portable dynamic FPD for various studies from head to toe
- Outstanding digital image quality
- Great flexibility through smart modular technology
- Intensive patient care

FLATPANEL FLUORO

Siemens Healthineers · Luminos dRF Max

Design Remote-controlled R / F system
Detector a-Si / CsI
Size MAX dynamic detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
The smart way to invest in remote fluoroscopy
The first 2-in-1 system for:
- Stronger synergies – with a true 2-in-1 solution for radiography and fluoroscopy
- Sharper imaging – for fast, confident diagnosis with a large 43 x 43 cm MAX dynamic detector
- Safer use - to protect patients and technologists with a 48 cm minimum table height, full patient access from all sides and SmartTouch
- The MAX effect – where gains multiply: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction

Siemens Healthineers · Luminos Agile Max

Design Patient-side controlled R / F system
Detector a-Si / CsI
Size MAX dynamic detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
The smart way to invest in patient-side fluoroscopy
The first patient-side system to offer:
- Stronger synergies – with a true 2-in-1 solution
- Sharper imaging – for fast, confident diagnosis
- Safer use – to protect patients and technologists
- The MAX effect - where gains multiply: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction

Ysio Max options:
- Fully integrated ceiling-suspended tube with bucky tracking
- MAX wi-D and MAX mini detectors
- SmartOrtho: long leg and full spine imaging

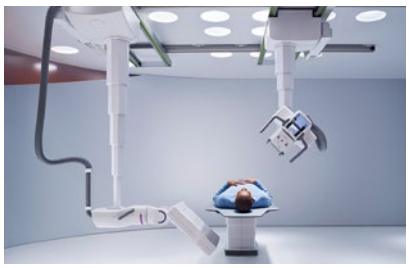
Siemens Healthineers · Luminos Fusion

Design Remote-controlled R / F system
Detector a-Si / CsI
Size 43 x 43 cm

Highlights
The 2-in-1 system that fits your needs and fits your budget
- MAX image quality in R / F (FD version only)
- Technology from high-end MAX systems
- Easy access for fast and easy patient positioning
- Touch-sensitive joysticks
- Outstanding dose reduction with CARE
- Wide range of options and applications
- 2-in-1 efficiency: flexibility and high utilization saves space and costs

Siemens Healthineers · Multitom Rax

Design Ceiling-mounted robotic tube **and** detector
Detector a-Si / CsI
Size RAX detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm



Highlights
The world's first Twin Robotic X-ray scanner enables streamlined clinical pathways while improving diagnostic insights and treatment.
- Offers a multitude of X-rays – in just one room
- Lets you see reality with natural Real 3D – for the first time
- Let the robots move – not your patients
- Defines standards easily – and multiplies your productivity

FLATPANEL FLUORO

STEPHANIX · D²RS

Technology Dynamic flat panel detector
System concept High-end remote controlled table
Design Compact, lightweight and robust
Motorized Automatic positioning, collimation, filtration, parameters

Highlights
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Smart access for secure patient transfer
- Dose optimization with virtual collimation, additional filtration, video camera…
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA
- Stitching
- Tomosynthesis
- Second tubestand and additional detectors

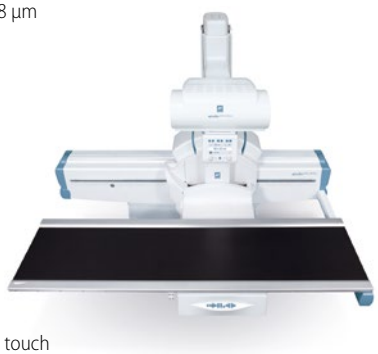
STEPHANIX · Evidence DReam

System concept 3-in-1 cost-effective remote controlled table
Technology Indirect conversion Flat Panel Detectors
Detector Fixed and wireless solutions

Highlights
- Head-to-toe exploration
- Smart 8 ways tabletop travel for easy patient displacement
- Column angulation ±40° on the whole table's length
- Tomography
- Fixed or variable height
- Radiation-free for patient positioning with video camera
- Stitching
- Second tubestand and additional detectors

VILLA SISTEMI MEDICALI · Apollo Open DRF 4.0

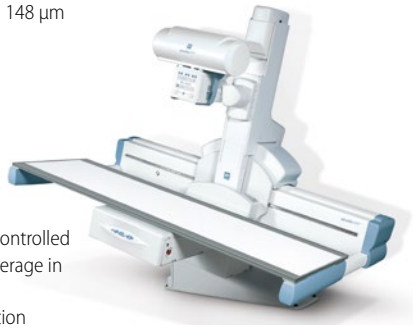
Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm



Highlights
- Premium digital remote controlled system with OPEN tabletop, allowing 4-side access to the patient
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options

VILLA SISTEMI MEDICALI · Apollo DRF 4.0

Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm



Highlights
- Premium digital remote controlled system for full clinical coverage in R/F applications
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Availablable with DSA and stitching options

VILLA SISTEMI MEDICALI · Apollo EZ DRF 4.0

Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm

Highlights
- Compact and cost-effective digital system for all the needs of radio-graphic and R/F imaging
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options

DENTAL

Planmeca · ProOne / ProX

Highlights
Planmeca ProOne is a full-featured panoramic X-ray unit, designed with simplicity in mind. It combines extensive diagnostic capabilities and superior image quality into a compact, easy-to-use package. The Planmeca ProX intraoral X-ray unit provides easy and precise positioning, a straightforward imaging pro-cess and top quality images in high resolution.

ACCESSORIES / COMPLEMENTARY SYSTEMS

Canon · OrthoMod3D

Image system Optical orthopedic image acquisition & fusion

Highlights
- One platform, one software application.
- 3D reconstruction & spine analysis in weight-bearing position.
- Based on optical & X-ray data fusion.
- Innovating and unique combination of the spine with the back surface.

DMS Imaging · BIOMOD 3S

Technology 3D modelization and analysis of the spine, Automatic calculation of 2D parameters

Highlights
- BIOMOD 3S combines two optical acquisitions of the spine with a classic stitching exam. This simultaneous combination allows generating a 3D model of the vertebral column (stereo-radiographic acquisition)
- For the study and the diagnosis of the spine (Scoliosis)
- No additional radiation dose

ACCESSORIES / COMPLEMENTARY SYSTEMS

DMS Imaging · Stratos

Technology Digital fast beam

Highlights

- The complete solution for an optimal fracture risk diagnosis in routine
- Full options including peadiatric and orthopedic software
- Exams can be performed in only 60 seconds per site
- Powerful easy-to-use software
- Compatible with 3D-DXA technolgy that allows cortical thickness analysis and volumic BMD
- Body composition application for weight management, tracking fat and lean tissue

DMS Imaging · Stratos DR

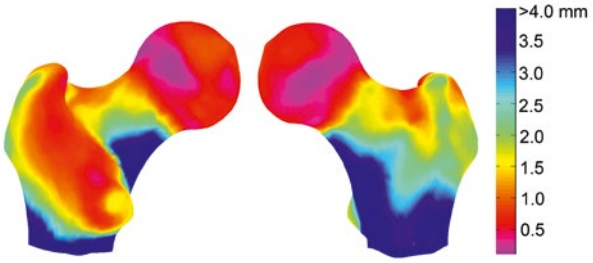
Technology 2D-Fan Beam
Detector 256 elements, highest image resolution

Highlights

- Complete solution for an optimal fracture risk diagnosis
- Full options including peadiatric and orthopedic software
- Exams can be performed in only 30 seconds in routine mode
- Powerful easy-to-use software
- Compatible with 3D-DXA technolgy that allows cortical thickness analysis and volumic BMD
- Body composition application for weight management, tracking fat and lean tissue

DMS Imaging · 3D DXA

Technology Breakthourgh Technology to complete fracture risk assessment



Highlights

3D-DXA is a 3D modelization of the hip performed with DMS DXA systems. Detailing information such as:

- Color mapping of cortical thickness
- Mean cortical thickness on relevant regions
- vBMD (volumic BMD) trabecular, cortical and global (total femur, femoral neck, intertrochanteric, greater trochanter)
- Femoral Neck Axis Length in 3D
- Femoral Neck Shaft Angle in 3D

Dunlee · Smit Röntgen Grids

Interspacer Fiber

Highlights

- Dose is verifiably lower as compared with aluminum interspaced grids
- Customized design for each application (e.g. Mammo, standard X-ray)
- Higher SN ratio = more signals reach the detector
- 30 % lighter than Alu grids make them ideal for mobile applications
- Trusted product with more than 200 satisfied customers

Hologic · Horizon DXA system

Highlights

The Horizon DXA platform is designed to help healthcare professionals in managing Osteoporosis, Obesity and Cardiovascular diseases.

- Less than 15 sec for Hip and Spine BMD, 20 sec for Vertebral Fractures Assessment, 3 min Whole Body and 20 sec atypical femur detection
- High resolution imaging with ceramic detectors
- A Dynamic Calibration for greater long-term measurement stability

I.A.E. · C31-RTM 72

Size 0.6 / 1.2
Power 30 kW / 75 kW
Capacity 300 kHU (Anode heat capacity)
500 W (Anode heat dissipation)

Highlights

- Rotating anode X-ray tube unit for mobile x-ray equipment with film and digital detectors
- Lead lined aluminium body
- H.T. cable sockets: type MINI75 4 pin
- Storage and shipment temperature range –10°C / +80° C
- Optional mounting plate for tilting brackets

I.A.E. · RTC 600

Highlights

- Rotating anode graphite XRay tube, specifically designed for remote controlled table and digital systems
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- High anode heat storage for repeated loading
- Ground glass window for consistent HVL
- Variety of housings allows flexible systems configurations

Konica Minolta · AeroDR Auto-Stitching System

Detector AeroDR 14" x 17"

Highlights

- Unique and easy to use
- Can be used with any X-ray system
- AeroDR CsI FPD 14" x 17"
- Effective image size after stitching: up to 35 x 120 cm
- No markers required

PTW · NOMEX System

Highlights

- Dosimetry system (CE marked, class IIb certified) acc. to IEC 61674
- Incl. NOMEX DOSEMETER and MULTIMETER (captures all dose values, time, kVp, TF, HVL, frequency, pulses, waveforms)
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: Test objects NORMI RAD/FLU, NORMI DSA, NORMI 3D (CE marked, class I certified)

Toshiba Electron Tubes & Devices · XRR-4631G

Size 1.2 / 0.6 (Focal Spot)
Power 100 kW / 40 kW (Max Rating)
Capacity 400 kHU (Anode heat capacity)
1,200 W (Anode heat dissipation)

Highlights

- 4 inch ROTANODE X-ray tube assembly for RF systems
- 20 % smaller housing than previous model
- Can be used as a replacement part for similar models
- High power input: 100 kW / 40 kW (0.1 s)
- High cooling rate provided by housing

Toshiba Electron Tubes & Devices · XRR-3331 X

Size 1.2 / 0.6 (Focal Spot)
Power 78 kW / 32 kW (Input Power)
Capacity 300 kHU (Anode heat capacity)
870 W (Anode heat dissipation)

Highlights

- 3 inch ROTANODE X-ray tube assembly for RF systems
- High power input: 78 kW / 32 kW (0.1 s)
- Advanced simulation technologies are used in development and manufacture to produce tubes with excellent performance and reliability and a long tube life.

Toshiba Electron Tubes & Devices · XRR-3332 X

Size 1.2 / 0.6
Power 46 kW / 20 kW
Capacity 300 kHU (Anode heat capacity)
870 W (Anode heat dissipation)

Highlights

- 3 inch ROTANODE X-ray tube assembly for Mobile systems
- 20 % smaller size / 22 % lighter weight housing than previous model
- High power input: 46 kW/20 kW (0.1 s)
- XRR-3332X is useful for designing smaller and excellent mobile system.
- Adotp large capacity anode target to support multipurpose diagnostic application.

Molecular Imaging

PET-MR

PET-CT

SPECT-CT

SPECT

Canon

GE Healthcare

SIEMENS Healthineers

PET-MR

GE Healthcare · SIGNA PET / MR 3.0 T

Gradient	44 mT / m
Slew rate	200 T / m / s
Channels	32 / 128 (option)

Highlights
- Exciting diagnostic possibilities thanks to simultaneous PET / MR acquisition
- 3.0T magnetic resonance (MR) technology integrated with GE's latest positron emission tomography (PET) technology
- SiPM detector with excellent timing resolution enabling Turbo time-of-flight (TurboTOF) reconstruction, suitable for ultra short-lived positron emmitters

Siemens Healthineers · Biograph mMR

System sensitivity	13.2 cps/kBq at 430 keV
Volumetric Resolution	4.4 mm transverse FWHM @ 1 cm, typical
Field of View	258 mm (axial)

Highlights
- Maximize MR-PET
- Benefit from motion-free PET images with MR-based motion compensation beyond gating
- Advance PET attenuation correction with whole-body 5-compartment model including bones and HUGE
- Deliver exceptional quality and speed in MR-PET with the latest MR innovations

PET-CT

Canon · Celesteion

Coverage per rotation	3.2 cm
Slices per rotation	32
Slice thickness	0.5 mm
Rotation speed	0.5 s
PET	19.6 cm Axial FOV / 4 x 4 mm Crystal size

Highlights
- PURE ViSION detector
- 90 cm bore CT / 88 cm bore PET
- 70 cm FOV
- AIDR 3D iterative reconstruction
- SEMAR (Metal Artifact Reduction)
- Respiratory gating (option)
- Oncology table top (option)
- SURE trace detector
- 394 ps typical TOF Timing Resolution
- Point Spread Function
- Registration accuracy and repeatability

GE Healthcare · Discovery IQ

System sensitivity	22 cps / kBq (5 rings)
Energy resolution (NEMA)	< 2 mm (w.SharpIR)
Field of View	up to 26 cm

Highlights

New LightBurst PET detector and New Image Reconstruction Technologies
- Up to five detector rings – 26 cm axial PET coverage
- Up to 22 cps / kBq NEMA sensitivity
- VUE Point HD – 3D iterative reconstruction
- On-site upgrade capability
- Modern Optima 540 CT with 16 slices
- Q.Clear – Full convergence PET reconstruction

GE Healthcare · Discovery MI DR

System sensitivity	7.5 cps / kBq
Energy resolution (NEMA)	< 2 mm (w.SharpIR)
Field of View	15.7 cm

Highlights

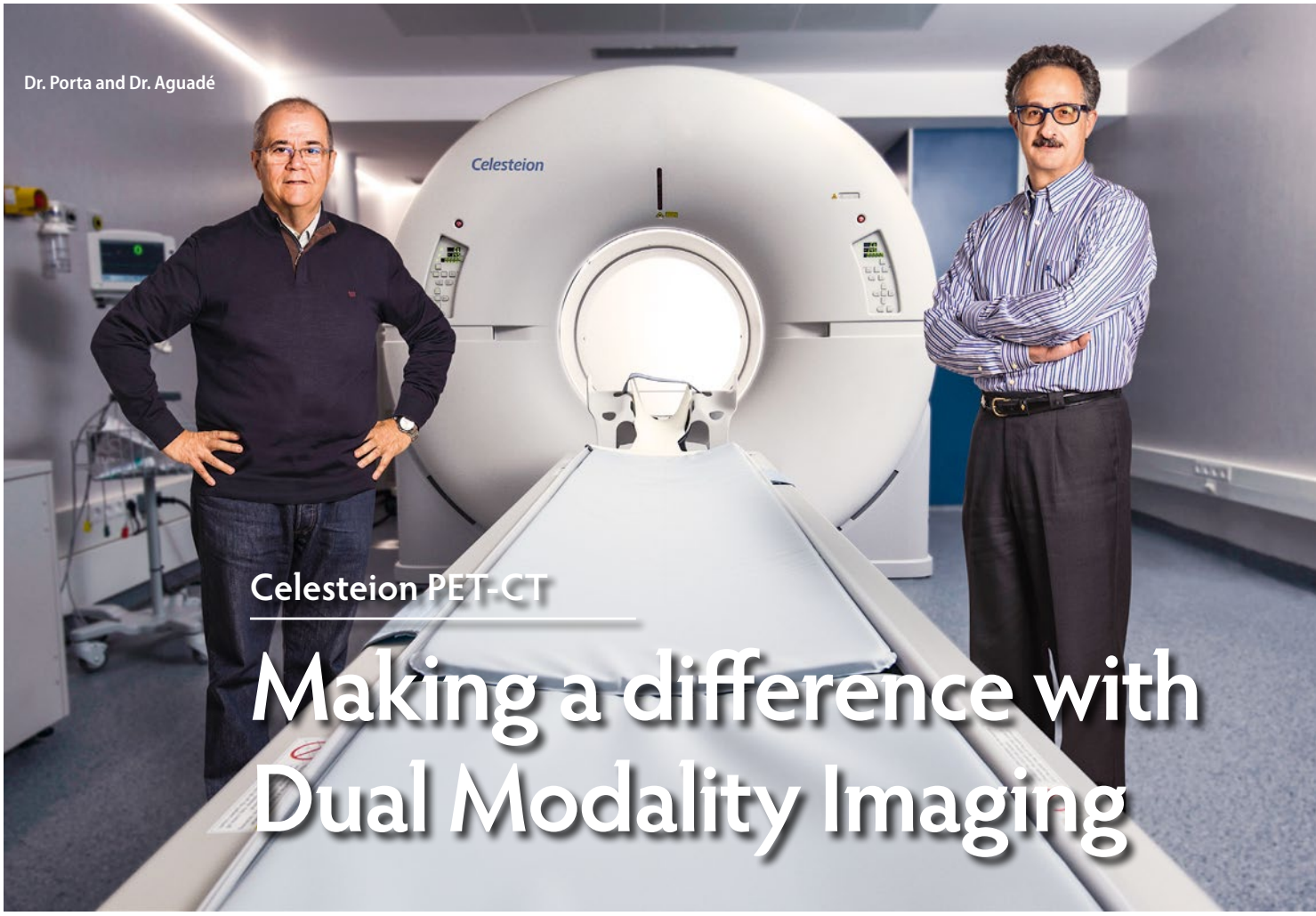
Leading edge technology for advanced applications and demanding academic practices
- Designed for short-lived tracers – high count rate capability
- Lutetium-based scintillator detector design
- VUE Point FX – 3D iterative reconstruction with Time of Flight capability
- Treatment assessment and quantitative consistency with Q.Suite and Q.Clear
- Modern Revolution EVO CT with 64 slices and advanced dose reduction ASiR-V
- Upgradeability path to digital Discovery MI

GE Healthcare · Discovery MI

System sensitivity	up to 13.5 cps / kBq
Energy resolution (NEMA)	< 2 mm (w.SharpIR)
Field of View	up to 20 cm

Highlights

New digital LightBurst PET detector with silicon photomultiplier (SiPM) and modern Revolution EVO CT with 128 slices
- Up to 2x improvement in volumetric resolution
- Half the time, or half the dose
- Highest NEMA sensitivity of any TOF PET/CT system
- Significantly better small lesion detectability
- Highest NECR of any TOF PET/CT system
- Up to 82 % reduction in CT dose with ASiR-V at the same image quality



Dr. Porta and Dr. Aguadé

Celesteion PET-CT

Making a difference with Dual Modality Imaging

The Clinica Creu Blanca Diagnostic Group in Barcelona, Spain, is the first clinic in Europe to use Canon Medical System's new Celesteion PET-CT Scanner. Dr. Xavier Alomar, Head of the Diagnostic Imaging Department at the Clinic, explains how the new system has opened up a large field of diagnostic possibilities for the Group in Metabolic Medicine in Oncology, Neurology, Cardiology and Musculoskeletal applications.

