€ 19.-

RAD BOOK

The Radiology Guide to Technology & Informatics in Europe

2011

Konica Minolta's AeroDR is a highly versatile, cassette sized, wireless DR detector featuring high DQE, high durability and low power consumption while at the same time maintaining a very low weight and easy operability. ▸ page 80

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Brilliant

BRANSIST safire – outstanding image quality

www.shimadzu.eu

The unique and brand-new BRANSIST safire digital x-ray angiography system family provides outstanding high-quality clinical images to support safer and quicker intervention procedures. This is achieved particularly with the latest in flat panel detector (FPD) technology called "Direct-conversion."

Through flexible system configurations, BRANSIST safire meets perfectly the needs of today's clinical demands: it is available with a 9 inch or 17 inch FPD, as ceiling or floor mounted version, or even as a bi-plane system.

Functions and features such as 3D-imaging, No Mask DSA, SYNCHRONAVI, SUREengine Image Enhancement and CT-like imaging support the full range of intervention applications. BRANSIST safire provides flexible system operation, fast digital image processing and patient comfort:

- Outstanding image quality achieved particularly by "Direct-conversion" FPD
- High-speed response and various applications ensured by latest digital technology
- Fast, easy and precise C-Arm positioning up to 60 degrees per second
- Advanced dose management ensuring safety of patients and operators.

BRANSIST safire

SHIMADZU
Solutions for Science
since 1875

Who is Carestream?
We are a global company of passionate professionals dedicated to the cause of healthcare. We use our extensive experience, insights and innovative medical imaging and healthcare IT solutions and services to improve outcomes, lower costs, simplify the work for healthcare professionals, and give you exactly what you need... a smarter way forward.

OPEN.

Healthcare IT is rapidly evolving around Electronic Medical Records and integrated community-wide systems. Done right it will accelerate the sharing of vital information and drive better outcomes. There is no acceptable alternative. So how do you do it right? Start with a partner who can put it all together for you. When you sit at a CARESTREAM RIS+PACS workstation, you know right away that we get it. After all, for more than 100 years we've been helping radiologists spend significantly less time on the technology and considerably more time on the critical tasks of capturing, reading and reporting. When it comes to integration, we go beyond open and DICOM. We are vendor- format- and source-neutral, for easy connectivity. We have successfully transformed some of the world's largest multi-site, multi-vendor PACS environments into a single-view global workflow. Want to leave the IT to us? Carestream e-Health Services puts your IT in our secure cloud. No matter where you are today, when you look at it from our perspective, it's easy to see your next move.

RIS+PACS. A SMARTER WAY FORWARD.
www.carestream.com

Carestream

FROM WHERE YOU SIT, IS THE NEXT MOVE CLEAR?

A SMARTER WAY FORWARD.

Management

	RIS	Small Business PACS	Enterprise PACS
AGFA HealthCare	IMPAX ORBIS	SE	IMPAX
CHILI Digital Radiology		CHILI PACS XS	CHILI PACS
DIGITHURST	e-ris	Teamwork	Teamwork
FUJIFILM		SYNAPSE	SYNAPSE SYNAPSE 3D
GE Healthcare	Centricity RIS	Centricity PACS	Centricity PACS
GEMED	GEMED-RIS	GEMED-PACS	GEMED-PACS
IMAGE Information Systems	iQ-RIS	iQ-WEBX	iQ-SYSTEM PACS
iSOFT	iSOFT Radiology	iSOFT Radiology Fusion	iSOFT Radiology Fusion
itz-medi.com	Hyper.RIS	Hyper.ePACS	Hyper.PACS
KONICA MINOLTA		Acies ImagePilot	Acies
medavis	medavis RIS	medavis PACS	
medigration The Digital Company		ImageBroker	ImageBroker
dicomPACS		dicomPACS	dicomPACS
PHILIPS	XIRIS	iSite PACS	iSite PACS
PROTEC		PROPAXX	PROPAXX
SECTRA		Sectra PACS	Sectra PACS
SIEMENS	*syngo* Workflow	*syngo*.plaza	*syngo*.plaza
TELEPAXX Medical Archiving		e-pacs	e-pacs
VISAGE IMAGING	Visage RIS	Visage 7	Visage 7
VISUS	3rd party	JiveX Radiology Basic	JiveX Enterprise
VITAL			

Archiving

Image Distribution

Cardiology PACS	Long Term	Multimedia	Inhouse	Teleradiology	Portal Solution	Cloud Computing Application
IMPAX	IMPAX Data Center	IMPAX Data Center	IMPAX			
CHILI PACS	CHILI PACS	CHILI PACS	CHILI/Web	Teleradiologie Gateway ONE Teleradiologie Gateway Teleradiologie HUB	Telemedizinakte mit CHILI/Web	OmniPACS
Teamwork	Teamwork Telepaxx e-pacs option	Teamwork	WebPortal	WebPortal	WebPortal	
SYNAPSE Cardiovascular	SYNAPSE SYNAPSE Cardiovascular SYNAPSE 3D	SYNAPSE SYNAPSE Cardiovascular SYNAPSE 3D	SYNAPSE SYNAPSE Cardiovascular	SYNAPSE	SYNAPSE	
Centricity Cardiology				Centricity Connect	Centricity Portal	Centricity Enterprise Archive
GEMED-Cardio-PACS	GEMED-PACS Universalarchiv	GEMED-PACS Universalarchiv	GEMED-PACS	GEMED-PACS Communicator	GEMED-PACS Communicator	
	iQ-ROBOT PREMIUM		iQ-WEBX	iQ-WEBX	iQ-WEBX	iQ-WEBX
			iSOFT Portal	iSOFT Portal	iSOFT Portal	
Hyper.PACS	Hyper.ARC	Hyper.PACS Hyper.WEB	Hyper.WEB	Hyper.TELEMED Hyper.COM	Hyper.TELEMED Hyper.COM Hyper.WEB	Hyper.PACS Hyper.WEB
	Acies ImagePilot	Acies ImagePilot	Acies ImagePilot	Acies ImagePilot		
				portal4med	portal4med	
ImageBroker	ImageBroker	ImageBroker	ImageWeb	webConnect	ImageWeb Zuweiserportal	
dicomPACS	dicomPACS	dicomPACS	dicomPACS	dicomPACS	dicomPACS	
Xcelera	iSite PACS	iSite PACS	iSite Enterprise	iSite Enterprise	iSite Portal	n. a.
	PROPAXX		PROPAXX			
Sectra PACS	Sectra PACS	Sectra PACS	Sectra PACS	Sectra PACS		
syngo Dynamics	*syngo*.plaza	AIM	*syngo*.plaza	*syngo*.plaza *syngo*.via	*syngo* Portal Radiologist *syngo* Portal Transcriptionist *syngo* Portal Referring Physician *syngo* Portal Executive	*syngo* CXR CAD Subscription
e-pacs	e-pacs Archiving as a Service for archive outsourcing, e-pacs Dicom Appliance for inhouse archiving	e-pacs				
Visage 7	Visage 7	Visage 7	Visage 7	Visage 7	Visage 7	Visage 7
JiveX Cardiology	JiveX Archive Manager JiveX Storage Service for PACS (SSP)	JiveX DICOM Platform	JiveX Review JiveX Review Web	JiveX Telemedicine	JiveX Review Web	JiveX Application Service for PACS (ASP)
			Vitrea Core	Vitrea Core 2D/3D/4D		Vitrea Enterprise Suite fully virtualized Thin Client Server Technology

Dear Reader,

Since the turn of the millennium imaging technology has been advancing at a breathtaking speed. Today's state-of-the-art IT solutions have little in common with first generation RIS and PACS.

Integrated RIS and PACS are not yet implemented throughout the healthcare landscape, while cloud computing is already whipping up a storm – and the IT world outside radiology is even already abuzz about a more personalized second generation cloud.

The term cloud points at the idea that data processing is no longer „within reach" of the user but takes place in a somewhat nebulous network. Cloud computing utilizes abstracted IT infrastructures – computer capacity, memories, even complete applications – dynamically in a network.

For healthcare facilities this concept implies that they can return to their core competencies. Instead of having to acquire expensive hardware and network structure for long-term archiving they simply pay for a web service offered by an external provider. Despite the immense charm of this idea, there is one very real danger: the healthcare facilities lose the control over their own data. Therefore it is crucial that cloud-based services offer sophisticated privacy solutions. To be on the safe side, clients should look for certified providers.

EDITORIAL

See you at www.radbook.eu

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Guido Gebhardt

Imprint

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RAD·BOOK 2011

New 160 slice Toshiba CT Aquilion Prime speeds up workflow and reduces exposure dose

Prime Time

Toshiba Medical Systems introduces the Aquilion Prime CT scanner, the latest member of the CT family Volume CT Aquilion ONE. Equipped with cutting edge technology for dose reduction and a gantry bore of 78cm, the innovative 160 multislice CT Aquilion Prime defines the next generation of CT scanners.

Patients benefit from low exposure dose

The key word for dose reduction is AIDR – adaptive iterative dose reduction. This is facilitated by a completely new iterative reconstruction algorithm: AIDR reduces the dose by up to 75%. Additionally, image noise can be reduced by up to 50%, which visibly increases image quality and therefore eases clinical evaluation.

A further dose reduction by 20% is achieved through active collimation: With helical scans, the first half of the first rotation as well as the second half of the last rotation do no contribute towards image reconstruction for technical reasons. In both cases, active collimation blocks out the X-ray beam and thereby prevents exposure that is not used for diagnosis.

The user can therefore be assured that the Aquilion Prime delivers maximum image quality with minimal exposure for patients.

Trauma scans and CT scans of obese patients made easier

Being comfortable during the examination is becoming increasingly important for patients. They appreciate large gantry bores and short examination times. And when it comes to patient comfort, the Aquilion Prime is also superior to previous CT scanners in this respect. The gantry bore measures 78cm – an additional 60mm for more freedom of movement. Both trauma patients and doctors benefit from the large eVolution gantry during image guided interventions. Moreover, a table capacity of 300kg combined with the large gantry diameter makes the Aquilion Prime the optimal examination platform for obese patients.

The Aquilion Prime: More room for patient and doctor thanks to 78cm gantry bore

Earlier diagnosis – faster treatment

Patients benefit from the extremely short examination times of the new 160 slice scanner for instance as they do not have to hold their breath for too long. 160 slices of 0.5mm are reconstructed per rotation, which only takes 350 milliseconds each. The high speed reconstruction with up to 50 frames per second ensures that the images are ready for evaluation at the earliest possible time. The high scanning speed of up to 16cm per second (with a full 50cm field of view) is of particular benefit to traumatised patients as they do not have to hold their breath for too long. Images are available for diagnosis earlier and treatment can begin sooner. Additionally, the high scanning speed reduces motion blur, which cuts down on the amount of contrast media required.

The technology used with the Aquilion Prime not only allows the acquisition of high quality images with low exposure dose but also an optimisation of the workflow and a significant reduction in the time required to establish the diagnosis.

Reviewing and discussing CT images from everywhere in the hospital – no loose of performance or speed

Clinical added value beyond routine

The performance of the Aquilion Prime ranges from the complete spectrum of radiological routine examinations to particularly dose-saving cardio- and neuro CT scans as well as dual energy scans. Just like the Toshiba high-end volume CT scanner Aquilion One, the Aquilion Prime also scans high resolution dynamic volumes such as those required for enhanced diagnosis of organ perfusion for instance.

Sure Extension – seamless access to CT images in the hospital

Sure Extension, Toshiba's new technology used for the Aquilion Prime, offers users new flexibility: they can access the CT display console via the hospital network and handle CT data and applications.
This means that the CT data can be accessed from consultation or meeting room to discuss the results of a CT examination with patients or colleagues. Even MPR, 3D and CT options such as those used for vascular analysis or cardiac diagnostics can be simultaneously utilised at the CT scanner as well as via remote access – the performance and speed remain just the same.

GE Discovery CT750 HD

	Discovery CT750 HD
Views/s	*> 7.000*
Power (kW)	*150*
Resolution	*230 microns*

Spectral Imaging
Temporal resolution:
0.5 ms
Monochromatic energies
40 to 140 keV

Veo
Dose under 1mSv
Spatial resolution
improved by up to 50%
LCD improved by up to 75%

Highlights
- World‘ s 1st High Definition CT
- New dimensions with Gemstone Spectral imaging
- Introducing Veo - World‘ s 1st model based iterative reconstruction
- Proven dose reduction across the body with integrated ASiR reconstruction
- Up to 500 slices for 4D CTA & perfusion studies
- 230 micron resolution across the whole body
- Monochromatic images & Metal artefact reduction

Highlights
- 15 clinical applications
- Full 50 cm FOV in Spectral Imaging
- Single tube ultrafast Low/High kVp switching
- Gemstone ultrafast detector with 0.3 µsec primary speed

Highlights
- Iterative modeling system optics
- Advanced computation platform
- Improved Low Contrast Detectability by up to 75%
- Improved resolution by up to 50%
- Allows to scan under 1mSv, in routine

GE Optima CT660

Channels	*64 or 128*
Power (kW)	*72 or 120*
Coverage	*40 mm isotropic*
Rotation (mm)	*per 0.4 s (cardiac 0.35 s)*