The Clinica Creu Blanca Diagnostic Group provides a wide range of diagnostic medical services, with follow up and treatment carried out externally. It has four clinics in Barcelona and two in Aragon in Spain. To achieve the high standards expected of it, the Group employs the latest technologies-applications available, and has an extensive and dynamic team of expert Radiologists and Nuclear Medicine specialists.

"We have 30 Radiologists, three Nuclear Medicine specialists, and more than 40 Radiographers," said Dr. Alomar. "As I am not an expert in this specific area, my own role in the Nuclear Medicine Department is to stay up to date with the latest advances in this specialty, and importantly, to integrate PET and CT modalities into the Department to ensure that our patients have the best diagnosis possible. We have some of the best Nuclear Medicine specialists in Barcelona on our Team: Dr. Francesc Porta, who is responsible for the Department; Dr. Carles Lorenzo, who is specialized in Oncology and Neurology; and Dr. Santiago Aguadé, who is specialized in Cardiology."

Celesteion PET-CT

The Celesteion PET-CT from Canon Medical Systems is the first PET-CT scanner that the Group has ever acquired, and it makes a big difference in their work. "As this is the one of first PET-CT that Canon Medical Systems installed in Europe, we initially expected some extra time in the processes of installation and set-up of the system, but positive feedback from others who have already worked with the Celesteion was very reassuring. We are very satisfied with the support given by Canon Medical Systems from the start of the project. Engineers and Application Specialists from Canon Medical's local organization, European Headquarters and Japanese Business Unit were involved, and the Canon Medical Team worked very hard to get the system up and running within schedule," continued Dr. Alomar. "As in the installation of other Canon Medical imaging

equipment, we trusted Canon Medical Systems, and I have to say that the Celesteion has proved very reliable and stable from the beginning to this first year of use."

Although the specialist team within the Group have almost 20 years of experience in Nuclear Medicine and have diagnosed more than 40,000 thousand patients, even some of the most experienced specialists required some training in using the new system. "Training our Radiographers in PET-CT was easy, as they were already familiar with CT systems from Canon Medical," remarked Dr. Alomar.

The PET-CT Team at the Group now comprises of Radiographers and Nuclear Medicine specialists: Dr. Francesc Porta (Head of Department + Oncology); Dr. Carles Lorenzo (Oncology and Neurology); Dr. Santiago Aguadé (Cardiology); Dr. Antoni Salvador, Dr. Jonathan Taboada, and Dr. Xavier Alomar (Abdominal CT).

High-quality dual modality imaging for a wide range of diagnostic applications

Now adept in use of the system, the Nuclear Medicine Team uses the Celesteion daily to perform examinations in a wide range of applications. "In Oncology, we use the PET-CT scanner to detect cancer and metastatic lesions, to assess the effectiveness of treatment plans or therapies, and to perform follow-up," explained Dr. Alomar. "In Neurology, we use it to evaluate brain abnormalities, memory disorders, seizures and other Central Nervous System disorders. In Cardiology, we can determine blood flow to the heart muscle, to assess the effects of a heart attack or myocardial, cardiac viability, endocarditis and sarcoidosis. In some areas of the heart, it can help identify areas of the heart muscle that would benefit from procedures, such as angioplasty or coronary artery bypass surgery."

The Celesteion PET-CT scanner is also used to explore new applications in many diagnostic and therapeutic areas. "We continuously seek new applications, such as in lung node characterization, early diagnosis of Alzheimer's disease, and other areas. And we anticipate that new applications involving radio pharmaceuticals will emerge in Cardiology and other disciplines. We are expecting local authorities to approve the use of new radio pharmaceutics soon and see great potential in Nuclear Medicine combined with other modalities in the coming years.

Celesteion PET-CT Features

CT	PET
90cm bore	88cm bore
70cm field-of-view	Transaxial Field of View 70cm
0.5 second rotation	Axial Field of View 19.6cm
0.5mm x 16-row detector	394 ps (typical) Time-of-Flight-resolution
32 slice reconstruction	Number of crystals 30720

For example, we are thinking of combining fusion images from PET-CT with MRI examinations. In this case, it will be important to have highly accurate registration software." said Dr. Alomar. "In addition, we are collaborating closely with the Canon Medical Team at different levels on developing elements of the Celesteion scanner. We work with the local Spanish Canon Medical organization; the European Team; and with the Japanese Engineers. We have already successfully developed a new Cardiac synchronism, together with the Japanese Engineers."

Delivering on the promise to patients

With the ultimate goal to offer accurate and fast diagnostics to facilitate the most convenient treatment for its patients, the Clinica Creu Blanca Diagnostic Group is delighted with its new PET-CT system. "The Celesteion PET-CT brings us new possibilities to deliver on our promise to our patients, as well as improved accuracy, increased efficiency, and more comfortable examinations through a patient-centered design that provides a better, safer patient-and physician experience," concluded Dr. Alomar. "It was a nice surprise to see how easy it was working with the new system from the beginning."

eu.medical.canon

Mrs. Maricruz (Radiographer) in the control room.


Dr. Xavier Alomar, Head of Radiology, Clinica Creu Blanca, Barcelona, Spain.

PET-CT

Siemens Healthineers · Biograph mCT

Gantry Opening	78 cm
Volumetric Resolution	95 mm³
Field of View	Up to 221 mm (axial)

Highlights

- Molecular CT – quantification redefined
- Increased confidence in quantitative results with automatic daily quality control with normalization
- Superb visualization, particularly of small tumors with industry-leading volumetric resolution* of 95 mm³
- Whole-body PET scans in only 5 minutes or with 5 mCi injected dose**
- Increase revenue with a 78 cm bore for radiation therapy planning

** Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. ** With TrueV.*

Siemens Healthineers · Biograph mCT Flow *

Gantry Opening	78 cm
Volumetric Resolution	95 mm³
Field of View	Up to 221mm (axial)

Highlights

- Only PET / CT where planning and scanning are based on a single continuous table motion
- Finest detail in every organ with industry's highest resolution** of 95 mm³
- Up to 25 % less scan time per patient with single scan protocol using motion management
- Whole-body PET scan in 5 minutes***
- Accurate and reproducible quantification in all dimensions enables a more confident interpretation

** Biograph mCT Flow is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*
*** Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. *** With TrueV.*

Siemens Healthineers · Biograph Horizon *

Gantry Opening	70 cm
Volumetric Resolution	87 mm³
Field of View	Up to 221 mm (axial)

Highlights

- Designed with technologies that set the standard in PET / CT, Biograph Horizon brings you premium performance at an attractive level of investment.
- More accurately stage disease by identifying small lesions early with Biograph Horizon's 4 mm, high resolution LSO crystals and Time of Flight.
- Leverage automated tasks and protocols to free up your staff's time, so they can focus on what matters most, your patients.
- Reduce your capital investment and keep overhead expenses under control with minimal upfront infrastructure requirements and low operating costs.

** Biograph Horizon is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*

SPECT-CT

GE Healthcare · Discovery NM / CT 670 ES

System sensitivity	270 cpm / µCi
Energy resolution (NEMA)	9.8 %
Field of View	540 x 400 mm

Highlights

All great capabilities of Discovery NM 630 plus:

- Full diagnostic Optima 540 8 slice CT for localization and diagnostic CT studies
- Designed to enable 16 min Whole body + Hybrid SPECT / CT scan
- CT Dose management with ASiR
- IQ Enhancement enables more coverage w/ fewer artifacts
- CT Calcium Scoring and Angio functionality
- Expanded NM dose management Evolution Toolkit
- SUV Quantification for every radionuclide

GE Healthcare · Optima NM / CT 640

System sensitivity	270 cpm / µCi
Energy resolution (NEMA)	9.8 %
Field of View	540 x 400 mm

Highlights

All great capabilities of Discovery NM 630 plus:

- SPECT / CT low-dose imaging without compromise
- Low total cost of ownership, with a technology continuum for upgradability
- Acquisition speed that drives efficiency
- Designed to enable 16 min Whole body & Hybrid SPECT / CT scan
- Simplified hybrid scan setup

GE Healthcare · Discovery NM / CT 670 DR

System sensitivity 270 cpm / µCi
Energy resolution (NEMA) 9.8 %
Field of View 540 x 400 mm

Highlights
All great capabilities of Discovery NM 630 plus:
- Full diagnostic Optima 540 16 slice CT for localization and diagnostic CT studies
- Designed to enable 16 min Whole body & Hybrid SPECT / CT scan
- CT Dose management with ASiR
- IQ Enhancement enables more coverage w/ fewer artifacts
- CT Calcium Scoring and Angio functionality
- Expanded NM dose management Evolution Toolkit
- SUV Quantification for every radio-nuclide

GE Healthcare · Discovery NM / CT 670 CZT

System sensitivity 190 cpm / µCi
Energy resolution (NEMA) 6,3 %
Field of View 510 x 390 mm

Highlights
Premium, all-purpose hybrid SPECT/CT imaging system with advanced CZT detector technology, featuring:
- Excellent image quality based 2nd generation CZT detector technology with slim design
- Dose reduction without compromising image quality by Evolution and Clarity advanced reconstruction algorithms
- Exceptional productivity through ¼ time planar and SPECT scans
- Full diagnostic Optima 540 32 slice CT with ASiR and Q.AC and SmartMAR

Siemens Healthineers · Symbia Intevo Excel

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- SPECT with integrated CT for attenuation correction and anatomical localization
- Flash 3D enables up to 45 % higher reconstructed resolution* than conventional SPECT 3D iterative reconstruction
- Largest CT field-of-view* enables physicians to more accurately localize lesions
- IQ•SPECT enables up to 80 % lower injected dose* or shorter imaging time, increasing patient comfort and satisfaction

** Based on competitive literature available at time of publication. Data on file.*

Siemens Healthineers · Symbia Intevo Bold*

Highlights
- Dual Energy Scan
- Improve image quality with two sequential spiral scans at different energies
- SAFIRE (Sinogram Affirmed Iterative Reconstruction)
- Reduce radiation dose while maintaining image quality
- iMAR (Interative Metal Artifact Reduction)
- See more detail by reducing metal artifacts. iMAR lets you overcome the effects of metal artifacts in challenging exams
- IVR (Interleaved Volume Reconstruction) (32-Slice)
- Reconstruct up to 32 slices to evaluate small structures

** Symbia Intevo Bold is not yet commercially available in some countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens organization for further details.*

Siemens Healthineers · Symbia Intevo

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- Higher image resolution enables physicians to distinguish between degenerative disease and cancer
- The first and only system offering accurate and reproducible SPECT quantification
- Up to 68 % lower CT dose* with CARE Dose4D and up to 80 % lower injected dose* with IQ•SPECT to reduce patient radiation risk
- Productivity tools and IQ•SPECT save time and can double patient throughput

** Based on competitive literature available at time of publication. Data on file.*

Siemens Healthineers · Symbia T Series

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- SPECT / CT with integrated diagnostic stand-alone CT
- IQ•SPECT ultra-fast cardiac solution provides a complete cardiac work-up in only 5 minutes
- Reduce exposure and improve workflow with Automated Quality Control and Automated Collimator Exchange
- Offers 2-, 6- or 16-slice spiral CT

SPECT

GE Healthcare · Brivo NM 615

System sensitivity 270 cpm / µCi
Energy resolution (NEMA) 9.8 %
Field of View 540 x 400 mm

Highlights
- Excellent image quality based on advanced Elite NXT detectors
- Exceptional productivity enabled through evolution ½ time planar and SPECT scans options
- Fast and flexible robotic gantry motions for exceptional clinical versatility
- Investment protection enabled through upgradeability path to Discovery NM 630 and even to SPECT / CT: Optima NM / CT 640 or Discovery NM / CT 670

GE Healthcare · Discovery NM 530c

System sensitivity 1,300 cpm / µCi
Energy resolution (NEMA) 6.2 %
Field of View –

Highlights
Alcyone Technology:
- Solid State CZT Detectors
- Pin hole focused collimation
- Stationary acquisition
- 3D reconstruction
- Higher sensitivity; Flexibility to manage dose more efficiently
- Scans as fast as 3 minutes

GE Healthcare · Discovery NM 630

System sensitivity 270 cpm / µCi
Energy resolution (NEMA) 9.8 %
Field of View 540 x 400 mm

Highlights
Premium, all-purpose, dual detector free geometry integrated nuclear imaging system, featuring:
- Excellent image quality based on advanced Elite NXT detectors
- Slim-profile, wide-bore, fast and fl exible robotic gantry design for exceptional clinical versatility
- Upgradeability path to SPECT / CT: Optima NM / CT 640 or Discovery NM / CT 670 (subject to appropriate site preparation)

GE Healthcare · Discovery NM 750b

System sensitivity 550 cpm / µCi
Energy resolution (NEMA) 6.5 %
Field of View 160 x 240 mm

Highlights
CZT based gamma camera dedicated to imaging of breast cancer as adjunct to mammography
- High-resolution, direct conversion, solid-state CZT semiconductor detectors
- For dense breast, MBI technology outperformed mammography in early detection and in finding more cancers
- Tracers with indication for breast cancer diagnosis
- Powered by Xeleris 4.0 advanced tools and optional packages

Siemens Healthineers · Symbia Evo Excel

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- Smallest* room size in its class, reducing costs associated with room remodeling and expansion
- Ability to image every patient** and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading* image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

** Based on competitive literature available at time of publication. Data on file. ** Patients up to 227 kg.*

Siemens Healthineers · Symbia Evo

System sensitivity 202 cpm/µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- Save up to 50 %* more time and potentially double patient throughput with automated quality control and collimator exchange, as well as ultra-fast cardiac imaging
- Image every patient** and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading* image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

** Based on competitive literature available at time of publication. Data on file. ** Patients up to 227 kg.*

Displays / Printers

Displays – Mammo
Displays – Grayscale
Displays – Color
Displays – Clinical Review
Printers
DVD Burner
DVD Import
Accessories / Complementary Systems

AGFA HealthCare

CHILI® Einfach überzeugend

BARCO

JVC

KONICA MINOLTA

bender gruppe medigration

mos Medical of Science and Technology

DISPLAYS - MAMMO

Barco · Nio 5MP

Panel size	21"
Resolution	5 MP (2,048 x 2,560)
Max. luminance	1,020 cd / m²

Highlights
- 500 cd / m² – to increase detection of the smallest details
- Renders more JNDs to help you see more shades of gray
- Constant DICOM-compliance
- 5-year warranty incl. front sensor

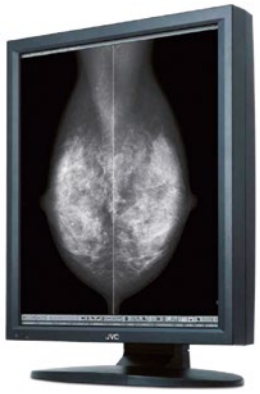
Barco · Barco Coronis Uniti

Panel size	33"
Resolution	12 MP (4,200 x 2,800)
Technology	Color and grayscale LCD
Max. luminance	> 2100 cd / m²

Highlights
- Approved for PACS, FFDM, DBT, breast MRI & US
- Proven 10 % higher detection when scrolling DBT IMAGES Proven 10 – 15 % higher detection probability compared to other FFDM displays
- 2 x the lifetime and 2 x the brightness of other PACs and FFDM displays
- 5-year warranty incl. front sensor

JVC · MS55i2

Pixel matrix	2,048 x 2,560 / 2,048 x 7,680 (with ISD)
Panel size	21.3"
Max. luminance	1,200 cd / m



Highlights
- LED Backlight
- 1,200 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

DISPLAYS – GRAYSCALE

JVC · CCL550i2

Resolution	2,048 x 2,560
Panel size	21.3"
Panel Technology	IPS

Highlights
- 1,000 cd / m² brightness
- 1,300 : 1 contrast ratio
- Auto Text Mode
- Dynamic Gamma
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

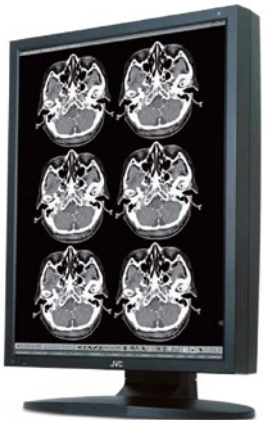
JVC · MS35i2

Panel Technology	IPS
Panel size	21.3"
Resolution	1,536 x 2,048 / 1,536 x 6,144 (with ISD)

Highlights
- 1,700 cd / m² brightness
- 1,400 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- LED Backlight
- Optional AR coating

JVC · MS25i2

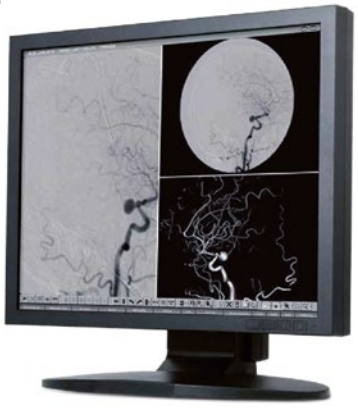
Panel Technology IPS
Panel size 21.3"
Resolution 1,600 x 1,200 / 4,800 x 1,200 (ISD)



Highlights
- 1,900 cd / m² brightness
- 1,400 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- LED Backlight
- Optional AR coating

JVC · ME195

Panel Technology IPS
Resolution 1,280 x 1,024
Panel size 19.1"



Highlights
- 1,400 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization
- DVI and Video input to connect modality systems

DISPLAYS - COLOR

Barco · Coronis Fusion Product Line

Pixel matrix 4 MP / 6 MP
Panel size 30.4"
Max. luminance 4 MP (2,560 x 1,600) / 6 MP (3,280 x 2,048)