Highlights
- 64 and 128 slices imaging
- Leadership in Advanced Cardiac CT
- Up to 40% dose reduction across the body
- Up to 500 slices coverage for perfusion
- 60% lower CO2 emission & energy saving
- Scalable and modular
- Compact for easy siting (18 sqm)
- Integrated ASiR reconstruction
- Latest innovations in a 40 mm detector CT

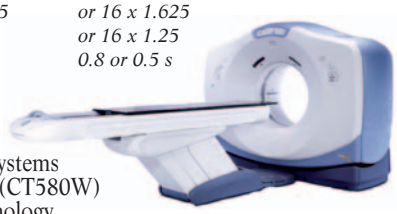
GE BrightSpeed Series

	BS 16 Elite	BS 16	BS 8	BS 4
Channels	*16*	*16*	*8*	*From 16 to 4*
Power (kW)	*53.2*	*42*	*42*	*42*
Coverage	*16 x 0.625 or 16 x 1.25*	*16 x 0.625 or 16 x 1.25*	*2 x 0.625 or 8 x 1.25 or 8 x 2.5*	*2 x 0.625 or 4 x 1.25 or 4 x 2.5 or 4 x 5*
Rotation (mm)	*mm per 0.5 s*	*mm per 0.8 s*	*mm per 0.8 s*	*mm per 0.8 s*

Highlights
- ASiR for Lower Dose & improvement on Image Quality (on 16sl)
- BS 16 Elite: Speed & coverage with high resolution at a very low radiation exposure
- BS 16: Sub-mm microvoxels for incredible detail
- BS 8: any organ in a breath-hold
- BS 4: perform long coverage and high grade CT-A

GE Discovery CT590 RT & GE Optima CT580 Series

	Discovery 590 RT	Optima 580 Series
Channels	*16*	*8 or 16*
Power (kW)	*100*	*55 or 100*
Coverage	*16 x 0.625 or 16 x 1.25*	*8 x 1.25 or 16 x 1.625 or 16 x 1.25*
Rotation (mm)	*0.5 s*	*0.8 or 0.5 s*



Highlights
- 8/16 slices imaging systems
- Wide Bore geometry (CT580W)
- GE MicroVoxel technology
- Biopsy & interventional modes
- Obese patient capability up to 295 kg
- All tables TG66 compliant (225 and 295 kg max)
- Up to 40% dose reduction across the body with Integrated ASiR reconstruction
- Respiratory gating solutions with RPM camera and ANZAI belt
- 4D gating reconstruction on the operator console
- Complete and ease to use RT simulation planning solution with AD Sim

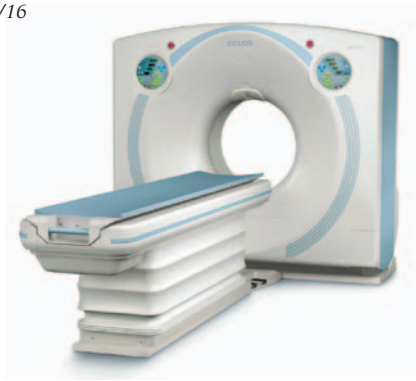
GE Brivo CT325

Channels	*2*
Power (kW)	*24*
Coverage	*from 2 x 0.6 mm to 2 x 10 mm*
Rotation (mm)	*per second*

Highlights
- Multi-slice scanning for everyone and everywhere
- New Ultracompact design
- Streamlined Exams WorkFlow for ease of use
- Wide Breadth of advance applications

Hitachi Medical Systems ECLOS 4/8/16

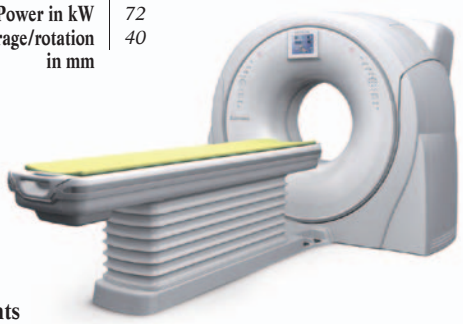
Slices	4/8/16
Power in kW	42
Coverage/rotation in mm	



Highlights
- X-ray tube: 3.5 to 5.0 MHU
- Sub-second, real-time image reconstruction
- Minimum scan time 0.8 sec and maximum field of view 500 mm
- Preventive examination supported by fatPointer or riskPointer
- Straight forward patient registration and easy system handling

Hitachi SCENARIA 64ch Multislice CT

Slices	64
Power in kW	72
Coverage/rotation in mm	40



Highlights
- X-ray tube: 7.5 MHU
- Minimum scan time: 0.35 seconds
- Minimum slice thickness: 0.625 mm
- Open design concept. Diameter of aperture: 750 mm
- First 64ch CT system, equipped with a 2-dimensional anti-scattered x-ray collimator
- Touch vision control panel
- Wide table. Width: 475 mm

NeuroLogica BodyTom Portable CT-Scanner

Highlights
- 32 Slice x 1,25 mm = 4 cm of coverage
- KV Range 80-140 kV at 300 mA
- Focal Spot Sice 1,2 mm x 1,4 mm
- 85 cm gantry
- 60 cm FOV
- Scout Scanning
- DICOM 3.1 with Modality Worklist
- Internal lead shielding
- compatible with all Surgical Navigations
- Weight 1270 kg, L 223 cm x W 91cm x H 202 cm
- Advanced Visualization Software Package
- 2D, 3D and MPR tools
- dose display prior to scan

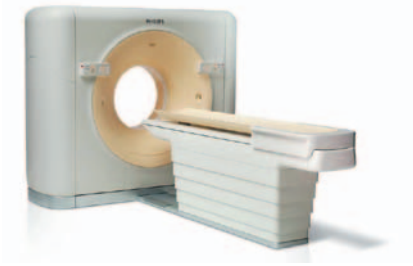
Philips Brilliance iCT scanners

	Brilliance iCT	Brilliance iCT SP
Channels	256	128
Power in kW	120	100
Coverage/rotation in mm	80	40

Highlights
- Enhanced performance for routine and emerging applications
- Patient-specific acquisition protocols to balance image quality and dose utility
- Revolutionary AirGlide Gantry for whisper-quiet performance at 220 rpms
- Exclusive dose-saving features like the Eclipse Collimator, Step & Shoot Cardiac and Dedicated Pediatric Protocols
- Life-cycle benefits through a scalable hardware and software platform

Philips Brilliance CT 64

	Brilliance 64 with Essence technology
Channels	64
Power in kW	60
Coverage/rotation in mm	40