Highlights
- Bezel-free 30-inch multi-modality PACS imaging desktop
- Unmatched viewing characteristics and image quality
- High-performance medical-grade image processing
- Automated intervention-free calibration and QA
- 5-year warranty incl. front sensor

JVC · CCL650i2

Panel Technology IPS
Panel size 30"
Resolution 3,280 x 2,048
Max. luminance 800 cd / m²

Highlights
- 800 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Dual DVI / DisplayPort Input
- Auto Text mode and Dynamic Gamma

JVC · CCL358i2

Panel Technology IPS
Panel size 21.3"
Resolution 2,048 x 1,536
Max. luminance 800 cd / m²

Highlights
- 800 cd / m² brightness
- 1400 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

DISPLAYS – COLOR

JVC · CCL258i2

Panel Technology	IPS
Panel size	21.3"
Resolution	1,600 x 1,200
Max. luminance	900 cd / m²

Highlights
- 900 cd / m² brightness
- 1400 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

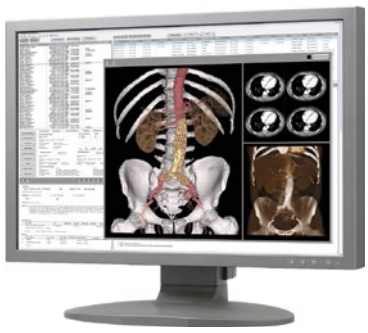
JVC · CCL214

Panel Technology	IPS
Panel size	21.3"
Resolution	1,600 x 1,200

Highlights
- 500 cd / m² brightness
- 1,200 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

JVC · CCL242

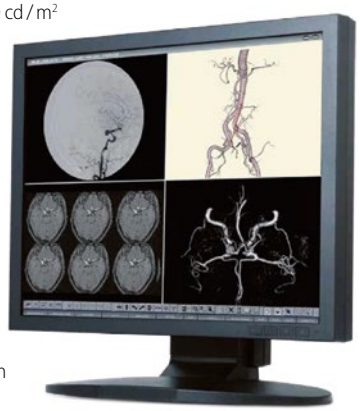
Panel Technology	IPS
Panel size	24.1"
Resolution	1,920 x 1,200



Highlights
- 300 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Optional AR coating

JVC · CCL196

Panel Technology	IPS
Panel size	19"
Resolution	1,280 x 1,024
Max. luminance	800 cd / m²



Highlights
- 700 cd / m² brightness
- 1000 : 1 contrast ratio
- Video and DVI interface
- Brightness stabilization system
- Remote management
- Integrated power supply

DISPLAYS - CLINICAL REVIEW

Barco · Eonis Family

Panel size	19" / 21" / 22" / 24"
Resolution	1 MP (1,280 x 1,024) / 2 MP (1,600 x 1,200) / 2 MP (1,920 x 1,080)
Max. luminance	330 / 440 / 250 / 300 cd / m²

Highlights
- Protective toughened, scratch proof glass cover
- 100 % cleanable (70 % alcohol) design supports hospital infection control initiatives
- Touchscreen options available
- IEC 60601-1 for use within 1m of patients
- Desk or cart-mounted for ultimate flexibility
- QA management and asset management
- 3-year warranty incl. front sensor

PRINTERS

Agfa · DRYSTAR 5503

Technology Direct digital imaging
Capacity 100 films / h (14 x 17)
Resolution 508 dpi / 50 µm pixelsize

Highlights
- Multi-modality, high throughput imager with film sorter
- Ideal for centralized workflow, can easily be connected to the network
- Integrated A#Sharp technology for optimized image quality
- Three multi-format trays, each supporting different film sizes and types
- Suitable for CT, MRI, DSA, digital R / F, CR, DR and optional mammography applications

Agfa · DRYSTAR AXYS

Technology Direct digital imaging
Capacity 75 films / h (14 x 17)
Resolution 508 dpi / 50 µm pixelsize

Highlights
- Flexible, tabletop imager delivering mammography-quality images
- Multi-application hardcopy solution, including digital mammography
- Integrated A#Sharp technology for optimized image quality
- Two multi-format trays, each supporting different film sizes and types
- Very short access time for extremely fast delivery of first four prints

Agfa · DRYSTAR 5302

Technology Direct digital imaging
Capacity 75 films / h (14 x 17)
Resolution 320 dpi

Highlights
- Suitable for all applications and ideal for CR / DR
- A#Sharp technology for optimized image quality
- Convenient imaging with two media sizes on-line (multi-format)
- Very short access time ensures fast printing of small print jobs

Agfa · DRYSTAR 5301

Technology Direct digital imaging
Capacity 70 films / h (14 x 17)
Resolution 320 dpi

Highlights
- A# Sharp Technology
- Direct Digital Imaging Technology
- Excellent reliability, minimum maintenance
- Convenient imaging with one media size online
- Provides excellent quality for low operating cost

Konica Minolta · DryPro 873

Technology Laser
Resolution 180 films / h
Resolution 43.75 µm

Highlights
- Fully DICOM compatible
- Ready for up to three film trays
- Optional sorter available
- Fast multi-modality printer for optimal performance
- High density printing for mammography – Dmax 4.0

Konica Minolta · DryPro 832

Technology Laser
Capacity 90 films / h
Resolution 78.6 µm/12 bit

Highlights
- Compact laser imager
- Fastest time for first film print out (50 s)
- Ready for up to two film trays
- Support of five different film sizes

DVD BURNER

CHILI · Burn Gateway

Highlights
- Receives data by DICOM C-Store
- Burns data on one or more CD / DVDs
- Optional reports
- Individual label printing
- Client enabled (different logos)
- CHILI viewer in report quality
- Alternative presentation as HTML / jpeg
- Certified by OFFIS and DRG
- Works with any PACS
- External output tray!

medigration · CD-Imager

Format	CD-R, DVD-R, DVD+R, DVD-R DL, DVD+R DL
Capacity	30 CDs / h or 15 DVDs / h (burn and print)
Magazine size	2 x 50 pcs

Highlights
- Fully automatic compact system for creating DICOM patient CDs or DVDs
- Highly compatible with all digital DICOM modalities (multimodality)
- Individual labeling (practice / clinic logo)
- Easy integration of DICOM patient data
- Extremely cost effective due to quick printing times and low link consumption

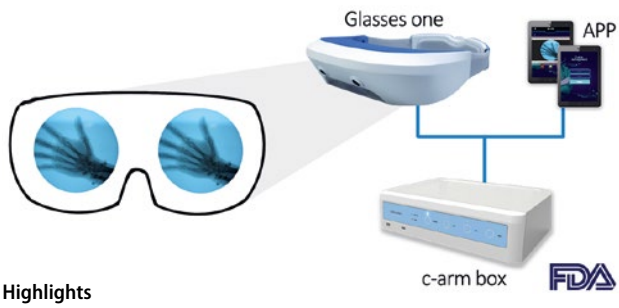
DVD IMPORT

CHILI · Import Robot

Highlights
- Automatic import robot
- Import of patient CD / DVD
- 2, 5 or 10 drives
- 2 import trays (regular / express)
- 2 output trays (ok, failed)
- Optional virus scan
- Correction of foreign data
- Automatic DICOM transfer
- Works with any PACS

ACCESSORIES / COMPLEMENTARY SYSTEMS

MOST · Glasses ONE



Highlights
- Smart surgical glasses equipped with Augmented Reality technology.
- Allows surgeon to focus on operational field instead of computer screens and monitors.
- Reduces radiation exposure by lowering the necessity of taking "X-ray" photos during operations.
- Enhances accuracy by monitoring trajectory of surgical tools, such as puncture needle, trocar etc.
- Allows doctors to screen surgical procedures through smart tablets and collects data for academic purposes.
- Equipped with Image enhancement procedure, able to zoom in.

MOST · Virtual Dissection Table

Screen size	83.5"
Dimensions	71 x 210.8 x 86 cm (W x L x H)
Resolution	3.840 x 1.080 (HD)
Computer capacity	Intel Core i5-6400 CPU @ 2.70GHz 2.70GHz, 4.00 GB RAM

Highlights

Virtual Dissection Table that simulates anatomical structures for surgical planning and educational purposes. Collects any form of X-ray images and regenerates them into 3D models in an instant. Enables virtual surgeries by simulating datas gathered from patients. The surgical simulation which combines all kinds of surgical instruments. Print out your simulation with 3D printer.

Ultrasound


Canon
FUJIFILM
Value from Innovation
SonoSite
GCTechnology GmbH
GE Healthcare
HITACHI
Inspire the Next
KONICA MINOLTA
mindray
SAMSUNG
SIEMENS
Healthineers
See the future
SIUI
SUPERSONIC
imagine

ULTRASOUND

Canon · Aplio i800

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, iSMI

Scan format Linear, convex, phased array sector, biopsy, 4D-volume, motorized TEE, endocavitary, pencil probes, active matrix, RT 3D

Transducer inputs 4 & 1 (pencil)

Highlights

- Intelligent Dynamic Micro Slice, iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging, Ultra High Frequency
- CEUS; 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Quad View Shearwave elastography, Dispersion Imaging (WIP), MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification, Quad View

Canon · Aplio i700

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, iSMI

Scan format Linear, convex, phased array sector, biopsy, 4D-volume, motorized TEE, endocavitary, pencil probes, active matrix

Transducer inputs 4 & 1 (pencil)

Highlights

- Intelligent Dynamic Micro Slice, iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Quad View Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification, Quad View

Canon · Aplio i600

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, iSMI

Scan format Linear, convex, phased array sector, biopsy, 4D-volume, motorized TEE, endocavitary, pencil probes, active matrix

Transducer inputs 4 & 1 (pencil)

Highlights

- iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Quad View Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification, Quad View

Canon · Aplio a550

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, iSMI

Scan format Linear, convex, phased array sector, biopsy, 4D-volume, motorized TEE, endocavitary, pencil probes, active matrix

Transducer inputs 4 & 1 (pencil)

Highlights

- iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Canon · Aplio a450

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, iSMI

Scan format Linear, convex, phased array sector, biopsy, 4D-volume, motorized TEE, endocavitary, pencil probes, active matrix

Transducer inputs 4 & 1 (pencil)

Highlights

- iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging

Canon · Aplio 500

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI

Scan format Linear, convex, matrix and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes

Transducer inputs 4 & 1 (pencil)

Highlights

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Shearwave elastography, Acoustic Structure Quantification, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Canon · Aplio 400

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI

Scan format Linear, convex, phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes

Transducer inputs 4 & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Canon · Aplio 300

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI

Scan format Linear, convex, phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes

Transducer inputs 4 (1 x optional) & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Canon · Xario 200G

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI

Scan format Linear, convex,phased array, biopsy, 4D-volume, M-TEE, endocavity, pencil probes

Transducer inputs 3 & 1 (pencil)

Highlights
- Up to 8 hours battery autonomy, 21.5 inch wide screen display
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow, Superb Microvascular Imaging (SMI)
- 4D-imaging; SR, MPR, MultiView, Freehand 3D, Luminance
- Shearwave elastography with propagation curves, strain elasto, Auto IMT, Stress Echo, 2D Wall Motion Tracking, CEUS
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan & Quick Assist

Canon · Xario 200 Platinum Edition

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavity and pencil probes

Transducer inputs 3 & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue
- Enhancement, Advanced Dynamic Flow, Superb Microvascular Imaging (SMI)
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime Shearwave elasto with propagation curves, strain elasto, Auto IMT, Stress Echo, 2D Wall Motion Tracking, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan & Quick Assist

Canon · Xario 100G

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavity and pencil probes

Transducer inputs 3 & 1 (pencil)

Highlights
- Up to 4 hours battery autonomy, 21.5 inch wide screen display
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime elastography, Auto IMT, Stress Echo, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height selectable console, Quick Start, Quick Scan & Quick Assist

Canon · Xario 100 Platinum Edition

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavity and pencil probes

Transducer inputs 3 & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime elastography, Auto IMT, Stress Echo, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height selectable console, Quick Start, Quick Scan & Quick Assist

ULTRASOUND

Canon · VIAMO sv7

Mode 2D-, M-mode, spectral Doppler, high PRF, color / power Doppler, ADF
Scan format Linear, convex and phased arrays
Transducer inputs 2

Highlights
- Portable ultrasound system
- Swivel touch screen, Tablet mode possible
- Single transducer input, expandable to 2 transducers
- Battery and AC operation, fast boot time (< 10 s from standby to scanning)
- High color sensitivity, exceptional image quality
- Highly programmable Touch Screen, few buttons, easy to operate

Canon · VIAMO c100

Mode 2D-, 3D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler
Scan format Linear, convex and phased arrays; 3D-volume probes, endocavity and pencil probes
Transducer inputs 1 (3 with optional transducer selector on cart)

Highlights
- Up to 2 hours battery autonomy, 15 inch screen display
- High Density Beam former, Compounding, Speckle reduction, THI, Tissue Enhancement
- 3D-imaging: surface rendering, Virtual HD, depth cueing
- Auto IMT, needle enhancement, Quick Scan
- Magnesium alloy housing, height adjustable on cart, Quick Start (8 sec)

FUJIFILM SonoSite · iViz

Mode 2D, M-Mode, Colour Doppler and THI, with multiple optimisation setting
Scan format Broadband and Multifrequency Phased Array
Transducer inputs 1
Weight 520 g

Highlights
iViz augments the value of ultrasound for clinical users from hospitals to clinics in remote villages with the ability to perform ultrasound when and where it's needed. It delivers fast and improved patient care with superior clarity, mobility, and unprecedented connectivity. Users can easily access patient records, store exams, submit reports, and consult with remote providers for assessments.

FUJIFILM SonoSite · SII

Mode 2D / Tissue Harmonic Imaging / M-Mode, Velocity Colour Doppler / Colour Power Doppler
Scan format Linear Array, Curved Array, Phased Array, Micro-Convex
Transducer inputs 2
Weight 5,7 kg

Highlights
The SII empowers your efficiency through an intuitive, yet smart user interface that adapts to your imaging needs. The system is portable and can be used across multiple hospital environments, including a zero footprint option for spaceconstrained rooms. We listened to you and designed the SII system to maximise the productivity of your practice, and support you in providing simply the best patient care.

FUJIFILM SonoSite · EDGE II

Mode B mode, M mode, Tissue Harmonic Imaging, Velocity Color Doppler, Color Power Doppler, PW, PW Tissue Doppler, CW
Scan format Linear, curved and phased array, multiplane TEE and micro-convex
Transducer inputs 1 for main unit, 3 with TTC option
Weight 3.85 kg

Highlights
The Edge II offers you enhanced imaging experience through industry-first transducer innovations like DirectClear and Armored Cable Technology. Because it's a SonoSite, the Edge II stays true to our design pillars: durability, reliability & ease of use. It offers a compact clamshell design that exceeds expectations for infection control and featuring enhanced cardiac & abdominal imaging experience.

FUJIFILM SonoSite · X-Porte

Mode 2D Broadband imaging, Tissue Harmonic Imaging, Pulse Inversion Harmonic Imaging, M Mode (update and simultaneous), Velocity Colour Doppler, Colour Power Doppler, Pulsed Wave Doppler, Pulsed Wave Tissue Doppler, Continuous Wave Doppler, ECG

Scan format Linear, curved and phased array, multiplane TEE and micro-convex

Transducer inputs 3

Highlights

X-Porte represents a new approach to clinical ultrasound. At the sweep of your hand, it responds quickly and intelligently to your imaging needs. Its self-explanatory control panel makes system navigation easy and its sealed touch screen has no buttons for pathogens to hide behind. X-Porte's slender profile makes it easy to maneuver alongside beds and exam tables for visualization and procedures.

FUJIFILM SonoSite · Vevo MD

Mode B-Mode, M-Mode, Color (Velocity) Doppler Mode

Scan format Broadband, Ultra High-Frequency (UHF), linear array technology (up to 70 MHz)

Transducer inputs 1

Weight 95 kg

Highlights

Ultra high frequency means the highest resolution diagnostic ultrasound available today. This ground breaking development opens up new possibilities for medical imaging that have never been seen before. Whether imaging tiny infants in the neonatal ward, detecting the tiniest of suspicious lesions or monitoring the subtle changes in blood flow in the major arteries of the body, the Vevo MD produces unparalleled image resolution. Resolution as fine as 30 µm. Yes, 30 µm. That is less than half the size of a grain of sand.

FUJIFILM SonoSite · M-Turbo

Mode B mode, M mode, Tissue Harmonic Imaging, Velocity Color Doppler, Color Power Doppler, PW, PW Tissue Doppler, CW

Scan format Linear, curved and phased array, multiplane TEE and micro-convex

Transducer inputs 1 for main unit, 3 with TTC option

Weight 3.4 kg

Highlights

The M-Turbo's engineered for striking image quality, durability and ease of use. It lets you visualise detail, improving your ability to differentiate structures, vessels and pathology. The M-Turbo ultrasound system offers an advanced set of features with a wide array of connectivity options that seamlessly connects you to hospital information networks and your own PC.