Highlights
- Myocardial perfusion, CTA and whole brain perfusion
- CT stroke assessment, 80 mm coverage through Jog Scan
- Brilliance CT workspace user environment improves productivity by working the way you do
- DoseWise design delivers optimal dose efficiency without compromising image quality
- Submillimeter isotropic accuracy
- Essence technology with the latest x-ray tube, detector and reconstruction advancements improving image quality

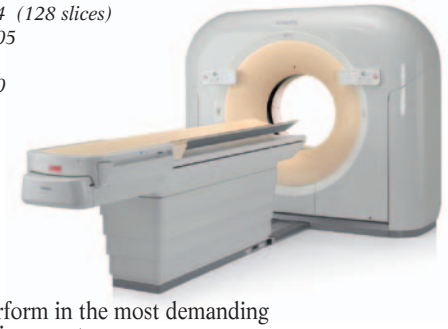
Philips Brilliance CT 16

	Brilliance 16
Channels	16
Power in kW	48
Coverage/rotation in mm	24

Highlights
- Advanced performance systems for routine imaging needs with fast acquisition and high quality image results
- Diagnoses of small lesions with submillimeter slices
- Brilliance CT workspace user environment improves productivity by working the way you do
- DoseWise design delivers optimal dose efficiency, without compromising image quality
- Scalable platform for growth and future applications, making it a secure, long-term investment

Philips Ingenuity CT

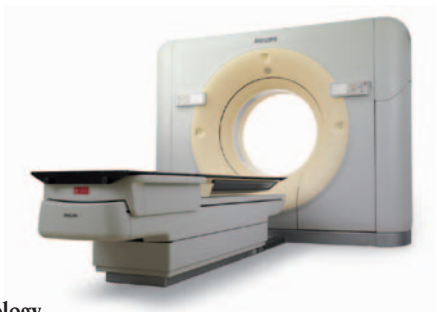
Channels	*64 (128 slices)*
Power in kW	*105*
Coverage/ rotation in mm	*40*



Highlights
- Designed to perform in the most demanding and critical environments
- Up to 80% less dose and maintain image quality
- Up to 50% less dose with a 35% improvement in spatial resolution
- Up to 68% improvement in spatial resolution at the same dose
- SyncRight technology to reduce injected contrast volumes up to 15%
- Up to 67% of protocols reconstructed in less than 60 seconds
- HIS/RIS, IntelliSpace Portal, and PACS integration
- Philips MRC Ice X-ray tube

Philips Brilliance CT Big Bore

Channels	*16*
Power in kW	*60*
Coverage/ rotation in mm	*24*

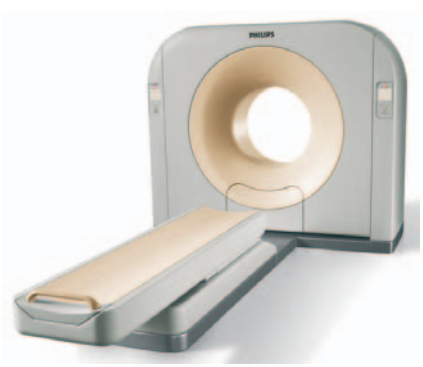


Highlights Radiology
- Answers many unique clinical challenges in the emergency department
- Beriatric table, 295 kg
- 85 cm gantry opening
- 60 cm true scan field-of-view (FOV)
- Extended FOV to 70 cm

Highlights Oncology
- 4D respiratory imaging
- TG66 compliant table
- 85 cm gantry opening
- 60 cm true scan field-of-view (FOV)
- Extended FOV to 70 cm

Philips MX 16-slice CT scanner

Channels	*16*
Power in kW	*50*
Coverage/ rotation in mm	*24*



Highlights
- Easy-to-use workflow for efficient operation
- Widest detector coverage in 16-slice class
- One of the industry's smallest site requirements at 18 square meters
- Fully compatible with Brilliance Workspace, Extended Brilliance Workspace and the Brilliance Workspace Portal

Siemens SOMATOM Definition Flash

Channels	*2 x 128 slices*
Power in kW	*200 kW*
Coverage	*488 mm (with A4DS)*
Resolution	*0.24 mm*

Highlights
- Flash Speed. Lowest Dose.
- FAST CARE for all Patients.
- Split-second thorax imaging without the need for breath hold
- Sub-mSv heart scanning to cover the entire heart in only 250 ms
- Single dose Dual Energy for a 2nd contrast in daily routine
- Iterative Reconstruction in Image Space delivers up to 60% additional dose reduction or significantly improved image quality

Siemens SOMATOM Definition AS FAST CARE

Channels	*128 slices (AS+) 64 slices (AS)*
Power in kW	*100 kW*
Coverage	*up to 415 mm (with A4DS plus at AS+)*
Resolution	*0.24 mm³*

Highlights
- Maximize Outcome. Minimize Dose.
- FAST CARE leverages untapped potential in patient-centric productivity
- Shields over-radiation in every spiral scan, additionally reducing the dose
- Raw-data based IR allows for up to 60% dose reduction or superior image quality
- Allows dynamic studies with up to 41.5 cm coverage

Siemens SOMATOM Definition AS Excel Edition

Channels	*128 slices (AS+) 64 slices (AS)*
Power in kW	*100 kW*
Coverage	*up to 255 mm (with A4DS at AS+)*
Resolution	*0.24 mm³*

Highlights
- Maximize Outcome. Minimize Dose.
- Single Click Readiness with direct scan parameter adjustment
- Shields over-radiation in every spiral scan, additionally reducing the dose
- Raw-data based IR allows for up to 60% dose reduction or superior image quality
- Allows dynamic studies with up to 25.5 cm coverage

TOSHIBA

Leading Innovation »»

NEW 2011

PRIME Aquilion

Aquilion Prime
160 slices/rotation

Your patients profit from

- the 78 cm gantry aperture
- the iterative dose reduction up to 75 %*
- the ultra-short examination

You profit from

- the new Dual-Energy mode with 50 cm FOV
- the Body Perfusion with 20 volumes/s
- the ultra-short reconstruction times from up to 50 images/s
- the Flexibility: data access via VPN

High-End-Technology with 160 slices

- active collimation to further reduce dose
- scan with up to 160 mm/s
- ultra-fast rotation-speed: 0,35 s/rotation for shorter acquisition times*

*in comparison with conventional CT-imaging

Made for Life

www.toshiba-medical.de
www.toshiba-medical.at
www.toshiba-medical.ch

ULTRASOUND CT MRI X-RAY SERVICES

Siemens SOMATOM Definition AS

Channels	*40 slices 20 slices*
Power in kW	*80 kW*
Coverage	*up to 80 mm (with A4DS)*
Resolution	*0.24 mm³ (for 40 slice config)*

Highlights
- Maximize Outcome. Minimize Dose.
- Single Click Readiness with direct scan parameter adjustment
- Shields over-radiation in every spiral scan, additionally reducing the dose
- Raw-data based IR allows for up to 60% dose reduction or superior image quality
- Allows dynamic studies with up to 8 cm coverage

Siemens SOMATOM Sensation Open

Channels	*40 slices*
Power in kW	*50 kW*
Coverage	*28.8 mm*
Resolution	*0.33 mm*

Highlights
- 82 cm large bore with 82 cm FoV
- 280 kg high capacity patient table
- Designed for RT planning
- Available as sliding gantry for trauma and inter-operative installations.