GE Healthcare · LOGIQ E9 XDclear 2.0

Modus B-mode, M-mode, Doppler, CFM, HiRes Contrast, TVI, Stress Echo, Auto-IMT, Doppler, Shear Wave Elastography, LOGIQView, realtime 4D, Volume Navigation, Needle Tracking, B-Flow / B-Flow Color, Parametric Imaging

Scan format Linear, convex, microconvex, sector phased array, 3D/4D, intra-operative, biopsy convex, TEE

Transducer inputs 4

Highlights

- Extraordinary Images: Agile ultrasound beamformer with acoustic models, XDclear and matrix array transducer technology, CrossXBeam, SRI, 22"High-Res widescreen OLED display
- Expert Tools: contrast imaging with HiRes + amplitude modulation settings, Strain elastography + PDI with quantification, realtime 4D in CEUS mode, Volume Navigation with fusion, 3D GPS + Needle Tracking
- Easy Workflow: Scan Assistant, raw data imaging, Q&R with multimodality imaging navigation

GE Healthcare · LOGIQ S8 XDclear 2.0

Modus B-mode, M-mode, Doppler, CFM, Contrast, TVI, Stress Echo, Auto-IMT, Doppler, Shear Wave Elastography, LOGIQView, realtime 4D, Volume Navigation, Needle Tracking, B-Flow/B-Flow Color, Parametric Imaging, Quick Start

Scan format Linear, convex, microconvex, sector phased array, 3D/4D, intra-operative, biopsy convex, bi-plane TRT, TEE

Transducer inputs 4 active ports + 1 parking slot

Highlights

- Superb imaging: S-Agile ultrasound beamformer, XDclear and matrix array transducer technology, contrast imaging with amplitude modulation + optional HiRes settings, elastography with quantification, B-flow imaging, 22" High-Res widescreen OLED display
- Simplified workflow: slim and light console, fully flexible configuration, Scan Assistant, raw data imaging
- Scalable to your needs: wide applications coverage to maximize scan productivity, scanning on battery, integrated FibroScan module

GE Healthcare · LOGIQ S7 XDclear

Modus B-mode, M-mode, Doppler, CFM, Contrast, TVI, Stress Echo, Auto-IMT, Elastography, LOGIQView, realtime 4D, B-Flow/B-Flow Color, Parametric Imaging, Quick Start

Scan format Linear, convex, microconvex, sector phased array, 3D/4D, bi-plane TRT, TEE

Transducer inputs 4

Highlights

- Sensational Performance: S-Agile ultrasound beamformer, XDclear + matrix array transducer technology, image optimization tools, AutoTGC
- Smart Design: slim and light console, 23" High-Res widescreen display, 10.1" Touch Panel, raw data imaging, Compare Assistant, fully flexible configuration, enhanced portability
- Specialized Capabilities: a wide range of clinical packages like B-Flow, elastography with quantification, contrast imaging with amplitude modulation, B-Steer+, STIC + OmniView, scanning on Battery

ULTRASOUND

GE Healthcare · LOGIQ P7 / P9 R2

Modus B-mode, M-mode, Doppler, CFM, Contrast (LP9) TVI, Stress Echo, Auto-IMT, Elastography, LOGIQ-View, realtime 4D, B-Flow/B-Flow Color, Quick Start

Scan format Linear, convex, microconvex, sector phased array, 3D/4D, bi-plane TRT

Transducer inputs 3+1 optional (LP7), 4 (LP9)

Highlights

- Personalized: intuitive console controls, personalized digital user interface "My Page", programmable 'User Defined' keys
- Patient-centric: Excellent image quality with minimal tweaking, superb B-mode spatial + contrast resolution, wide selection of high quality probes, excellent exam coverage, advanced imaging tools
- Practical: Compact, lightweight design, large 21.5" monitor and accessible 10.4" touchscreen, digital TGC +digital keyboard, automated tools, scanning on battery

GE Healthcare · LOGIQ F8

Modus B-mode, tissue harmonics, M-mode, Color-M-mode, CFM, Power Doppler Imaging (PDI), directional PDI, PW-Doppler with High-PRF, scan assistant, scan coach; optional: anatomical M-mode, CW-Doppler, LogiqView, TVI Mode, 3D/4D

Scan format Convex, linear, microconvex, sector phased array, realtime 4D volume

Transducer inputs 3 (4 optional)

Highlights

- Outstanding display properties as well as numerous innovative assistance functions support a confidant diagnosis
- Compatible with a wide range of transducers and different software packages
- Can be used in nearly all medical disciplines

GE Healthcare · Venue 50

Modus B-mode, M-mode, CFM-mode

Scan format Linear, convex, phased array

Transducer inputs 1 (expandable to 3 with Cart)

Highlights

- High-performance tablet with sleek and portable design easily fits into tight spaces
- The single-surface screen can be easily cleaned and disinfected
- Offers PinpointTM GT*, an advanced needle guidance technology that provides greater control over needle placement with twice the accuracy of conventional ultrasound needle guidance. Flexible data management and connectivity options, with optional DICOMTM, help speed image storage and archiving for physicians at the Point of Care. Ophthalmic mode & Needle recognitional patient bedside.

GE Healthcare · Venue

Modus B-mode, M-mode, anatomic M-mode, Color-Flow mode, Power doppler Mode, PW/CW-Doppler, Tissue Doppler mode

Scan format Linear, convex, microconvex, sector phased array

Transducer inputs 4

Highlights

- Designed for the emergency room and the intensive care unit: The Venue system features a shock tool kit (Auto IVC, Auto VTI, Auto B-Lines)
- The 19" LCD multi-touch monitor allows easy operation
- The system provides a splash-proof, easy-to-clean and disinfect smooth surface

GE Healthcare · LOGIQ e R7

Modus B-Mode, M-mode, CFM, PDI, PWD,Easy3D, LOGIQview, Needle Enhancement, Stress Echo, eSmart Trainer, Auto IMT, Flow Quantitative Analysis, Patient Follow-up Tool with fusion, CWD, Anatomical M-Mode, TVI/TVD, High Res PDI, Opthalmic

Scan format Linear, convex, microconvex, sector phased array, trapezoid, TEE

Transducer inputs 1 (expandable to 3 with Cart)

Highlights

- Portable premium system with shared service capabilities
- Unique 4 button transducer (L4-12t) which offers you a 3rd hand
- Needle recognition feature for a better needle imaging
- CrossXBeam, B-steer and SRI imaging
- LOGIQ view (panoramic imaging)
- High frequency imaging up to 22 MHz for vascular and musculoskeletal exams
- Musculoskeletal suite with 2D PDI quantification and patient follow up settings

GE Healthcare · Vscan Extended

Modus B-Mode, CFM

Scan format Unique Dual Probe – Linear & Phased array in 1 probe

Weight 430 g

Highlights

- Its pocket-sized portability – one-hand operation
- Patient imaging – immediately and non-invasively – for basic or focused assessment
- Can be used during routine periodic monitoring and triage assessments or during procedural guidance as well the use in the home healthcare environment
- Vscan Extend app available (e.g. Lung Protocol & Assisted bladder volume measurement)
- Vscan Extend is offering WIFI & DICOM connectivity configurations
- Harmonic Imaging & Color Doppler – able to differentiate between stationary and flowing liquids

GE Healthcare · Invenia ABUS

Modus B-Mode Automated scanning

Scan format Reverse Curve transducer, 15 cm wide field-of-view high-frequency transducer

Highlights

- Clinical Excellence: Screening with ABUS has a 57 % relative increase in invasive breast cancers identified in dense breast tissue using supplemental ABUS[1]
- Powerful Imaging Architecture for user-independent and standardized Volume acquisition
- Innovative Technology: Reverse Curve Transducer with One Button automation
- CE/FDA approved for Screening and Diagnosis

[1] *Wilczek, Leifland, et.al. Adding 3D Automated Breast Ultrasound to mammography screening in women with heterogeneously and extremely dense breasts. Report from a hospital-based, high-volume, single-center breast cancer screening program. European Journal of Radiology 85 (2016) 1554–1563*

ULTRASOUND

Hitachi · ARIETTA 850

Mode B, M, ODM; PW,CW Doppler; Dual Gate Doppler; color / power Doppler; eFlow mode; triplex; TDI; CEUS; freehand 3D; 4D, Fusion, RT Bi-plane

Scan format Sector, linear and convex array, 360° radial scanning, trapezoid, B-steer, dual/quad imaging, WideView, HI-Def Zoom, pan Zoom; Picture in Picture

Transducer inputs 4 active ports

Highlights
- Multi-disciplinary Premium platform, ergonomic design
- Pure Image Symphonic Architecture
- 22" OLED monitor for highest contrast
- Wide range of transducers for GI, interventional guidance, urology and TEE applications
- Advanced modalities: SWM, Real-time Elastography, Combi-Elasto, CEUS, RVS Fusion, 3D SIM navigator, E-field Simulator, Needle and Body Motion tracking
- Advanced analysis: TIC, eTracking, WI, 2DTT, Protocol assistant, Auto Measurements

Hitachi · ARIETTA V70

Mode B & M-mode; free angle M-mode; PW and CW Doppler; Triplex; Dual Gate Doppler; TDI; color and power Doppler; eFlow-Flow Emphasis; SWM and strain Elastography; Contrast Harmonic Imaging; Free Hand 3D; 4D; Real-time Virtual Sonography

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, Dual Slow-Motion Display, Wideview panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 4 active ports

Highlights
- Multi-disciplinary platform, ergonomic design
- Symphonic Technologies underpin high quality of diagnostic images
- High quality 21" IPS-PRO high contrast monitor
- Wide range of transducers for interventional guidance, urology and TEE applications
- Advanced modalities: SWM, Real-time Elastography, CEUS, RVS Fusion, 3D SIM Navigator
- Advanced analysis: Time Intensity Curve, eTracking/Wave Intensity, 2D Tissue

Hitachi · ARIETTA V60

Mode B & M-mode; free angle M-mode; PW and CW Doppler; Triplex; Dual Gate Doppler; TDI; color and power Doppler; eFlow-Flow Emphasis; Elastography; Contrast Harmonic Imaging; Free Hand 3D; 4D

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, Dual Slow-Motion Display, Wideview panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights
- Lightweight compact multi-disciplinary platform with ergonomic design
- Symphonic Technologies underpin outstanding image quality
- High quality 17 inch IPS-PRO LCD
- Wide range of transducers include interventional guidance, urology and TEE applications
- Advanced modalities & analysis: Strain Elastography, CEUS, Time Intensity Curve, eTracking

Hitachi · ARIETTA Precision

Mode B, Dual (DDD, DSD), Quad, B / M, B / PW, B / CW, Triplex, M, Free angular M, PW, CW, Colour Flow, Power Doppler, eFlow, TDI

Scan format Sector, linear and convex array, trapezoid, panoramic field of view, 360° FOV

Transducer inputs 3 active ports

Weight Total components approx. 30 kg

Highlights
- For surgical use, full range of transducers
- High image quality - uses same advanced image processing technologies as high-end systems
- 21.5 inch monitor incorporates a full touch panel
- Tablet-style remote allowing a flexible layout in the OR
- Simple and intuitive to use with automatic image optimisation and presets
- All parts fully compatible with commonly-used disinfectant procedures

Hitachi · ARIETTA Prologue

Mode B, B-Zoom, Dual (DDD, DSD), Quad, B / M, B / PW, B / CW, Triplex, M, Free angular M, PW, CW, Colour Flow, Power Doppler, eFlow, TDI, Needle Emphasis

Scan format Sector, linear and convex array, trapezoid, Extended Field of View

Transducer inputs 1 smart connector

Weight 4.5 kg

Highlights
- For POC use
- Compact design, high mobility, in-built battery for portable use
- Simple and intuitive to use, tablet-style with touch screen control
- Hand carry, can be used with probe tray or cart
- Ethernet, Wi-Fi, Bluetooth network connections
- Option of 12 transducers, offers high quality imaging for a broad range of applications including MSK, rheumatology, emergency medicine, anaesthesiology

Hitachi · HI VISION Ascendus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; Dual Gate Doppler; color and power Doppler; FineFlow-mode; triplex; TDI; shear wave and strain elastography; contrast harmonic imaging; freehand 3D; 4D; Real-time Virtual Sonography; Real-time Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 4 active ports

Highlights
- Award-winning, ergonomic design
- Graphical user interface incorporating smart tab menus, image thumbnails and touchscreen panel for image optimisation
- Advanced signal processing for all-round high performance imaging
- Optional expert modalities such as strain elastography, Combi-Elast, CEUS, and multi-modality fusion imaging
- Supports leading edge technologies such as Shear Wave Measurement and 4D-elastography

Hitachi · HI VISION Preirus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; Dual Gate Doppler; color and power Doppler; FineFlow mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; freehand 3D; 4D; Real-time Virtual Sonography; realtime Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights

- Three types tissue harmonic imaging (choice of frequencies)
- Award-winning, unique ergonomic design gives increased system flexibility
- Tissue adaptive filtering, HI Rez+ (8 levels) for speckle and noise reduction
- Compound imaging, HI Com (from multiple directions and different frequencies)
- Graphical user interface incorporating smart tab menus, image thumbnails and touchscreen panel for image optimisation

Hitachi · HI VISION Avius

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; color and power Doppler; FineFlow-mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; freehand 3D; 4D; simultaneous Bi-plane

Scan format Sector (phased), linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights

- Three types tissue harmonic imaging (choice of frequencies)
- Tissue adaptive filtering, HI Rez+ (8 levels) for speckle and noise reduction
- Compound imaging, HI Com (from multiple directions and different frequencies)
- Graphical user interface incorporating smart tab menus, image thumbnails for image optimisation
- PSS, patient specific scanning selector

Hitachi · Noblus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; color and power Doppler; FineFlow mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; Freehand 3D; 4D; simultaneous Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom

Transducer inputs Up to 3 active ports

Highlights

- Uses high-end technology migrated from HI VISION platforms
- Wide range of compatible transducers for many different clinical applications
- Premium image quality and advanced functions
- Flexibly designed in the form of a laptop PC with optional cart
- Unique space-saving design
- Tilt and swivel monitor
- Smart Touch feature for parameter adjustment by direct touch on image screen

Hitachi · ProSound F75

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow-Flow Emphasis; triplex-mode; TDI and 2DTT; RT-Elasto; BbH tissue & contrast; RT-3D-tissue and contrast; freehand 3D

Scan format Sector, linear, convex, trapezoid, ext. Field of View

Transducer inputs 4 active ports

Highlights

- Unique ergonomic design for wide applications range
- AutoIMT, NT, eTracking and WI, contrast analysis
- Hi-Freq compound probe for MSK and SmallPart
- New eFlow morphological tool for high sensitivity microvascular map
- eTracking / Wave Intensity for easy artery stiffness assessment
- Full 3D / 4D capabilities in a variety of application including MSK, Small Parts and Cardiac with 3DTEE probe

Hitachi · ProSound Alpha 7

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; RT-Elasto; broadband tissue & contrast harmonic; RT-3D; freehand 3D

Scan format Sector, linear and convex array, trapezoid, extended Field of View, 360° scanning

Transducer inputs 3 active ports

Highlights

- Powerful, friendly and compact for wide range applications
- Auto IMT, NT, eTracking and WI, contrast analysis
- Sound velocity control for a perfect focused HD image
- Wide range of features for GI and vascular imaging
- eTracking / Wave Intensity for easy artery stiffness assessment
- Full 3D / 4D capabilities for a variety of applications

Hitachi · ProSound Alpha 6

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; broadband tissue & contrast harmonic; RT-3D; freehand 3D

Scan format Sector, linear and convex array, trapezoid, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Powerful, friendly and compact for wide range applications
- Automated measurement for IMT, NT, eTracking and WI, contrast analysis
- Full control of sound velocity for a perfect ocused imaging
- Wide range of features for Women's Health and perinatal imaging
- eTracking / Wave Intensity for easy artery stiffness assessment
- Full 3D / 4D capabilities for a variety of applications

ULTRASOUND

Hitachi · F37

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; Broadband tissue Harmonic; RT-3D; freehand 3D, Freehand Color 3D

Scan format Sector, linear, convex, trapezoid, compound, AIP, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Easy and compact for wide applications range
- 4D Shading
- Spatial Compound Imaging
- Trapezoid scan
- Adaptive Image Processing (AIP)
- Silky Image Processing (SIP)
- Needle Emphasis
- Dynamic Slow-Motion Display
- Automated measurement for IMT, NT, Free Angle M-mode
- DICOM SR and Raw Data

Hitachi · F31

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; Broadband tissue Harmonic; freehand 3D, Freehand Color 3D

Scan format Sector, linear, convex, trapezoid, compound, AIP, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Easy and compact for wide applications range
- Spatial Compound Imaging
- Trapezoid scan
- Adaptive Image Processing (AIP)
- Dynamic Slow-Motion Display
- Automated measurement for IMT, NT, Free Angle M-mode
- DICOM SR and Raw Data

Hitachi · iVu SOFIA – 3D Breast Ultrasound System

Scan format Radial scanning

Mode Review using radial 2D, 3D, and MPR images

Transducer inputs 92 mm linear transducer, frequency range 5 – 13 MHz

Highlights

- Ultrafast automated bilateral whole breast 3D image acquisition (< 1 min/breast)
- Compatible with Noblus, ARIETTA V70, V60 and 92 mm Broad Band Linear Transducer
- Adjunct to mammography for dense breast patients
- Whole breast 3D imaging for patients where mammography is contraindicated
- Identification of bilateral and multi-focal disease
- Comfortable exam in prone position, radial image acquisition

RAD BOOK 2018

Please visit us at

www.healthcare-in-europe.com

Konica Minolta · Sonimage HS1

Mode B, M, Colour Flow, Power D, PW, CW

Scan format Linear, convex, sector

Weight 7.8 kg

Highlights

- Triad Tissue Harmonic Imaging (3THI)
- SNV – Simple Needle Visualization
- Newly developed multi-frequency probes up to 18 Mhz
- Portable system with built-in battery
- Start-up from standby within 15 seconds
- Excellent for MSK / orthopaedic, nerve, vascular and anaesthesia
- Rotatable and tiltable 15 inch touchscreen

Mindray Medical · Resona 7

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D, V Flow(Vector Flow)

Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume

Transducer inputs 1 – 20 MHz

Highlights
- Powered by ZST+ platform, the next generation ZONE Sonography Technology based on Channel Domain Software processing.
- A premium ultrasound system that helps customers to see more.
- Faster and more accurate images.
- Complete functionality for Radiology and clinical research
- Multi-modality diagnosis with Fusion

Mindray Medical · Resona 6

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D

Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume

Transducer inputs 1 – 20 MHz

Highlights
- Powered by ZST+ platform, the next generation ZONE Sonography Technology based on Channel Domain Software processing.
- A premium ultrasound system that helps customers to see more.
- Faster and more accurate images.
- Complete functionality for Radiology and clinical research

Mindray Medical · DC-8 Exp

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D

Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume, Pedoff, TEE

Transducer inputs 1 – 16 MHz

Highlights
- Brand new imaging architecture for more powerful and intelligent processing
- Advanced transducer series for maximised penetration
- Encompass a comprehensive range of clinical exams including abdominal, OB / GYN and small parts
- Intelligent auto optimisation to achieve best imaging setting in one keystroke
- Standard workflow protocol to improve exam consistency and efficiency

Mindray Medical · DC-80A with X-Insight

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D

Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, Single Crystal convex volume, endo-cavity volume

Transducer inputs 1 – 20 MHz

Highlights
- Superb 3D / 4D with single crystal volume and Hyaline
- Outstanding ABD image in both penetration and resolution
- Most intelligent Smart Planes CNS and Smart Face
- Largest touch screen(13.3") & Full HD monitor (21.5"/23.8"), 5 active sockets

Mindray Medical · DC-80 with X-Insight

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D

Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume

Transducer inputs 1 – 20 MHz

Highlights
- ComboWave transducers 3T with single crystal, interventional transducer
- Best in class shear wave(STE & STQ), NTE (shell), UWN+ CEUS, ART Flow, TT QA, LVO
- Dual-wing floating arm, powerful and intuitive gestures, MedTouch

Mindray Medical · DC-70 with X-Insight

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D

Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, Single Crystal convex volume, endo-cavity volume

Transducer inputs 1 – 20 MHz

Highlights
- Top in class 3D/4D with single crystal volume and Hyaline
- Best in class ABD image in both penetration and resolution
- Most intelligent Smart Planes CNS and Smart Face
- Largest Full HD monitor (21.5"/23.8") and ultra-slim touch screen(13.3")

ULTRASOUND

Mindray Medical · DC-60 Exp with X-insight

Mode B, C, M, PW, CW, Power (DirPower),TDI, CM (Color M), 4D
Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, Single Crystal convex volume, endo-cavity volume
Transducer inputs 1 – 16 MHz

Highlights
- Quality exams guaranteed by 3T transducer technology and Echo-enriched beamformer
- Obtain realistic view of the fetus via iLive technology
- MedSight, interactive app to transfer clinical images via iOS or android powered smart device
- Range of application specific auto measurement packages to improve productivity

Mindray Medical · M9

Mode B, C, M, PW, CW, Power(DirPower), TDI, CM (Color M)
Scan format Single Crystal Phased Array, Linear, Phased array, convex,endo-cavity, Pedoff, TEE
Transducer inputs 1 – 16 MHz

Highlights
- Advanced premium level laptop style color Doppler offering easy handling and mobility
- Rich in technology such as 3T transducer with single crystal and high dynamic range flow
- Ideal shared-service solution suitable to be used within muptiple clinical settings
- Intelligent workflow with iTouch (one key image optimisation)
- User-defined operation to improve work efficiency

Mindray Medical · M7 Premium

Mode B-mode, M-mode, color-mode, power-mode, PW / CW Doppler-mode
Scan format TEE, linear, convex, phased array, micro-convex, endo-cavity, 4D-volume
Transducer inputs 2 – 16 MHz

Highlights
- 15" LCD monitor
- Free Xros M-mode: anatomic M-mode
- Contrast imaging
- Elastography imaging
- Stress Echo
- TDI and QA
- Free Xros CM: curved anatomic M-mode
- IMT
- iNeedle: needle visualization enhancement

Mindray Medical · TE7

Mode B, C, M, PW, CW, Power (DirPower), CM (Color M)
Scan format Convex, Phased array, Linear, endo-cavity, endo-cavity volume, Pedoff, TEE
Transducer inputs 2 – 16 MHz

Highlights
- Touch enabled repsonse providing simple control and setting optimization
- Touch-screen gestures such as pinch to zoom in or out
- Three second boot up from standby and swift touch response of settings
- Equipped with efficiency-boosting features iNeedle, iZoom, iTouch and Smart Track
- Easy to transport and store, can be mounted on trolley, desktop table or wall

Mindray Medical · ZS3

Mode B, C, M, PW, CW, Power (DirPower), TDI
Scan format Phased array, convex, Linear, endo-cavity, TEE, Pedoff
Transducer inputs 1 – 20 MHz
Weight 66 kg

Highlights
- ZONE Sonography Technology (ZST) featured
- Focused image across the full field of view
- Faster acoustic acquisition
- Patient specific imaging
- Novel Techniques
- Mobile system with battery
- High frequency linear transducer
- Contrast enhanced ultrasound imaging

Mindray Medical · Z.One PRO

Mode B, C, M, PW, CW, Power (DirPower), TDI
Scan format Phased array, convex, Linear, endo-cavity, TEE, Pedoff
Transducer inputs 1 – 14 MHz
Weight 66 kg

Highlights
- ZONE Sonography Technology (ZST) featured
- Focused image across the full field of view
- Faster acoustic acquisition
- Patient specific imaging
- Novel Techniques
- Mobile system with battery

Samsung · RS85

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil, Endovaginal, TEE
Transducer inputs 4

Highlights:
- Premium ultrasound system that adopted the integrated solution built with exquisite image quality and expert tools
- Advanced imaging functions (MV-Flow, HQ Vision)
- Quantitative measurement tools (S-Shearwave, S-Shearwave Imaging, S-3D Arterial Analysis)
- Interventional procedure (S-Fusion)
- Contrast enhanced ultrasound (CEUS+)
- Diagnostic guidance tool (S-Detect)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Needle guidance tools (S-Tracking, NeedleMate+)
- 23" LED monitor / 13.3" tilting touch screen

Samsung · RS80A with Prestige

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Premium ultrasound system that offers superior imaging performance for radiology
- Interventional procedure (S-Fusion)
- Contrast enhanced ultrasound (CEUS+)
- Quantitative measurement tools (S-Shearwave, S-3D Arterial Analysis)
- Advanced imaging function (HQ Vision)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Diagnostic guidance tool (S-Detect)
- Needle guidance tools (S-Tracking, NeedleMate+)
- 23" LED monitor / 13.3" tilting touch screen

Samsung · WS80A with Elite

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D
Transducer inputs 4

Highlights:
- Premium ultrasound system with innovative technologies for women's health
- Efficient diagnosis with 5D solutions (5D Heart Color, 5D CNS+, 5D Follicle, 5D NT, 5D Limb Vol.)
- Innovative volume rendering technologies (Crystal Vue Flow, Crystal Vue, Realistic Vue)
- Ovarian tumor classification tool (IOTA-ADNEX)
- Accurate diagnosis for breast (S-Detect, E-Strain)
- Elastography for cervix (E-Cervix)

Samsung · HS70A with Prime

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- High-end ultrasound system enables high efficiency in practice
- Diagnostic guidance tool (S-Detect)
- Contrast enhanced ultrasound (CEUS+)
- Quantitative measurement tools (S-Shearwave, Arterial Analysis)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Cardiac solutions (Strain+, Stress Echo)
- Needle guidance technology (NeedleMate+)
- 23" LED monitor / 10.1" touch screen

Samsung · HS60

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- High-end ultrasound system with versatile diagnostic solutions
- Advanced imaging functions (S-Harmonic, ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Elastography for breast with strain ratio (E-Strain)
- Cardiac solution (Strain+)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen

Samsung · HS50

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Slim and compact ultrasound system for wide applications range
- Advanced imaging functions (S-Harmonic, ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Highly sensitive elastography (ElastoScan)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen

ULTRASOUND

Samsung · HS40

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D, Freehand 3D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Fully equipped ultrasound system for everyday efficiency
- Advanced imaging functions (S-Harmonic, ClearVision, MultiVision)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Cardiac solution (Strain+)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen / Gas lift / Side pocket

Samsung · H60

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Slim and compact ultrasound system for wide applications range
- Advanced imaging functions (ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Needle guidance technologies (NeedleMate, Beam Steer)
- Semi-automated bodymark tool (e-Motion Marker)
- User-oriented features (QuickScan, EZ-Exam+)
- 21.5" LED monitor / 10.1" touch screen

Samsung · HM70A with Plus

Mode 2D, M, Color, PD, S-Flow, PW / CW, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 3

Highlights:
- Laptop design to suit various diagnostic environments
- Advanced imaging functions (ClearVision, HDVI, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT)
- Highly sensitive elastography (ElastoScan)
- Needle guidance technology (NeedleMate)
- User-oriented features (ADVR, EZ-Exam+, QuickScan)
- Fast booting within 20 sec
- Full screen mode
- 15" LED monitor / Optional cart (3 transducer ports / extended battery)

Samsung · PT60A

Mode 2D, M, Color, PD, PW
Scan format Convex, Linear, Phased
Transducer inputs 3

Highlights:
- Improved point-of-care usability with tablet design
- Advanced imaging function (ClearVision)
- Needle guidance technologies (NeedleMate, Beam Steer)
- Simple and accurate intima-media thickness measurement (Auto IMT)
- User-oriented feature (QuickScan)
- 10.1" LED full touch screen monitor / Lightweight (3.6 kg) / Long battery life (80 Min)
- Optional cart (height-adjustable / 3 transducer ports / basket space / encased printer)

Siemens Healthineers · ACUSON S3000 HELX Evolution

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, color M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI, CEUS
Scan format Linear, curved / convex, phased array, endo-cavity, pencil
Transducer inputs 3 ports for micro-pinless transducers, 1 parking, 1 pencil

Highlights
- Superior imaging performance in General Imaging and Interventional Radiology with next generation HD transducer technology
- Advanced applications to expand clinical capabilities: eSieFusion multi-modality imaging, ARFI shear wave & manual elastography, contrast-enhanced ultrasound
- Intuitive, user-centric workflow design with simplified control panel to eliminate unnecessary keystrokes

Siemens Healthineers · ACUSON S2000 HELX Evolution

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI, CEUS
Scan format Linear, curved/convex, phased array, endo-cavity, pencil
Transducer inputs 3 ports for micro-pinless transducers, 1 parking, 1 pencil

Highlights
- Superior imaging performance in General Imaging and Women's Health with next generation HD transducer technology
- Advanced applications to expand clinical capabilities: Automated Breast Volume Scanning (ABVS) enabled, ARFI shear wave and manual elastography, contrast-enhanced ultrasound
- Intuitive, user-centric workflow design with simplified control panel and eSieScan workflow protocols

Siemens Healthineers · ACUSON S2000 Breast Volume Scanner

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI

Scan format Linear, ABVS module (15.4 x 16.8 cm)

Transducer inputs 3 micro-pinless transducer ports, 1 parking,

Highlights

- Automated volume acquisition for operator-independent, standardized 3D imaging to enable consistent, reproducible results improving the quality of breast imaging
- Excellent 2D imaging capabilities using hand-held high-frequency HD transducers
- Advanced technologies to expand clinical capabilities: Manual and shear wave elastography, multi-modality review
- Read anytime. Anywhere. *syngo*.Ultrasound Breast Analysis reading software

Siemens Healthineers · ACUSON S1000 HELX Evolution

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography, CEUS

Scan format Linear, curved / convex, phased array, endo-cavity, pencil

Transducer inputs 3 micro-pinless transducer ports, 1 parking, 1 pencil

Highlights

- Excellent imaging performance with next generation HD transducer technology
- Advanced technologies to expand clinical capabilities: Manual elastography, multi-modality review, contrast-enhanced ultrasound
- Efficient workflow design with intuitive, user-centric interface, simplified control panel to reduce repetitive hand movements and eSieScan workflow protocols

Siemens Healthineers · ACUSON X700

Mode B-mode, phased and filtered THI, color, color velocity mode, Power Doppler, bi-directional power Doppler, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical I M-mode

Scan format Curved, phased & linear array, endo-cavity, 3D / 4D imaging

Transducer inputs Supports micro-pinless and DL type connectors

Highlights

- Excellent image quality with shared premium transducers and imaging technologies
- Fully-featured for adult and pediatric exams
- 3D / 4D imaging with new ergonomic, lightweight transducers

Siemens Healthineers · ACUSON X600

Mode B-mode, phased and filtered THI, color, color velocity mode, power Doppler, bidirectional power Doppler, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical I M-mode

Scan format High density phased array, curved array and linear array, 2D

Transducer inputs 3 DL (260) type connectors

Highlights

- Optimized workflow to improve patient throughput
- QuickStart standby mode to facilitate rapid mobility between scanning rooms
- 3D / 4D imaging with new ergonomic, lightweight transducers

Siemens Healthineers · ACUSON X300 Premium Edition

Mode B-mode, color M-mode, M-mode, color Doppler velocity mode, Power Doppler mode, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler mode (CW), duplex mode, triplex mode

Scan format Curved array, phased array, linear, endo-cavity, 3D / 4D imaging

Transducer inputs 3

Highlights

- Excellent imaging performance through excellent detail and contrast resolution
- High temporal resolution in 2D
- TGO tissue grayscale optimization technology for more consistent image quality
- High quality 4D imaging through Advanced FourSight technology
- Exceptional clinical performance across a variety of applications and patient body types
- Easy-to-use ErgoDynamic imaging system design

Siemens Healthineers · ACUSON Freestyle

Mode B-mode, Velocity Color Doppler, Power Color Doppler, Wide (trapezoidal imaging) Mode

Scan format Curved array, linear array

Transducer inputs Wireless

Highlights

- With cable-free technology to offer unrestricted access to practitioners at the point of care, allowing quicker turnaround time
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display improve procedural confidence in interventional settings
- Empowered workflow with zero cable-drag and single-user operation via integrated scanning controls

ULTRASOUND

Siemens Healthineers · ACUSON Freestyle Elite

Mode B-mode, Velocity Color Doppler, Power Color Doppler, Wide (trapezoidal imaging) Mode
Scan format Curved array, linear array
Transducer inputs Wireless

Highlights
- With cable-free technology to offer unrestricted access to practitioners at the point of care, allowing quicker turnaround time
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display may improve procedural confidence in interventional settings
- Automatically populate patient registration data between systems with Artis Patient Synchronization using Artis Access

Siemens Healthineers · ACUSON SC2000 PRIME

Mode 2D, volume B-mode, M-mode with Native tissue harmonic imaging (THI), color Doppler (CDV, DTV, DTE), spectral Doppler (PW, CW, Tissue, HPRF, Auxiliary CW), Contrast Agent Imaging (3D volume, 2D thin volume LVO), full volume imaging (with TEE)
Scan format Linear, curved, matrix, vector
Transducer inputs 3 universal ports supporting micro-pinless transducers

Highlights
- One-click automated aortic and mitral valve modeling and measurements within seconds with eSie Valves
- Capable of 2D and 3D TTE, TEE, and ICE and TrueFusion on one system
- Comprehensive 1-click knowledge-based advanced clinical applications: eSie Measure, eSie LVA, eSie Left Heart and eSie Valves
- Advanced applications to support routine echo and interventional guidance with eSie PISA, eSie VVI, Volume Right Ventricular Analysis (RVA), Septal Guide, TrueFusion and more

Siemens Healthineers · ACUSON P500

Mode 2D with phased, alternative and filtered tissue harmonic imaging (THI), velocity color Doppler, Power color Doppler, spectral PW Doppler, spectral steerable CW Doppler, spectral duplex and triplex Doppler, M-mode, B-mode
Scan format Linear, curved, phased array, endo-cavity
Transducer inputs 3 microCase transducer ports

Highlights
- innovative technologies that automatically detect and prevent motion artifacts, reduce noise, and simultaneously enhance color
- 15" infrared touch screen improves gesturing accuracy
- Increase patient throughput with mobile quick scanning and boot-up times of less than 30 seconds
- The new IntraCardiac Echocardiography (ICE) Edition integrates the imaging capabilities of the ACUSON AcuNav catheters providing real-time visualization of cardiac anatomy within the heart

Siemens Healthineers · ACUSON NX3 Elite

Mode B-Mode, Phased and filtered THI, color Doppler, Power Doppler, color velocity mode spectral Doppler, M-mode, PW, SCW, 3D / 4D imaging, pulse wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical
Scan format Linear, curved / convex, phased array, endo-cavity, pencil
Transducer inputs 4 active transducer ports that support phased array, curved array and linear array transducers

Highlights
- Powerful platform driven by efficiency and built for performance.
- Intuitive user interface with up to 28 % fewer keystrokes and 3x more user-defined keys
- 21.5" HD display and 220° endo-cavity transducer provides expanded field of view
- 10.4 inch touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens Healthineers systems

Siemens Healthineers · ACUSON NX3

Mode B-Mode, phased and filtered THI, color Doppler, Power Doppler, color velocity mode, spectral Doppler, M-mode, PW, SCW, 3D / 4D imaging, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical
Scan format Linear, curved / convex, phased array, endo-cavity, wobbler
Transducer inputs Up to 4 active transducer ports, (3 standard) that support phased array, curved array and linear array transducers

Highlights
- Powerful platform driven by efficiency and built for performance.
- Intuitive user interface with up to 28 % fewer keystrokes and 3 x more user-defined keys
- 21.5" HD display provides expanded field of view
- 10.4 inch touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens Healthineers systems

Siemens Healthineers · ACUSON NX2

Mode B-mode, Phased and filtered THI, Alternating THI, Color Doppler, Power Doppler, Velocity-based color Doppler, M-mode, SCW, pulse wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. Color & Anatomical
Scan format Linear, curved/convex, phased array, endo-cavity
Transducer inputs Up to 4 active transducer ports (3 standard)

Highlights
- Provides premium imaging performance using a cost-efficient, eight-transducer set to perform a wide range of exam types at a sustainable value
- Intuitive control panel design combined with up to four front-facing transducer ports optimize workflow efficiency
- Large 21.5" 1080 p HD display; Twice the pixel density
- Simplified control panel designed to enable operator efficiency and speed-up completion of essential tasks

Siemens Healthineers · ACUSON NX2 Elite

Mode	B-mode, Phased and filtered THI, Alternating THI, Color Doppler, Power Doppler, Velocity-based color Doppler, M-mode, SCW, pulse wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. Color & Anatomical
Scan format	Linear, curved/convex, phased array, endo-cavity, Pencil
Transducer inputs	4 standard transducer ports

Highlights

- Provides premium imaging performance using a cost-efficient, ten-transducer set to perform a wide range of exam types at a sustainable value
- Intuitive control panel design combined with up to four front-facing transducer ports optimize workflow efficiency
- Large 21.5" 1080 p HD display; Twice the pixel density
- Migrated optional advanced clinical applications such as DTI, eSie Touch elasticity & advanced foursight technology

ULTRASOUND

SIUI · Apogee 5800

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 6

Highlights
- 19" Medical LCD monitor / 10.4" touch screen
- Detachable heating cup for gel, temperature controllable
- Control panel up and down, left and right moveable
- Integrated control panel with keyboard
- Probe socket with hook
- Ultracloud
- Technology: MFI / VS-Flow / XBeam / Nanoview
- Imaging Solution: 4D Pro / Elastography (Option) / Panoscope

SIUI · Apogee 5500

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- 19" medical LCD monitor / 10.4" touch screen
- Detachable heating cup for gel, temperature controllable
- Probe socket with hook
- Ultracloud
- Technology: MFI / Wideband-beam Emission Technology / VS-Flow / XBeam
- New 4D imaging tools: nSlice / Q-Cut / Opti-4D

SIUI · Apogee 5300

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, TDI-mode, 3D & 4D mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- 18.5" medical LCD monitor/ 10.4" touch screen
- Distinct control panel with intuitive layout
- Technology: XBeam / Nanoview / Fusion-Freq / Panoscope / Fusion Tissue / Harmonic (Fusion THI) / Auto-Fit
- 4D Pro: nSlice, Q-Cut, Opti-4D
- Smart Elastography for breast exams
- Tissue Doppler Image and Continuous Wave Doppler for cardiology

SIUI · Apogee 3500 Elite

Mode B-mode, M-mode, Color / CPA / DPA /TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- 18.5" LCD monitor / 8.4" touch screen
- Independent probe and cable management
- Four active probe connectors
- Advanced 4D experience in OB / GYN
- Smart Elastography
- Advanced cardiac functions including TDI, AMM etc.
- Intuitive workflow: Auto EF, Auto-fit, Auto IMT measurement, Smarchive