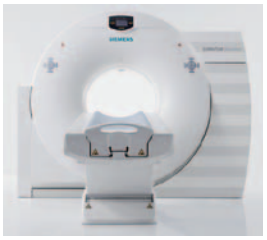
Siemens SOMATOM Definition AS Open

Channels	*64 slices*	*20 slices*
Power in kW	*up to 100 kW*	
Coverage	*up to 80 mm (Ad. 4D Spiral)*	
Resolution	*0.33 mm³*	

Highlights
- Maximize Outcome. Minimize Dose.
- Raw-data based IR allows for up to 60% dose reduction or superior image quality
- 80 cm large bore with 80 cm extended FoV and 65 cm HD FoV for RT planning
- Available as sliding gantry for trauma and inter-operative installations

Siemens SOMATOM Emotion 6/16

Channels	*16 slices*	*6 slices*
Power in kW	*50 kW*	*42 kW*
Rotation speed	*0.6/0.5 s opt*	*0.8/0.6 s opt*
Iterative Reconstruction	*Yes**	

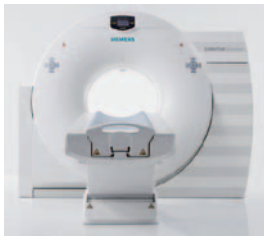


Highlights
- The Most Popular CT in the World
- Perfection in image detail with the smallest tube focal spot size and up to 68% dose reduction with CARE Dose4D
- Clinical efficiency simplified with the breathing indicator, CT storage box in gantry, up to 16 images per second recon and remote access to acquisition workplace
- Savings in every scan with the smallest space required for installation and lowest power and air-conditioning requirements

* Expected summer 2011

Siemens SOMATOM Emotion Excel Edition

Channels	*16 slices*
Power in kW	*50 kW*
Rotation Speed	*0.6 s*
Iterative Reconstruction	*Yes**



Highlights
- The Most Popular CT in the World now even more affordable
- Perfection in image detail with the smallest tube focal spot size and up to 68% dose reduction with CARE Dose4D
- Clinical efficiency simplified with the breathing indicator and CT storage box in gantry and up to 8 images per second reconstruction
- Savings in every scan with the smallest space required for installation and lowest power and air-conditioning requirements

*Expected summer 2011

Siemens SOMATOM Spirit

	Spirit	**Spirit Power**
Channels	*2 slices*	*2 slices*
Power in kW	*26 kW*	*40 kW*
Rotation speed	*1/0.8s opt*	*0.8s*

Highlights
- Join the World of CT
- New technology, more performance, less cost
- Easy user interface
- New level of cost-effectiveness
- New dimension in patient-friendliness

Toshiba AQUILION ONE

Slices	*640*
Coverage/rotation	*160 mm*
Rotation speed	*0,35 s*

Highlights
- Worlds first Dynamic Volume CT
- Adaptive Iterative Dose Reduction and Active Collimator
- Cardiac Sub mSv, irregular beat and perfusion scanning*
- Complete organ coverage without table movement
- Isophasic dynamic organ scans at superior temporal resolution (20 vol/s)
- CT DSA runs of dynamic scans
- Dual Energy at 50 cm Field of View*
- UltraHelical, fast scanning with outstanding quality*
- 300 kg patient load table with lateral movement*
- SUREXtension, remote access for instant reporting*
- 0,5 mm detector technology with best low contrast resolution 2 mm @ 3HU
- Hybrid gantry with energy regeneration

*option

Toshiba AQUILION Premium

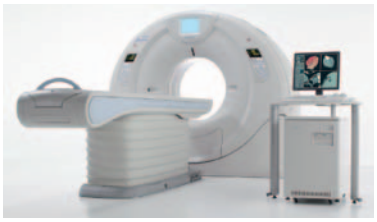
Slices	*320 – upgradeable to 640 slices*
Coverage/rotation	*80 mm*
Rotation speed	*0,35 s*

Highlights
- Dynamic volume CT
- Adaptive Iterative Dose Reduction and Active Collimator
- Cardiac volume imaging*
- Isophasic dynamic volume scans at superior temporal resolution (20 vol/s)
- CT DSA runs of dynamic scans
- Dual Energy with 50 cm Field of View*
- UltraHelical, fast scanning with outstanding quality*
- 300 kg patient load table with lateral movement*
- SUREXtension, remote access for instant reporting*
- 0,5 mm detector technology with best low contrast resolution 2 mm @ 3HU
- Hybrid gantry with energy regeneration

*option

Toshiba AQUILION PRIME

Slices	*160*
Coverage/rotation	*40 mm*
Rotation speed	*0,35 s*

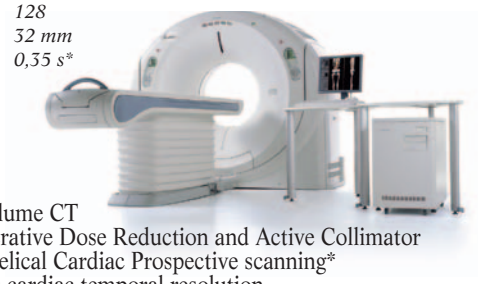


Highlights
- Dynamic volume CT with 78 cm bore
- Adaptive Iterative Dose Reduction and Active Collimator
- Low dose Helical Cardiac Prospective scanning
- CT DSA with SUBTraction*
- Dual Energy with 50 cm Field of View*
- Fast helical scanning with outstanding quality*
- Up to 50 images/s reconstruction*
- 300 kg patient load table with lateral movement*
- SUREXtension, remote access for instant reporting*
- 0,5 mm detector technology with best low contrast resolution 2 mm @ 3HU
- Hybrid gantry with energy regeneration