SIUI · Apogee 3300 Neo

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-Mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- Self-owned 4D technology and 4D volumetric probe
- CW
- Streamlined workflow: Auto EF, Smarchive, Intuitive control panel

SIUI · Apogee 1000 Neo

Mode B-mode, M-mode, Color /CPA/DPA/TDI-mode, PWD-mode, CW-mode, Elastography-Mode

Scan format Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs Bulit-in: 1 / Optional: external up to 2 or 4

Weight 5 kg (without battery)

Highlights
- 15" LCD monitor 90° left and right rotatable
- Track ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- Operational accessories: mini desktop probe extender, trolley and travelling backpack
- Superb Technology: MFI / Nanoview
- Comprehensive Diagnostic Tools: TDI / Continuous Wave Doppler / Simpson auto tracing

SIUI · Apogee 2300

Mode B-mode, M-mode, Color / CPA / DPA /TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-Mode
Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane
Transducer inputs 2

Highlights
- Compact design
- 15" medical LCD with tilting angle
- User-orientated control panel
- Dual probe connectors
- Replaced Li-ion batteries
- Powerful imaging technology: MFI / XBeam / Nanoview / Fusion-THI / VS Flow
- Versatile application packages: 4D Pro / Auto IMT measurement / CW / TDI / Color M / Elastograghy

SIUI · Apogee 2100

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, 3D & 4D-mode, Elastography-mode
Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectral, Bi-plane
Transducer inputs 2

Highlights
- Leading imaging technology: MFI / XBeam / Nanoview / Fusion-THI
- Comprehensive diagnostic application: 4D Lite / Auto IMT measurement / CW
- User-friendly workflow: Auto-Fit / Trapezoid and ExFOV / HD Zoom / DICOM

SIUI · CTS-8800 Plus

Mode B-mode, M-mode, PWD-mode, 3D & 4D Mode
Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane
Transducer inputs 2

Highlights
- OB / GYN 4D performance (option)
- Excellent 4D imaging compared favorably with color Doppler mode
- Multi-rendering modes (includes surface, X-Ray and Max modes)
- Auto 3D imaging
- Functionally versatile: B / W & PW / Spatial compound imaging (option) / Upgradable CFM function (option)
- Compact design: 15" medical LCD / Built-in lithium battery (option) / Trolley for mobile use (option)

SIUI · CTS-5000

Mode B-mode, M-mode, PWD-mode, 3D & 4D-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane, 4D volume
Transducer inputs 3

Highlights
- 15" high resolution medical LCD color monitor
- Smart one key optimization
- Auto IMT measurement
- Panoscope
- Freehand 3D
- Color Doppler upgradable

SIUI · CTS-6600

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal
Transducer inputs 2

Highlights
B / W ultrasound with complete applications
- 15" resolution medical LCD
- Scanning depth up to 252 mm
- Probe frequency range from 2.0 to 12.0 MHz
- Tissue Harmonic Imaging
- With or without built-in lithium battery in two version
- Comprehensive measurement package

SIUI · CTS-5500 Plus

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal
Transducer inputs 2

Highlights
Portable Digital B / W Ultrasound System
- Monitor: 10" LCD monitor
- Powerful digital beamforming technology
- Unique high-definition zooming function
- IP one-key optimization
- Two probe conncectors as standard
- 2 USB ports

ULTRASOUND

SIUI · Apogee 5300V Neo

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, CW mode, 3D & 4D-mode, Elastography-mode

Scan format Linear, Convex, Phased array, Micro-convex, Trans-rectal, 4D volume

Transducer inputs 4

Highlights

- Ergonomic design with 10.4" touch screen
- Detachable heating cup for gel (optional)
- Advanced technology: MF / Nanoview / XBeam / FusionFreq / Fusion THI etc
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive
- Complete application: abdomen, reproductive systems, cardiology, etc
- Powerful data management including report, hard disk, DICOM 3.0, USB prots and DVD-RW

SIUI · Apogee 1000V Neo

Mode B-mode, M-mode, Color /CPA/DPA/TDI-mode, PWD-mode, CW-mode

Scan format Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal

Transducer inputs Bulit-in: 1 / Optional: external up to 2 or 4

Weight 5 kg (without battery)

Highlights

- 15" Monitor 90° left and right rotatable
- Touch panel and rolling ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- New technology: MFI, Nanoview / XBeam, FusionFreq / Fusion THI and so on
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive / Ultracloud
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · Apogee 2300V

Mode B-mode, M-mode, Color / CPA / DPA /TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal

Transducer inputs 2

Highlights

- 15" Monitor 90° left and right rotatable
- Touch panel and rolling ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- New technology: MFI, Nanoview / XBeam, FusionFreq / Fusion THI and so on
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive / Ultracloud
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · Apogee 2100V

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, 3D & 4D-mode

Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectral

Transducer inputs 2

Highlights

- 15" Monitor 90° left and right rotatable
- Touch panel and rolling ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- New technology: MFI, Nanoview / XBeam, FusionFreq / Fusion THI and so on
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive / Ultracloud
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · CTS-8800V Plus

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD mode, 3D & 4D mode, Elastography-mode

Scan format Linear, Convex, Micro-convex, Trans-rectal, 4D volume

Transducer inputs 2

Highlights

- 15" LCD monitor
- Built-in lithium battery (option)
- Color Doppler (option)
- Scanning depth up to 300 mm
- Probe frequency range from 2 MHz to 12 MHz
- User-programmable presetting for personal preference
- Advanced Speckle Reduction Technology with multiple sets
- Ports like USB, video out and HDMI for signal transfer
- Storage media: large capacity hard disk, USB disk and DICOM 3.0

SIUI · CTS-5500V Plus

Mode B-mode, M-mode, THI

Scan format Linear, Convex, Micro-convex, Trans-rectal

Transducer inputs 2

Highlights

Cost-effective ultrasound system beyond your expectation

- 10.4" LCD monitor
- Powerful digital beamforming technology
- Tissue harmonic imaging
- IP one-key optimization
- Two probe connectors as standard
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · CTS-900V Neo

Mode B mode, M mode, THI
Scan format Linear, Convex, Micro-convex, Trans-rectal, Linear (back fat)
Transducer inputs Bulit-in 1, Optional external up to 2

Highlights
Lightweight system with superior image quality
- As compact as 3.8 kg
- 10.4" high resolution LCD monitor
- Built-in battery for 2-hour operating time
- Display mode includes B, 2B, 4B, M and B / M mode
- B mode cine loop playback up to 256 frames
- 4G CF card for image and cine storage
- Probes with five frequency variation

SIUI · CTS-800

Mode B mode, M mode
Scan format Linear, Convex, Micro-convex, Trans-rectal, Linear (back fat)
Transducer inputs 1
Weight 0.8 kg

Highlights
Handheld ultrasound scanner for farm animals
- 7" WVGA LCD monitor
- Environmental rating: IP54 (main unit) and IP67 (probe head)
- Battery can last three hours for operating
- Software and report for reproductive system
- Gravity sensor for layout change (transverse / vertical)
- Measurement for distance, area, circumference, volume, angle, heart rate
- Video glasses (option)

SuperSonic Imagine · AIXPLORER ULTIMATE

Mode B, Color, Directional Power, PW Doppler, M, CEUS, ShearWave Elastography (SWE) 3D B-mode and SWE, UltraFast Doppler Angio PL.U.S, Needle PL.U.S.
Scan format Linear, Convex, Endocavity, Micro-convex, Phased, 3D, Panoramic
Transducer inputs 4 Ports, over 100 Clinically Optimized Presets

Highlights
- Impeccable Image Quality
- Next-generation software-based UltraFast beamformer (20,000 fr / sec)
- Real-time Quantitative ShearWave Elastography in a full High-Res 2D area. Optimized on a wide range of probes and applications
- UltraFast Doppler: Full retrospective spectral analysis of multiple PW sample volumes simultaneously
- Navigation and Fusion
- Ultrasensitive Angio PL.U.S. Doppler
- Outstanding ergonomics. Fast, reproducible, cost effective workflow

ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology · CIRS Phantoms

Highlights
- Fetal ultrasound phantom family
- Doppler Flow Phantom
- Quality assurance test phantoms
- Ultrasound Accreditation Phantoms
- Male and female ultrasound pelvic phantoms
- Prostate phantom family – Breast phantom family
- Thyroid ultrasound training phantom
- Kidney training phantom
- Vascular access training phantom kit
- Shear Wave Liver Fibrosis Phantoms
- Elastography Phantoms

Hitachi · Aloka AOS-100E EggQus

Size 32 x 38 x 18 cm (W x D x H) / weight ~4 kg
Measurement item (SOS) Speed of Sound
Power Battery / AC adaptor

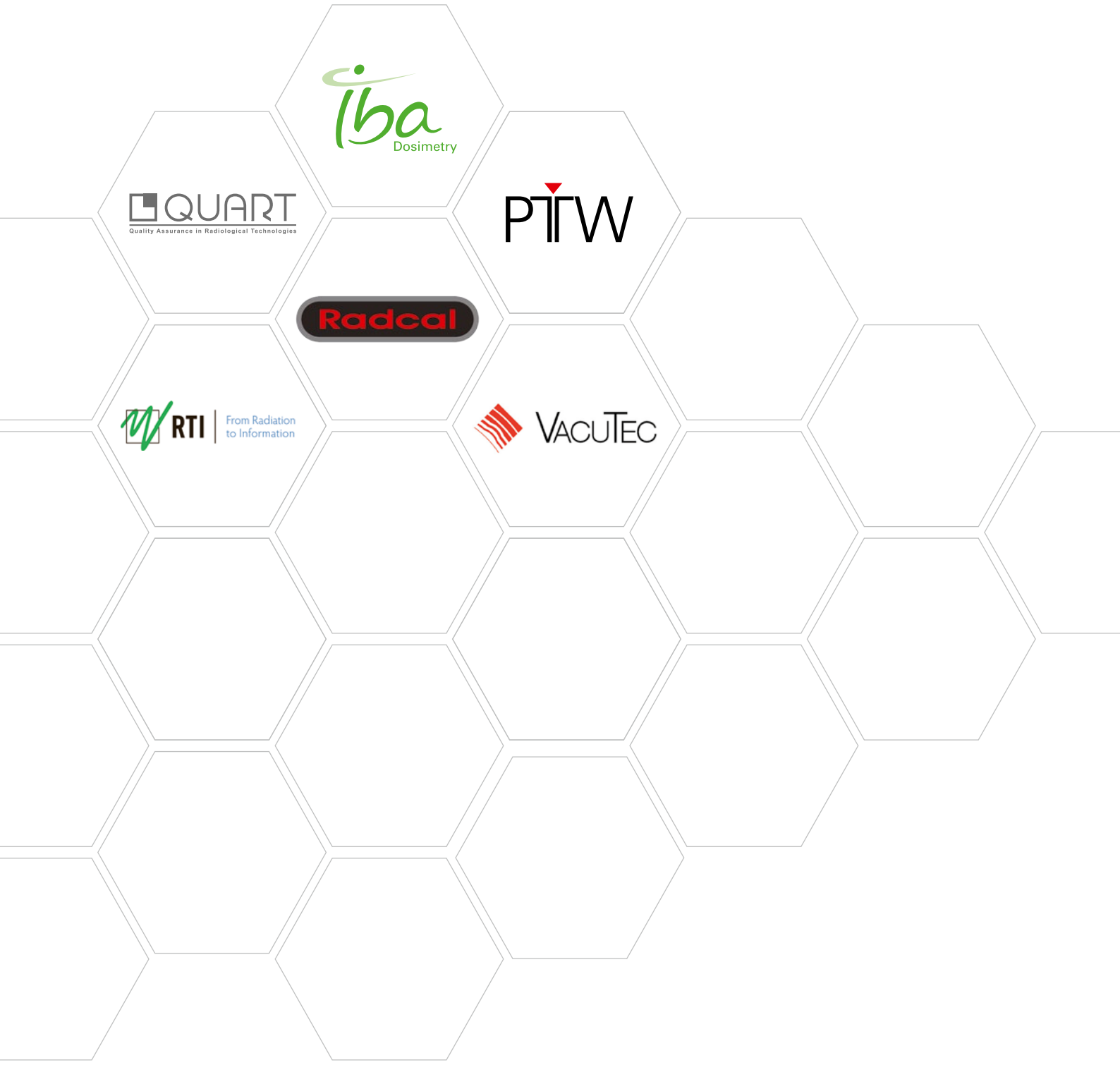
Highlights
- Designed for maximum portability
- Compact and handy compared to conventional quantitative ultrasound systems
- The large integral handle facilitates in-hospital rounds and house visits
- Powered by rechargeable batteries, AC-adaptor available for long continuous measurement
- Measurement using Speed of Sound
- Approx. three Seconds Measurement Time (measurement performed on a PC)

Hitachi · Aloka AOS-100SA

Size 32 x 53 x 27cm (W x D x H) / weight ~ 14 kg
Measurement item OSI (Osteo Sono Assessment Index), BUA (Broadband Ultrasound Attenuation), TI (Transmission Index), SOS (Speed of Sound)
Power AC

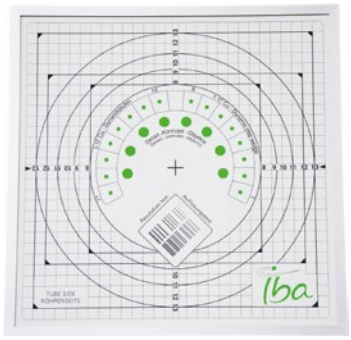
Highlights
- Reliability under all circumstances – from routine checkup to screening of the elderly and children
- Color touch panel LCD, printer for direct measurement output, data memory, all included in single unit
- OSI (Osteo Sono Assessment Index) works as a comprehensive index reflecting Speed of Sound and wave band
- Short measurement time (~ 2 seconds) for rapid handling of elderly and other patients

Testing Devices



TESTING DEVICES

IBA Dosimetry · Test Device Primus A

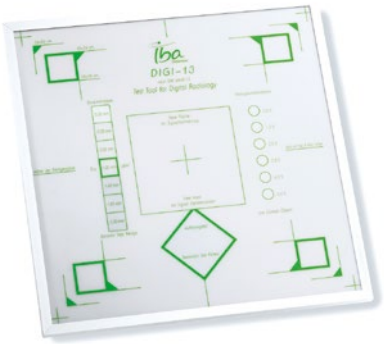


Highlights

Test device Primus A is designed according DIN 6868-150 & DIN 6868-4 for Quality assurance at radiography and fluoroscopy systems.

- 17 steps for dynamic verification
- 8 low contrast sensitivity circles
- Grid for easy and efficient determination of light- & beam field alignment as well as geometrical distortions

IBA Dosimetry · DIGI-13



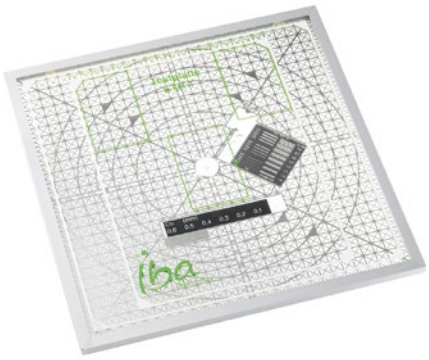
Highlights

For quality checks at digital radiographic systems (CR / DR) according DIN 6868-13.

Test parameter:

- Uniformity
- Spatial resolution
- Alignment of light and beam field
- Image scale
- Artifacts
- Geometrical distortion

IBA Dosimetry · ETR1 incl. Centering Tube



Highlights

For quality checks of conventional radiography systems; according DIN 6868-3; including holder for chest wall stand.

Test parameter:

- Spatial resolution
- Low contrast
- Alignment of light and beam field
- Geometrical distortion
- Measuring areas for optical density

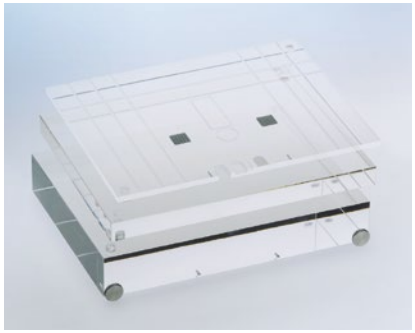
IBA Dosimetry · Mammo-162

Highlights

For quality assurance / acceptance test of digital Mammography Systems, according DIN 6868-162.

- 40 mm base plate with integrated Al step wedge and 2 rows of steel balls, for checking the image limitation towards the thorax side.
- 6 mm structural plate with recess for test inserts
- Test insert: PMMA, SDNR & High Contrast
- 3 x 20 mm / 1 x 10 mm / 1 x 4 mm PMMA attenuation plates
- 1 x 20 mm PMMA full field attenuation plate (260 x 320 mm)

IBA Dosimetry · Mammo-152



Highlights

For quality assurance / acceptance and constancy tests according DIN 6868-152, DIN 6868-7, IEC 61223-3-2 and EPQC (EUREF) in conventional mammography.

Test parameter:

- Object thickness and tube voltage compensation resp. AEC reproducibility
- Spatial and contrast resolution
- Artifacts / Geometry
- Check of the image limitation towards the thorax side

IBA Dosimetry · Mammo-14

Highlights

For quality assurance / constancy test at digital mammography systems according DIN 6868-14.

- 40 mm base plate with integrated Al step wedge and 2 rows of steel balls, for checking the image limitation towards the thorax side.
- 6 mm structural plate with recess for test inserts
- Test insert: PMMA, SDNR & High Contrast
- 3 x 20 mm / 1 x 10 mm / 1 x 4 mm PMMA attenuation plates
- 2 x 20 mm PMMA full field attenuation plate (260 x 320 mm)

TESTING DEVICES

IBA Dosimetry · DSA Test Device

Highlights
For Quality Assurance of "Digital Subtraction Angiography" (according DIN 6868-150, DIN 6868-4, IEC 61223-3-3)

Test parameter:
- Cupper dynamic step wedge with logarithmic check
- DSA contrast sensitivity
- Artefacts

IBA Dosimetry · DVT-3D

Highlights
Test of 3D image quality of "Digital Volume Tomography" (DVT) systems, according DIN 6868-150 / DIN 6868-4.

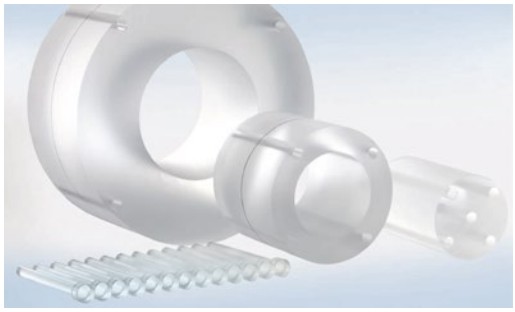
Optional Carbon adapter for easy and precise positioning in the beam without artifacts.