*option

Toshiba AQUILION CXL

Slices	*128*
Coverage/rotation	*32 mm*
Rotation speed	*0,35 s**

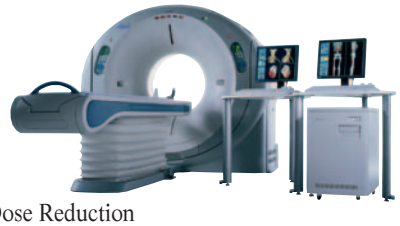


Highlights
- Dynamic volume CT
- Adaptive Iterative Dose Reduction and Active Collimator
- Low dose Helical Cardiac Prospective scanning*
- Up to 35 ms cardiac temporal resolution
- CT DSA with SURESubtraction*
- SURECardio, automatic optimization of scan and reconstruction parameter
- Variable helical pitch combines two scans in one run (e.g. ECG-gated and Run-off)*
- 300 kg patient load table with lateral movement*
- SUREXtension, remote access for instant reporting*
- 0,5 mm detector technology with best low contrast resolution 2 mm @ 3HU

*option

Toshiba AQUILION 64

Slices	*64 – upgradeable to 128 slices*
Coverage/rotation	*32 mm*
Rotation speed	*0,35 s**



Highlights
- Adaptive Iterative Dose Reduction
- SURECardio, automatic optimization of scan and reconstruction parameter*
- Low dose Helical Cardiac Prospective scanning*
- Up to 35 ms cardiac temporal resolution
- CT DSA with SURESubtraction*
- Variable helical pitch combines two scans in one run (e.g. ECG-gated and Run-off)
- 300 kg patient load table with lateral movement*
- SUREXtension, remote access for instant reporting*
- 0,5 mm detector technology with best low contrast resolution 2 mm @ 3HU

*option

Toshiba AQUILION 32

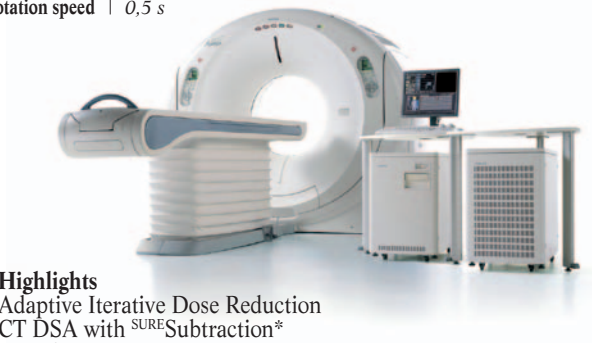
Slices	*32 – upgradeable to 64 and 128 slices*
Coverage/rotation	*32 mm*
Rotation speed	*0,35 s**

Highlights
- Adaptive Iterative Dose Reduction
- SURECardio, automatic optimization of scan and reconstruction parameter*
- Low dose Helical Cardiac Prospective scanning*
- Up to 35 ms cardiac temporal resolution
- CT DSA with SURESubtraction*
- Variable helical pitch combines two scans in one run (e.g. ECG-gated and Run-off)*
- 300 kg patient load table with lateral movement*
- SUREXtension, remote access for instant reporting*
- 0,5 mm detector technology with best low contrast resolution 2 mm @ 3HU

*option

Toshiba AQUILION RX

Slices	*16*
Coverage/rotation	*32 mm*
Rotation speed	*0,5 s*



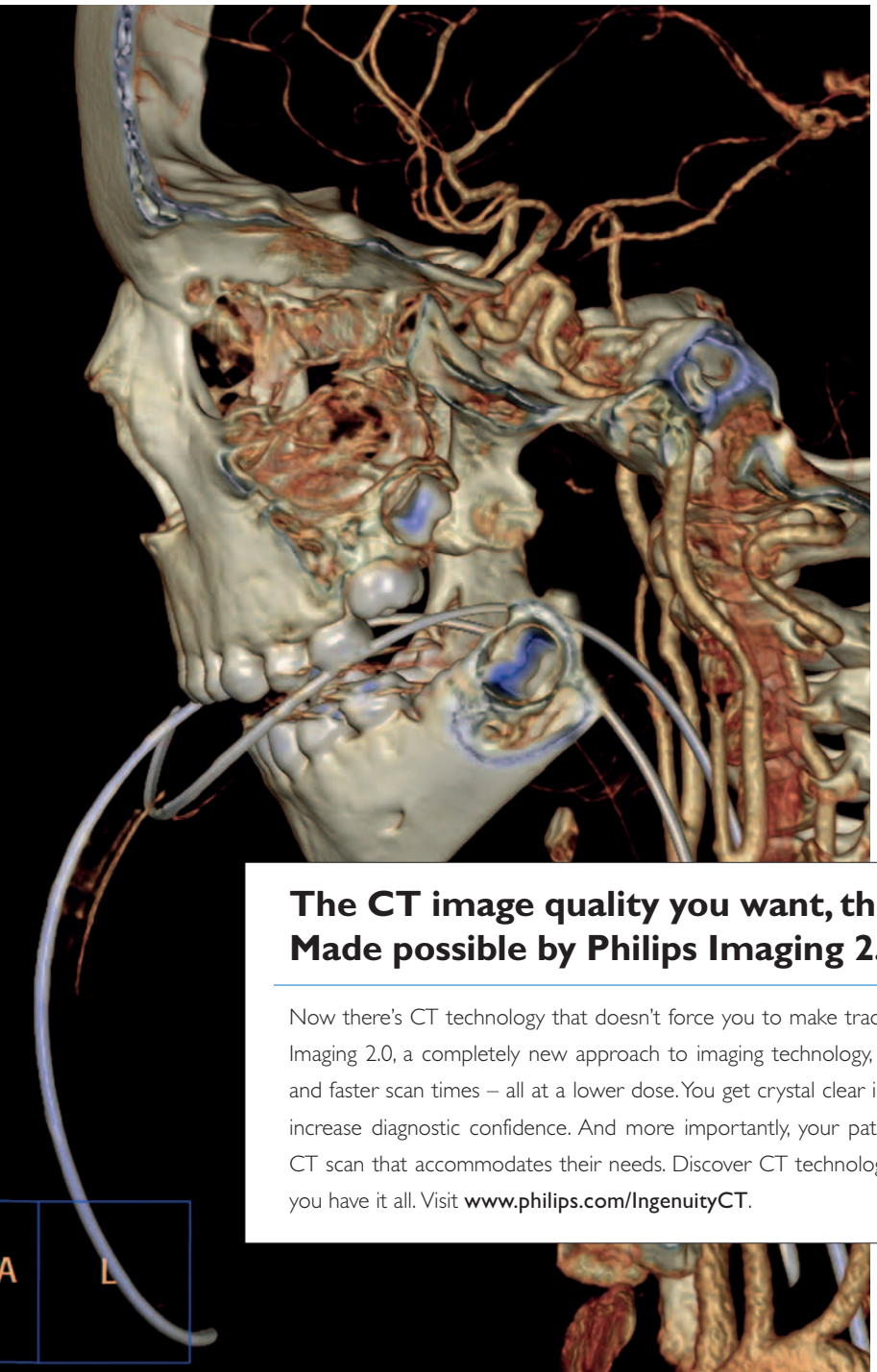
Highlights
- Adaptive Iterative Dose Reduction
- CT DSA with SURESubtraction*
- 25% faster reconstruction
- SUREXtension, instant access to scan results*
- 0,5 mm detector technology with best low contrast resolution 2 mm @ 3HU
- Reduced energy consumption