Test parameter:
- Detail resolution
- Uniformity and noise
- Laser marks for convenient positioning in iso-center

IBA Dosimetry · 2-part PMMA CT-Phantom

Highlights
Phantom for measurements of CTDI according IEC 60601-2-44, IEC 61223-3-5, IEC 61223-2-6.
- 1 Adult Head-Phantom, 16 cm diameter, 5 holes
- 1 Adult Body anulus, 32 cm diameter, 4 holes
- 9 Acrylic rods for plugging in all phantom holes

IBA Dosimetry · 3-part PMMA CT-Phantom



Highlights
Phantom for CTDI measurements, according IEC 60601-2-44, IEC 61223-3-5, IEC 61223-2-6.
- Innovative 3-part nested phantom according FDA 21 CFR 1020.33.
- 1 Pediatric Phantom, 10 cm diameter, 5 holes
- 1 Adult Head anulus, 16 cm diameter, 4 holes
- 1 Adult Body anulus, 32 cm diameter, 4 holes
- 13 Acrylic rods for plugging in all phantom holes

IBA Dosimetry · Multimeter MagicMaX Universal

Highlights
Usable with different detectors:
- XR – Radiography/ Fluoroscopy /Dental
- XM – Mammography
- DCT10-MM – Ionization Chamber for CT

Measurement parameter:
Dose / dose rate – dose per pulse – kVp / PPV –time –total filtration – HVL – wave form – dose, dose rate length product for CT

IBA Dosimetry · Dosimax plus I

Highlights
Single channel dose meter according IEC 61674 for quality assurance at Radiography-, Fluoroscopy-, Dental- and Mammography systems.
Available with RQA/ RQM / DEDX

Measurement parameter (DEDX):
- Dose: 20 µGy – 9,999 mGy
- Dose rate: 20 µGy/s – 400 mGy/s
- Time: 1 ms – 9,999 s

IBA Dosimetry · Dosimax plus A (HV)*

**Dosimax plus A HV with integrated high voltage for measurements at CTs with ionization chamber DCT10-RS*

Highlights

Single channel dose meter according IEC 61674 for acceptance tests at Radiography-, Fluoroscopy-, Dental- and Mammography systems.
Available with RQA / RQM / DCT10-RS*

Measurement parameter (RQA):
- Dose: 200 nGy – 9,999 mGy
- Dose rate: 80 nGy/s – 70 mGy/s
- Time: 1 ms – 9,999 s

IBA Dosimetry · Spot-Luminance meter LXcan

Highlights

For luminance measurements at image display devices according DIN 6868-157, DIN V 6868-57, IEC 61223-2-5 and AAPM TG18.
- Distance and contact measurement
- Easy targeting with a built-in camera and display
- Ultrasound distance sensor for the optimal distance

Optional photometric detector LX-LS to measure the Illuminace in combination with LXcan

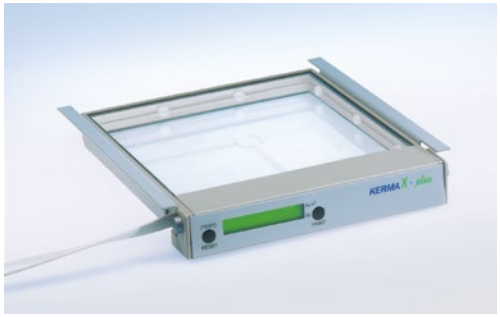
IBA Dosimetry · KermaX plus DDP "Duo"

Highlights

Multifunctional duo-channel dosimeter dedicated to measure DAP, DAP rate and exposure time in patient dose monitoring.
Two Rectangular, transparent ionization chamber with integrated electronics and one separate "Dual Line Display" with two very bright LED display lines.

Measurement parameter:
- DAP rate: 0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface: 2 x RS 232 (RIS/HIS and printer)

IBA Dosimetry · KermaX plus TinO IDP

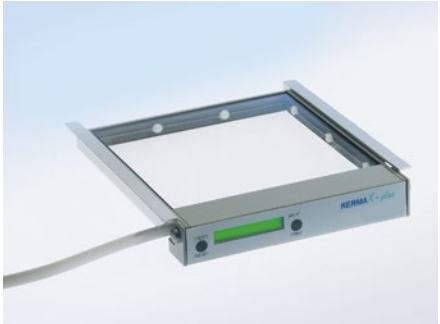


Highlights

Two in One – Dose Area Product and dose measurements in one Chamber.
Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display for easy and smart installation at collimator rails.

Measurement parameter:
- DAP rate: 0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface (optional): RS232, RS485, CAN

IBA Dosimetry · KermaX plus IDP

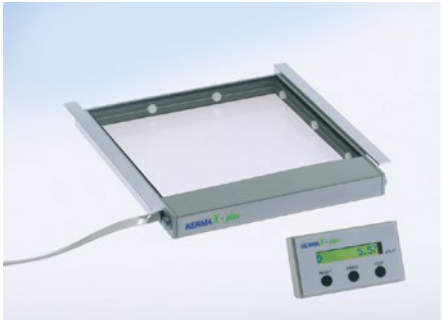


Highlights

Ideal solution for a quick and convenient retrofit installation to measure DAP and DAP rate for patient dose monitoring.
Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display.

Measurement parameter:
- DAP rate: 0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface (optional): RS232, RS485

IBA Dosimetry · KermaX plus SDP



Highlights

Easy to install standard dosimeter dedicated to measure DAP and DAP rate for patient dose monitoring.
Rectangular, transparent ionization chamber and separate 10-digit background lighting LCD "Single Line Display".

Measurement parameter:
- DAP rate: 0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface: 1 x RS232 (RIS/HIS or printer)

TESTING DEVICES

PTW · NOMEX Dosemeter

Highlights
- Diagnostic dosemeter (CE marked, class IIb certified) fully compliant with IEC 61674
- Suitable for CTDI measurements acc. to IEC 60601-2-44 using a 100 or 300 mm CT ion chamber
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: CTDI head and / or body PHANTOMS (CE marked, class I certified)

PTW · NOMEX System

Highlights
- Dosimetry system (CE marked, class IIb certified) acc. to IEC 61674
- Incl. NOMEX DOSEMETER and MULTIMETER (captures all dose values, time, kVp, TF, HVL, frequency, pulses, waveforms)
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: Test objects NORMI RAD/FLU, NORMI DSA, NORMI 3D (CE marked, class I certified)

PTW · NOMEX Dosemeter

Highlights
- Dosimetry system (CE marked, class IIb certified) acc. to IEC 61674
- Single exposure captures all dose values, kVp, time, TF, HVL, frequency, pulses and waveforms
- Angular independent for positioning within the beam
- Fully automatic adjustment
- Data and waveform export to Excel
- Ideal for tomosynthesis measurements
- Accessories: NORMI MAM test objects

QUART · dent / digitest Dental QA / QC Test Phantom

Highlights
- QUART dent /digitest 2D dental test phantoms are designed to assess x-ray imaging parameters according DIN and IEC QA / QC requirements.
- Features patient equivalent filtration and test objects to perform full-scale x-ray image quality analyses.

Parameters
- Spatial resolution
- High-contrast resolution
- Low-contrast resolution
- Homogeneity / artefacts
- Radiation field/tube alignment

QUART · didoEASY Diagnostic X-Ray Meters

Highlights
- The QUART didoEASY meters are designed for quick measurements of dose, dose rate and exposure time in X-ray QA / QC and service.
- didoEASY meters automatically compensate all radiation qualities in their area of application. Three meter versions are available: for R / F and Dental (40 – 160 kV), for Mammography (25 – 40 kV), and one for the full diagnostic range (25 – 160 kV).

QUART · didoNEO R Diagnostic X-Ray Dosemeter

Highlights

The QUART didoNEO introduces a new approach to diagnostic x-ray meters: it features the most compact base unit and most compact detector in the x-ray meter industry. The didoNEO R is used for QA and service in Radiography, (Pulsed) Fluoroscopy, DSA, Dental, 3D (CBCT).

- Compact multi-functional state-of-the-art solid state detector
- Enables measurements in spots with limited space
- Measures behind scatter radiation grids
- Direct measurement of DLP/DWP in dental OPG

QUART · didoSVM Precision Survey Meter

Highlights

- The QUART didoSVM Medical survey meter is designed to detect beta, gamma and x-ray sources of very low intensity around diagnostic x-ray equipment as well as in radiation therapy environments. Excellent energy response to measure radiation rate and dose.
- Its detection technology is based on solid-state components, enabling measurements with high sensitivity and very quick response.

QUART · didoCT Pencil Chamber Meter

Highlights

The QUART didoCT pencil-shaped ion chamber meter is designed for easy and precise dose-width product measurements.

- The meter does not require any pre-setting procedure for direct reading of DWP, rate and time.
- As an optional feature, the QUART didoCT can be supplied with free-in-air direct HVL measurement capability. This device feature is unique and had only been introduced by QUART in a CTDI chamber.

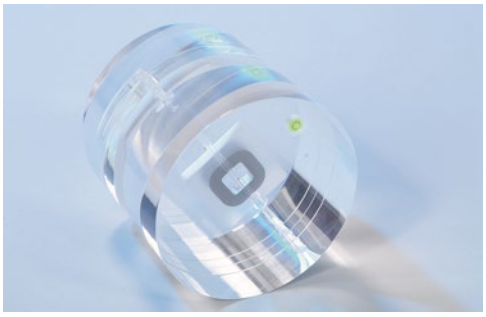
QUART · DSA Test Phantom

Highlights

- The QUART DSA phantom features longitudinal sliding technique to minimise structural movement artefacts in the test image. It complies with DIN 6868-4, 6868-150 and IEC 61223-3-3.
- A special characteristic of the phantom is that it realistically reproduces the injection procedure of the contrast agent into vessels with different attenuation properties.

TESTING DEVICES

QUART · DVT AP Cone-Beam CT Test Phantom

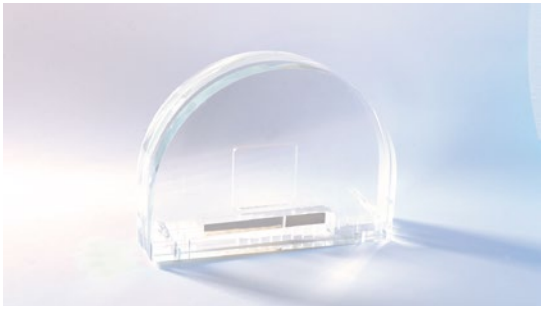


Highlights
- The QUART DVT AP phantom is designed for QA / QC at Cone Beam CT (CBCT), Dental Volume Tomography (DVT) and 3D imaging equipment.
- It is to be used in dental 3D imaging (according DIN 6868-161 requirements) as well as angiography in C-arm x-ray applications (manufacturer-specific applications). Based on latest research, the solution can also be utilised for standard CT IQ tests.

QUART · DVT 150 CBCT IQ Test Phantom

Highlights
- The QUART DVT 150 phantom is designed to meet the requirements of the German DIN 6868-150 x-ray imaging acceptance test standard.
- Handling and positioning of the phantom is easy and straight-forward. It enables quick and simple contrast resolution tests for 3D, ENT and angiography x-ray applications.

QUART · mam / digi Mammography IQ Phantom



Highlights
- The QUART mam / digi phantom is designed to be used as universal tool for QA / QC routine testing in Digital and Analog Mammography. The phantom creates a link between technical and clinical image quality. It can also be used as QA tool for Digital Tomosynthesis.
- The phantom incorporates QUART's unique Landolt ring objects. They serve to verify low-contrast and perceptibility limits.

QUART · SP dl R / F IQ Phantom

Highlights
- The QUART SP_dl phantom enables assessment of digital x-ray equipment according to the German DIN 6868-150 and DIN 6868-4.
- The phantom is available with a unique kV test object to assess radiation quality and generator performance on a routinely basis.
- For ease of use, a frame / extension is provided as well as a wire-mount system for use with wall stand units.

QUART · nonius Electronic X-Ray Ruler

Highlights
- The QUART nonius is a sophisticated, fully electronic x-ray ruler to verify size and geometrical properties of x-ray fields in Radiography and Mammography. It can also be used to analyse fanned CT or dental OPG x-ray beams.
- Its resolution capabilities and precision go down into to the nonius range of 0.1 mm!
- Take only 3 steps to obtain the test result: Position – Expose – Evaluate.

QUART · Anthropomorphic X-Ray Phantoms

Highlights
- Our German-made anthropomorphic phantoms allow repeated x-ray imaging of specific body regions. They are used in x-ray trainings or for specific equipment tests under life-like conditions.
- The phantoms comprise of real human bones embedded in tissue-equivalent material.

Available phantom versions
- Full Body
- Head
- Hand / Arm
- Hip / Spine
- Foot / Leg
- Special Training Phantoms

Radcal · Accu-Gold+

Highlights

- The most versatile dose measurement instrument available
- An excellent solution for Radiography, Fluoroscopy, Mammography, CT, and Dental applications
- Supports Radcal's full line of ion chambers and solid-state dose sensors
- Complimentary Accu-Gold software incorporates an easy-to-use interface customizable for your individual needs
- A streamlined Excel interface allows automated report generation – when your measurements are done, your report is done.
- Powerful waveform analysis tools provide a deeper understanding of the x-ray system
- Secure WiFi connectivity is available with the (optional) Nugget adapter

Radcal · Accu-Dose+

Highlights

- The most versatile dose measurement instrument available
- An excellent solution for all X-ray modalities
- Supports Radcal's full line of ion chambers and solid-state close sensors
- Complimentary Accu-Gold software incorporates an interface customizable for your individual needs
- A computer interface allows automated report generation
- Powerful waveform analysis tools provide a deeper understanding of the x-ray system
- Secure WiFi connectivity is available with the (optional) Nugget adapter

Radcal · Accu-Gold Touch

Highlights

- A comprehensive stand alone diagnostic test instrument
- Supports the full range of x-ray modalities incorporating the most extensive sensor selection in the industry
- Access to Radcal's full line of solid-state, ion chamber, and mA sensors
- Includes a large easy-to-read 5" touchscreen display
- Simple, accurate, and reliable measurement of Dose, Dose Rate, kV, HVL, Filtration, Pulse parameters, and mA
- Provides the ability to simultaneously measure with solid-state and ion chamber sensor
- Rechargeable Lithium Ion Battery provides hours of continuous use
- Embedded memory stores all measurement data for over 10,000 exposures

Radcal · Accu-Gold Touch Professional

Highlights

- A stand-alone diagnostic x-ray quality assurance instrument
- Includes all of the capabilities of the Accu-Gold Touch system
- Supports the full range of x-ray modalities incorporating the most extensive sensor selection in the industry
- Rechargeable Battery provides hours of continuous use
- Embedded memory storage
- The Touch Pro includes wired and wireless (wifi) computer interfaces
  - A computer interface allows automated report generation – when your measurements are done, your report is done
  - Powerful waveform analysis tools provide a deeper understanding of the x-ray system

RTI · Black Piranha

Highlights

Simply plug 'n' play. The new RTI Black Piranha brings a quickness and power to your X-ray Quality Assurance work flow. The Black Piranha includes what you would expect in a multifunction meter. Connection to various accessories, tablet and PC is automatic – just plug 'n' play. The Quick Check feature identifies the probes you insert and selects the optimum Piranha settings for your measurements. You can even easily program your own default start-up screen. The Black Piranha can measure on Rad, Fluoro, Dent, Mammo, and CT.

RTI · Cobia Smart

Highlights

Cobia Smart is a straightforward and simple-to-use instrument for checking that the output from an X-ray tube is correct. Place it beneath the X-ray tube, make an X-ray exposure, and rapidly get an accurate reading. The measured values can be read directly from Cobia Smart's large and clear display, even from a distance. No adjustments are required, making it exceptionally easy to use.

TESTING DEVICES

RTI · Cobia Flex

Highlights
Cobia Flex belongs to the straightforward and simple-to-use instrument from RTI. It has all the same smart design and easiness as the Cobia Smart but will also give you the possibility to connect to external dose probes and extra gadgets as well as RTI's X-ray QA Software, Ocean.

RTI · Ocean 2014

Highlights
Ocean is RTI's versatile software for X-ray Quality Assurance. By using Ocean you will speed up your total working process and minimize your time in X-ray room. With Ocean you can plan your measurements at your desk in advance, create checklists, add information as a pop-up window for a specific exposure and include instructions to simplify the work for you and your co-workers. After that, you perform your measurements and if needed print out the report.

VacuTec · VacuDAP / VacuDAP duo

Highlights
The VacuDAP family provides a wide range of DAP and Dose measuring solutions for most of the diagnostic X-ray systems in the market.

Technical specs
- Resolution DAP: 0,01 µGym²
- Resolution Dose: 0,003 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: (123 x 123) mm / (147 x 147) mm

VacuTec · VacuDAP-C / VacuDAP-C duo

Highlights
The VacuDAP-C systems for measurement of DAP and Dose are basically integrated in interventional devices with customized calibration settings.

Technical specs
- Resolution DAP: 0,01 µGym²
- Resolution Dose: 0,005 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: Ø (8 . . . 100) mm

VacuTec · VacuDAP wireless / VacuDAP Bluetooth

Highlights
- VacuDAP chamber is now available with Wi-Fi or Bluetooth technology.
- Perfect suitable for DR upgrades and mobile X-ray units.
- The battery ensures simplest installation ever.

Technical specs
- Resolution DAP: 0,01 µGym²
- Active area: (123 x 123) mm / (147 x 147) mm
- Battery operation time: about 12 h

VacuTec · VacuTec AEC Sensor

Highlights
Digital interface ensures EMC stable signal transmission and provides an open dose working range.

Technical specs
- Tube voltage: 40 kV . . . 150 kV
- Dose rate range: 0.5 . . . 1,000 µGy/s
- Aluminium equivalent: 0.75 mm Al
- Analog interface: ramp voltage 0 – 10 V
- Digital interface: differential pulses (RS422)
- Resolution: 0.025 µGy
- Pulse width: 2 µs

		RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
Agfa HealthCare Septestraat 27 2640 Mortsel, Belgium tel +32 3 444 94 44 agfahealthcareinfo.be@agfa.com www.agfahealthcare.com	AGFA HealthCare	3	3 4	165 166					50 56 58 60		83 84 85 97 101 107				125		
allMRI GmbH Südstr. 23 74226 Nordheim, Germany tel +49 71 33 2 37 02 20 mail@allmri.com www.allmri.com	allMRI					29											
Barco NV Beneluxpark 21 8500 Kortrijk, Belgium Info@barco.com www.barco.com/healthcare	BARCO													122 123 124			
Bracco Injeneering S.A. Avenue de Sévelin 46 1004 Lausanne, Switzerland tel +41 21 621 74 00 info.injeneering@bracco.com www.imaging.bracco.com	BRACCO INJENEERING						31 34										
Canon Medical Systems Europe B.V. Zilverstraat 1 2718 RP Zoetermeer, The Netherlands tel +31 79 368 92 22 eu.medical.canon	Canon				9 11 13	22 24		36 37 38 39		69 71	76 78	85 101 107 111	115			128 129 130	
Canon Europe NV Digital Radiography solutions Powered by Canon DR Bovenkerkerweg 59 1185XB Amstelveen, The Netherlands tel + 31 205 45 89 26 medical.drsales@canon-europe.com www.canon-europe.com/medical	Canon								66			85 88 97 101 108					
Cefla s.c. Via Selice Provinciale 23A 40026, Imola (BO), Italy tel +39 045 820 27 27 info@newtom.it www.newtom.it	NewTom Cone Beam 3D Imaging what's next				15												
CHILI GmbH Friedrich-Ebert-Str. 2 69221 Dossenheim / Heidelberg, Germany tel +49 6221 180 79 10 sales@chili-radiology.com www.chili-radiology.com	CHILI Einfach überzeugend		3 4	165 166					50 51 56 58						126		
DelftDI Wiltonstraat 41 3905 KW Veenendaal, The Netherlands tel +31 318 58 34 00 info@delftdi.com www.delftdi.com	DelftDI											88 90					
DMS Imaging 393 rue Charles Lindbergh 34130 Mauguio, France tel +33 467 50 49 00 www.dms.com	DMS IMAGING							45		70	79	88 97 101 108 111 112					
Philips Medical Systems DMC GmbH Röntgenstr. 24 22335 Hamburg, Germany www.dunlee.com marketing.dunlee@philips.com	DUNLEE				18			48				112					
Febromed GmbH & Co. KG Zum Mühlenteich 1 59302 Oelde, Germany tel:. +49 2522 30-532 fax: +49 2522 30-8489 info@febromed.de www.febromed.com	febromed				18												

	RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
FujiFilm SonoSite BV EUHQ Joop Geesinkweg 140 1114 AB Amsterdam, The Netherlands tel +31 20 462 0000 eraf-sales@fujifilm.com www.sonosite.com/uk															130 131	
GCTechnology GmbH Freidling 12 84172 Buch am Erlbach, Germany tel +49 8706 94 15 00 info@gctech-gmbh.com www.gctech-gmbh.com				18	29		48		74	81					147	
GE Healthcare 283 Rue de la Minière 78533 Buc Cedex, France tel +33 130 70 40 40 response@med.ge.com www.gehealthcare.com	3	3 4	165 166	10 11 12 15	22 23 24 25 27		37 39 40 42 45	51 56 59 60	68 70		90 102 108	115 118 119 120			131 132 133	
GENERAL MEDICAL MERATE S.p.A. Via Partigiani, 25 24068 Seriate (BG), Italy tel +39 035 452 53 11 info@gmmspa.com www.gmmspa.com							42 45			76	90 102 109					
Guerbet BP 57400 95943 Roissy CdG Cedex, France Tel. +33 145 91 50 00 LF@guerbet.com www.guerbet.com			165 166			31 32 34		60								
Hitachi **Medical Systems Europe (Holding) AG** Sumpfstrasse 13 6300 Zug, Switzerland tel +41 41 748 63 33 welcome@hitachi-medical-systems.com www.hitachi-medical-systems.com				10 11 13	26 27										134 135 136 147	
Hologic Europe N.V. Da Vincilaan 5, Building Caprese 1930 Zaventem, Belgium tel +32 2711 46 80 be-info@hologic.com www.hologic.com		3 4	165 166				42	57	68 71 72 74		112					
I.A.E. S.P.A. Via Fabio Filzi, 53 20032 Cormano (MI), Italy tel +39 02 66 30 32 55 iaexray@iae.it www.iae.it				18			48		74	81	112 113					
IBA Dosimetry GmbH Bahnhofstr. 5 90592 Schwarzenbruck, Germany tel +49 91 28 607-14 dosimetry-info@iba-group.com www.iba-dosimetry.com																149 150 151
IMAGE Information Systems Europe GmbH Lange Str. 16 18055 Rostock, Germany tel +49 381 496 58 20 info@image-systems.biz www.image-systems.biz	3	3 4	165 166					51 59								
IMS Giotto S.p.A. – GMM GROUP – Via Sagittario, 5 40037 Sasso Marconi (BO), Italy tel +39 51 84 68 51 imscomm@imsgiotto.com www.imsgiotto.com									68 72							
INTERMEDICAL SRL E. Fermi, 26 24050 Grassobbio (BG), Italy tel +39 035 659 48 11 info@inter-med.it www.inter-med.it							40 42 45 46				90					

		RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
i-SOLUTIONS Health GmbH Am Exerzierplatz 14 68167 Mannheim, Germany tel +49 621 39 28-0 info@i-solutions.de www.i-solutions.de	i-SOLUTIONS HEALTH	3	3 4	165 166					54 60 66								
ITZ Medicom GmbH & Co. KG Siemensring 44 a 47877 Willich, Germany tel +49 2154 49 79 60 info@itz-medi.com www.itz-medi.com	itz-medi.com PACS & Telemedizin	3	3 4	165 166					54 59								
JVCKENWOOD Deutschland GmbH Konrad-Adenauer-Allee 1-11 61118 Bad Vilbel Tel +49 2161 69 84-180 medical-display.e@jvckenwood.com healthcare.jvc.com	JVC													122 123 124			
Konica Minolta Business Solutions Europe GmbH – Healthcare Division Hoogoorddreef 9 1101 BA Amsterdam, The Netherlands Tel +31 20 658 41 00 healthcare@konicaminolta.eu www.konicaminolta.eu/healthcare	KONICA MINOLTA		3 4	165 166								83 84 91 98 102 113			125	136	
LEONI Special Cables GmbH **Business Unit Healthcare** Eschstraße 1 26169 Friesoythe, Germany tel +49 4491 291-5040 healthcare@leoni.com www.leoni.com	LEONI				20	29	48			74							
MECALL – GMM GROUP – Via Partigiani, 25 24068 Seriate (BG), Italy tel +39 035 452 53 11 info@gmmspa.com www.gmmspa.com	MECALL											91 109					
Medical ECONET GmbH Im Erlengrund 20 46149 Oberhausen, Germany tel +49 208 37 78 90-0 info@medical-econet.com www.medical-econet.com	medical ECONET GERMANY											91 92 102 103					
medigration GmbH Am Anger 2 91052 Erlangen, Germany tel +49 91 31 690 87-48 info@medigration.de www.medigration.de	bender gruppe medigration	3	3 4	165 166					54 56 57 58 59 61			98			126		
MEDTRON AG Hauptstr. 255 66128 Saarbruecken, Germany tel +49 681 970 17-0 info@medtron.com www.medtron.com	MED TRON AG						32 33 34										
Medtronic International Trading Sàrl Route du Molliau 31 1131 Tolochenaz, Switzerland tel +41 21 802 70 00 www.oarm.com/#contact www.medtronic.com	Medtronic Further, Together							43									
SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD. Mindray Building, Keji 12th Road South Nanshan, Shenzhen 518057, China tel +86 755 81 88 89 98 intl-market@mindray.com www.mindray.com	mindray				27							92 103				137 138	
Medical of Science and Technology 333 Bellevue Way SE, Apt 4 Bellevue WA 98004, United States tel +886 906-788-825 / +886 972-062-421 most.seattle@gmail.com www.medostech.com	mos+ Medical of Science and Technology								66						126		

		RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
NORAS MRI products GmbH Leibnizstr. 4 97204 Hoechberg, Germany tel +49 931 29 92 70 info@noras.de www.noras.de						28											
Planmeca Oy Asentajankatu 6 00880 Helsinki, Finland tel. +358 20 779 55 00 fax +358 20 779 55 55 sales@planmeca.com www.planmeca.com					16							111					
Planmed Oy Sorvaajankatu 7 00880 Helsinki, Finland tel +358 20 77 9 53 00 sales@planmed.com www.planmed.com					16					69 70 71							
PRIMAX International "Le Minotaure" 30 – 34 Avenue Henri Matisse 06200 Nice, France tel +33 492 29 23 30 sales@primaxint.com www.primaxint.com								43				92 103 109					
PROTEC GmbH & Co. KG In den Dorfwiesen 14 71720 Oberstenfeld, Germany tel +49 7062 925 50 protec@protec-med.com www.protec-med.com			3 4	165 166					55		76 81	92 93 98 99 104					
PTW-Freiburg Physikalisch-Technische Werkstaetten Dr. Pychlau GmbH Loerracher Str. 7 79115 Freiburg, Germany tel +49 761 490 55-0 info@ptw.de www.ptw.de					20							113					152
QUART GmbH Kirchenweg 7 85604 Zorneding, Germany tel +49 8106 24 91 18 info@quart.biz www.quart.de																	152 153 154
Radcal Corporation 426 West Duarte Road Monrovia, CA 91016, USA tel +1 626 357 79 21 sales@radcal.com www.radcal.com																	155
Rayence Co., Ltd. Frankfurter Str. 92, Germany 65760 Eschborn tel +49 6196 998 98 97 marketing@rayence.com www.rayence.com												99					
RTI Group Floejelbergsgatan 8C 43137 Moelndal, Sweden tel +46 31 746 36 00 sales@rti.se www.rti.se																	155 156
SAMSUNG MEDISON CO., LTD. 42, Teheran-ro 108-gil, Gangnam-gu, Seoul, Korea tel +82 2 21 94 14 00 sales@samsungmedison.com www.samsungmedison.com												93 104				139 140	
Shimadzu Europa GmbH Medical Systems Division Albert-Hahn-Str. 6 – 10 47269 Duisburg, Germany tel +49 203 76 87-0 medical@shimadzu.eu www.shimadzu.eu								37 40 41 46			76 77 78 79	93 94 104 109					

		RIS	PACS	Workstations	CT	MRI	Injectors	Interventional	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
Siemens Healthineers Headquarters **Siemens Healthcare GmbH** Henkestr. 127 91052 Erlangen, Germany tel +49 9131 84 0 siemens.com/healthineers	SIEMENS Healthineers		3 4	165 166	9 10 11 12 15	22 23 25 26 27 28		36 37 41 43 46	55 57 58 61	69 70 71	77 80	94 95 105 110	115 118 119 120			140 141 142 143	
Shantou Institute of Ultrasonic Instr. Co., Ltd. #77, Jinsha Road 515041 Shantou, China tel +86 754 88 25 01 50 siui@siui.com www.siui.com	See the future SIUI											105				144 145 146 147	
STEPHANIX 10, Rue Jean Moulin 42150 La Ricamarie, France tel +33 4 77 47 81 60 contact@stephanix.com www.stephanix.com	STEPHANIX							43 46			77 78 80	88 95 99 105 110					
SuperSonic Imagine Les Jardins de la Duranne, Bât E & F 510, Rue René Descartes 13857 Aix-en-Provence, France tel +33 442 99 24 24 contact@supersonicimagine.fr www.supersonicimagine.com	SUPERSONIC imagine															147	
Swissray Medical AG Turbistr. 25 – 27 6280 Hochdorf, Switzerland tel +41 41 914 12 12 sales@swissray.com www.swissray.com	Swissray					26						96 99 105					
Technix S.p.A. Via Fermi 45 24050 Grassobbio (BG), Italy tel +39 035 384 66 11 technixd@technix.it www.technix.it	TECHNIX							44 47				105 106					
Toshiba Electron Tubes & Devices Co., Ltd 1385 Shimoishigami Otawara-Shi, Tochigi 324-8550, Japan tel +81 287 26 66 66 https://etd.canon/eng	TOSHIBA ELECTRON TUBES & DEVICES				20			48				100 113					
VacuTec Meßtechnik GmbH Dornbluethstr. 14a 01277 Dresden, Germany tel +49 351 317 24-0 info@vacutec-gmbh.de www.vacutec-gmbh.de	VACUTEC																156
Varex Imaging Corporation Karl-Arnold-Straße 12 47877 Willich, Germany +49 21 54 92 49 80 info@vareximaging.com www.vareximaging.com	VAREX IMAGING				20					74							
VILLA SISTEMI MEDICALI s.p.a. Via delle Azalee, 3 20090 Buccinasco (MI), Italy tel +39 02 48 85 91 sales@villasm.com www.villasm.com	VILLA				16			47		69 70 71	77 78 79 80 81	96 97 100 101 106 111					
Ziehm Imaging GmbH Donaustr. 31 90451 Nuremberg, Germany tel +49 911 21 72-0 info@ziehm-eu.com www.ziehm-eu.com	ziehmimaging							44 47									

NOTES

HOLOGIC®
The Science of Sure

The **best** just got **better**—every way you look at it.

NEW

Introducing the Hologic 3Dimensions™ Mammography System

- **Sharper:** THE fastest and highest resolution 3D™ images in the industry.[1] And, it's the ONLY tomosynthesis exam clinically proven to detect up to 65% more invasive breast cancer than 2D alone.[2]
- **Smarter:** Clinically proven comfort[3] without compromise in image quality due to advanced processing software that takes the curved compression geometry into account.
- **Simpler:** Enhanced workflow for both the technologist and radiologist, without compromising on speed, dose or accuracy.

Also available in 2D

Learn more at 3DimensionsSystem.com

3Dimensions™

1. Data on file and from public sources, 2017. **2.** Results from Friedewald, SM, et al. "Breast cancer screening using tomosynthesis in combination with digital mammography." JAMA 311.24 (2014): 2499-2507; a multi-site (13), non-randomized, historical control study of 454,000 screening mammograms investigating the initial impact of the introduction of the Hologic Selenia® Dimensions® on screening outcomes. Individual results may vary. The study found an average 41% increase and that 1.2 (95% CI: 0.8-1.6) additional invasive breast cancers per 1000 screening exams were found in women receiving combined 2D FFDM and 3D™ mammograms acquired with the Hologic 3D™ Mammography System versus women receiving 2D FFDM mammograms only. **3.** In an internal study comparing Hologic's standard compression technology to the SmartCurve™ system (18 x 24cm).

Workstations

Multimodality	Advanced Visualization	Mammography	Clinical Applications	CAD
Enterprise Imaging Clinical Applications	Enterprise Imaging Clinical Applications	Enterprise Imaging for Breast Imaging	Enterprise Imaging Clinical Applications	
CHILI Diagnost	Partner-Solution	CHILI Diagnost	CHILI Diagnost	Partner-Solution
Centricity PACS Universal Viewer Universal Viewer Zero Footprint XDS enabled	Centricity PACS Universal Viewer web client embeds advanced visualization powered by AW	Centricity PACS Universal Viewer web client provides Breast Imaging tools powered by IDI	Centricity PACS Universal Viewer with integrated Traumacad by Voyant Health	Centricity PACS Universal Viewe client embeds advanced visual powered by AW
			Dose&Care (Patient X-ray dose management solution) Contrast&Care (Injection management solution)	
Multiview (Option of SecurView)		SecurView		Cenova
iQ-VIEW PRO/3D		iQ-VIEW PRO MAMMO TOMO	iQ-VIEW PRO OrthoView	Partner Solution
ITZ Hyper.PACS	ITZ Hyper.PACS MPR MIP 3D Mint Medical Integration ITZ Hyper.PACS MPM-Modul Teraretcon / Median	ITZ Hyper.PACS	mediCAD	ITZ Hyper.PACS MPM-Modul Mint Medical Integration
Acies ImagePilot	Acies	Acies	Acies	Acies
ImageVision Diagnost	ImageVision Diagnost	MammoView	ImageVision Basic	MammoView CAD
PROPAXX and / or CONAXX 2	PROPAXX and / or CONAXX 2		PROPAXX and / or CONAXX 2	
syngo.via PACS *syngo*.plaza	*syngo*.via	*syngo*.via PACS *syngo*.plaza	MediCAD (HECTEC) *syngo*.via PACS *syngo*.plaza	*syngo* CAD Applications *syngo*.via PACS *syngo*.plaza

	Dose Management		
	tqm | Dose	**Agfa HealthCare** Septestraat 27 · 2640 Mortsel, Belgium tel +32 3 444 94 44 agfahealthcareinfo.be@agfa.com · www.agfahealthcare.com	
		CHILI GmbH Friedrich-Ebert-Str. 2 · 69221 Dossenheim/Heidelberg, Germany tel +49 62 21 1 80 79 10 sales@chili-radiology.com · www.chili-radiology.com	
er web ization	DoseWatch	**GE Healthcare** Lerchenbergstr. 15 · 89160 Dornstadt, Germany tel +49 73 48 98 61-0 response@med.ge.com · www.gehealthcare.com	
	Dose&Care (Patient X-ray dose management solution) Contrast&Care (Injection management solution)	**Guerbet** BP 57400, 95943 Roissy CdG Cedex, France tel +33 1 45 91 50 00 LF@guerbet.com · www.guerbet.com	
		Hologic Europe N.V. Da Vincilaan 5, Building Caprese, 1930 Zaventem, Belgium tel +32 2 711 46 80 be-info@hologic.com · www.hologic.com	
		IMAGE Information Systems Europe GmbH Lange Str. 16 · 18055 Rostock, Germany tel +49 381 496 58 20 info@image-systems.biz · www.image-systems.biz	
	RadCentre Dose View	**i-SOLUTIONS Health GmbH** Am Exerzierplatz 14 · 68167 Mannheim, Germany tel +49 621 39 28-0 info@i-solutions.de · www.i-solutions.de	
	via plugin with MDM-module	**ITZ Medicom GmbH & Co. KG** Siemensring 44 a · 47877 Willich, Germany tel +49 2154 49 79 60 info@itz-medi.com · www.itz-medi.com	
		Konica Minolta Business Solutions Europe GmbH – Healthcare Division Hoogoorddreef 9, 1101 BA Amsterdam, The Netherlands tel +31 20 658 4100 healthcare@konicaminolta.eu · www.konicaminolta.eu/healthcare	
	Domako	**medigration GmbH** Am Anger 2 · 91052 Erlangen, Germany tel +49 9131 690 87-48 info@medigration.de · www.medigration.de	
		PROTEC GmbH & Co. KG In den Dorfwiesen 14 · 71720 Oberstenfeld, Germany tel +49 7062 9 25 50 protec@protec-med.com · www.protec-med.com	
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