*option

Toshiba Activion 16

Slices	*16*
Coverage/rotation	*2,0 cm*
Rotation speed	*0,75 s*

Highlights
- CT DSA with Sure Subtraction (option)
- Powerful 3D software with auto bone removal
- 0,35 mm isotropic spatial resolution
- Easy “Ready-Set-Go” user concept
- Ultra low dose scanning
- Real time multislice fluoroscopy
- 0,5 mm detector technology with best low contrast resolution 2 mm @ 3HU

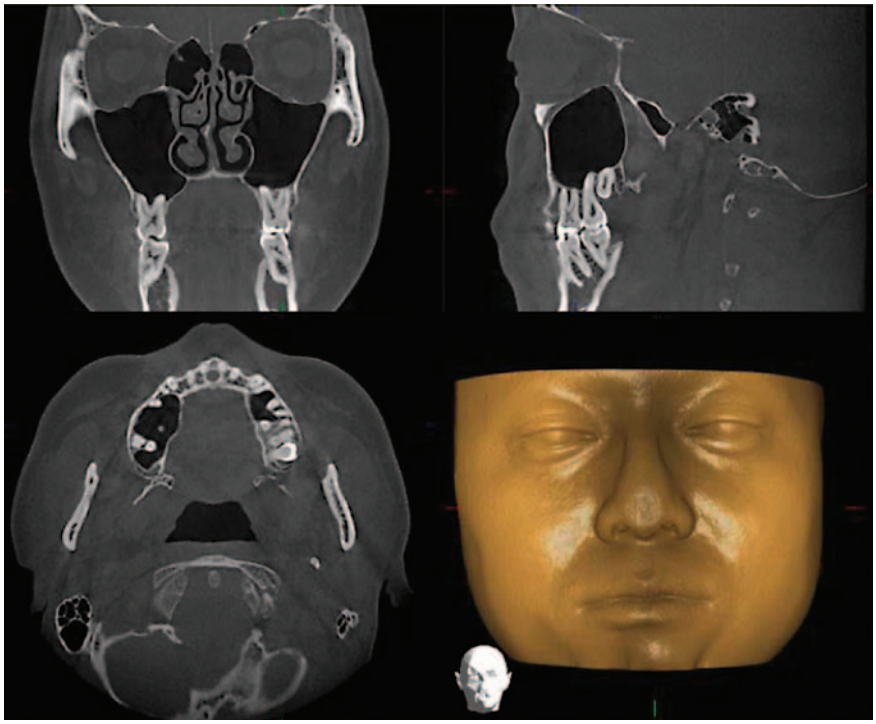


The CT image quality you want, the low-dose scan he needs. Made possible by Philips Imaging 2.0.

Now there's CT technology that doesn't force you to make tradeoffs: the Philips Ingenuity CT. Thanks to Philips Imaging 2.0, a completely new approach to imaging technology, the Ingenuity CT allows for high-quality images and faster scan times – all at a lower dose. You get crystal clear images that increase diagnostic confidence. And more importantly, your patients get a CT scan that accommodates their needs. Discover CT technology that lets you have it all. Visit **www.philips.com/IngenuityCT**.

PHILIPS
sense and simplicity

Sharp teeth at low dose



Today, digital volume tomography (DVT) originally developed for ENT and dental medicine applications, is a high performance modality. Compared to a conventional CT scan a DVT scan offers better image quality at lower dose. Markus Hoppe, managing director of SCS, a solutions provider based in southern Germany, wants more patients to be able to benefit from this technology and thus offers radiologists a complete DVT service package. Guido Gebhardt reports.

What do you intend to achieve with the DVT service package?
With our DVT service package we want to enable radiologists to produce high quality ENT and dental images for their referring physicians. Dentists as well as ENT specialists rely on digital volume tomography. They appreciate the fact that good DVT systems generate high resolution images at low dose. But unfortunately good systems are not always used. Therefore we want to support the radiologists'diagnostic competence with DVT.

Our service concept helps radiologists to strengthen and expand their current referral structures with ENT specialists and dentists. We do not want to sell individual systems; we rather offer different service models which can include setting up and operating the entire infrastructure from scheduling to performing the examinations down to digital image distribution and archiving.

Where to you see the major challenges with regard to the implementation of your concept?
The concept addresses different questions that hardly any manufacturer can solve all by himself. Mere hardware does not yet constitute a solution. Radiologists need to communicate in a specific way with referring physicians to let them know that an entirely new service is being offered. Establishing investment pools is also about communication with physicians and investors. Unlike radiologists ENT specialists and dentists are not necessarily aficionados of high-end CT systems. They tend to consider a high quality and low dose DVT a solution to their issues. And those ENT specialists and dentists who have had some first-hand experience with the image quality of a premium DVT solution don't want to work with anything else anymore. With digital volume tomography radiologists can close the diagnostics gap that has developed over the past few years.

We link radiologists, ENT specialists and dentists via www.mydvt.net. SCS takes care of the entire process from scheduling appointments down to image and report management.

What does the DVT service package offered by SCS comprise?
We build bridges. We have been working with dentists for many years and know the problems referring physicians face. Our task is to enable radiologists, dentists and ENT specialists to cooperate efficiently. We provide objective information with the aim to use the new modality to capacity. We are not looking for a medium-term but a long-term way to anchor this concept, no matter whether we are talking about a sole operator or n operating consortium.

Standard models are a thing of the past since today radiologists operate in a wide variety of contexts. We analyze the current situation and look for solutions that benefit everyone. Whatever works in Berlin does not necessarily work in Munich. Moreover we are not bound to the systems of one manufacturer. We aim to offer quality-assured tailor-made solutions that improve diagnostic outcomes. www.mydvt.net

SCS – Accuitomo Med Series – H17

Voxelsize	*80 µm*
Scan time	*18 s*
Scan Volumina	*Ø 40 x H40 mm,* *Ø 60 x H60 mm,* *Ø 80 x H80 mm,* *Ø 100 x H100 mm,* *Ø 170 x H120 mm*

Highlights
- Offers high definition 3D-CT images with low patient dose
- Displays both hard and soft tissue
- A wide dynamic range and precise grayscale differentiation capability
- Enables comprehensive examination for diagnosing temporal bone, paranasal sinuses, mandible, skull base, etc.
- Compact Floor space: 1,620 mm X 1,200 mm

SCS – Planmeca Med Series – H23

Voxelsize	*80 µm*
Scan time	*18 - 26 s*
Scan Volumina	*Ø 230 mm x 260 mm,* *Ø 230 mm x 160 mm,* *Ø 100 mm x 130 mm,* *Ø 100 mm x 90 mm,* *Ø 100 mm x 55 mm,* *Ø 50 mm x 55 mm*

Highlights
- Amorphous Silicon flat panel with CsI scintillator
- Sensor active area 19.3 x 24.2 cm, 1516 x 1900 pixels, sensor pixel size 127µm
- 15 bit dynamic range, 32768 gray values
- Single 210/360 degree rotation
- Scan time 18 - 26 s
- Exposure time 2.4 - 18 s depending on image size and resolution mode

SCS – Planmeca Med Series – H16

Voxelsize	*80 µm*
Scan time	*18 s*
Scan Volumina	*Ø 40 x 50 mm* *Ø 40 x 70 mm* *Ø 70 x 50 mm* *Ø 70 x 70 mm* *Ø 90 x 50 mm* *Ø 90 x 90 mm* *Ø 160 x 50 mm* *Ø 160 x 90 mm* *Ø 160 x 160 mm*

Highlights
- Direct deposit CsI coated CMOS Flat panel sensor capable for 30 frames/sec image read out
- Sensor active area 13 x 13 cm, 1024 x 1024 pixels, sensor pixel size 127 µm
- 15 bit dynamic range, 32768 gray values
- Single 200/360 degree rotation
- Scan time 18 - 26 s
- Exposure time 2.4 - 18 s depending on image size and resolution mode
- Exposure time 12 s in High Resolution and Normal modes and 2.8 s in Low Dose mode

Planmed Verity Extremity CT Scanner

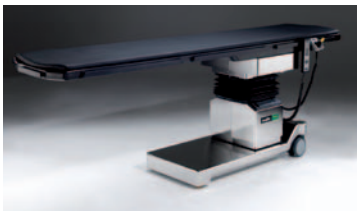
Resolution	*0.4, 0.2 mm (0.1 mm high res mode)*
Scan Time	*20 s*
KV-Range	*80-96 kV*

Highlights
- Cone Beam CT (CBCT) scanner dedicated to extremity imaging
- High quality 3D imaging with low dose
- Compact, mobile, easy to site
- Motorized, soft-surface gantry adapts to the patient
- TearDrop shaped bore with target specific positioning system
- Optional weight-bearing CT

CT ACCESSORIES

medifa MRT5600 II – mobile imaging operating tables

Chassis	*movable*
Table top	*2340 x 500 or 600 mm*
Power	*line or battery*
Radiolucent factor	*1,0 mm/100 kv*



Highlights
- Table top as well as rails at head end and beside the lying surface are made of carbon fiber for excellent usage of c-arms.
- Height adjustment, Trendelenburg positioning, lateral tilt as well as table top sliding by hand switch or operating panel at the column
- Longitudinal as well as transversal slide of table top additionally by joystick
- All adjustments work electro-hydraulically
- Supports patients weight up to 250 kg in each position

Alliance Medical – flexible diagnostic imaging services

Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET/CT
- Interim services for bridging downtimes
- Regular „routing“ services

Dunlee CT Replacement Tubes

Highlights
- replacement for GE LightSpeed VCT and select Series* CT systems
- offers the same warranty as the OEM product
- keep your system operational without breaking the budget

* All product listed may be trademarked by the referenced OEM

IAE RTC 165

Replacement for GE scanners: Sytec 6000/8000 Prospeed, Hispeed Dxi, Fxi, Lxi CT/ i Advantage

Highlights
- 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

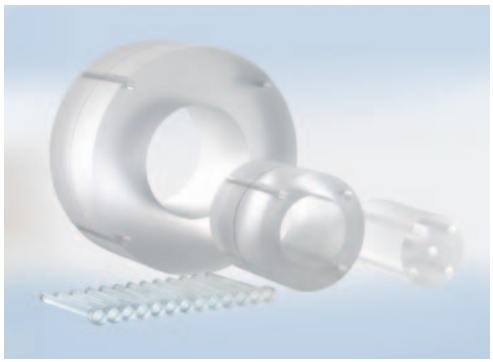
IBA Dosimetry Dosimax plus A HV

Dosimeter for measuring simultaneously dose, dose rate, exposure time and dose length product

Highlights
- Designed according to IEC 61674
- For use with solid state detectors or ionization chambers
- For CDTI determination in combination with head and body phantom

IBA ct-advanced

Adult Head & Body / Pediatric Head & Body
Complete measuring kit for CTDI measurements at all types of CT scanners.



Highlights
- For conventional and additional for pediatric CTDI measurements
- For high precise measurements with DCT-10-RS CT chamber

PTW CT Dosimetry

Quality control equipment for CT dose measurements

Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET/CT
- Interim services for bridging downtimes
- Regular „routing“ services

RTI Electronics CT Dose Profiler

The CT Dose Profiler is designed to make CTDI measurement more exact and has also the ability to further analyze the result. Following parameters are achived from a single exposure:
CTDI100, CTDIvol, DCTIw, CT dose profile, DLP, Point Dose, Performance of the AEC, FWHM and Scatter Index.

Highlights
- All in One Shot
- Quick and Simple Set up
- Accurate and Sensitive
- No limitations due to the beam width

Tomovation – Modular building solutions

Highlights
– Engineering, rental, sale of modular buildings MRI, CT, PET, PET/CT including or excluding diagnostic equipment

ulrich medical – CO_2 Insufflator for virtual colonoscopy

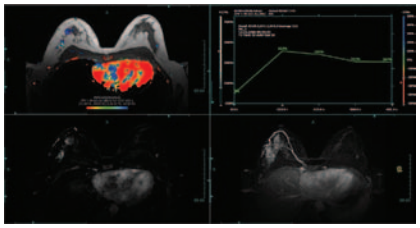
Pressure	*0-30 mmHG, infinitely variable, preselectable*
Insufflation rate	*1-4 l/min, arbitrary*
Setting	*supported by voice confirmation system*

ulrichINJECT CO 2flow™

Highlights
– Automatic insufflation of CO_2 into the colon for virtual colonoscopy examinations in CT
– Significant improvement of diagnostic results compared to manual room air insufflation
– Increase of patient comfort due to automatic adjustment of over pressure and faster resorption
– Easy setting of gas volume and pressure
– Display of gas consumption
– Four adjustable flow rates

Vital Images Vitrea Enterprise Suite

Vitrea Enterprise Suite is Vital Images' premier package of advanced visualization tools, clinical applications, and data management systems.



Highlights
– Automatic insufflation of CO_2 into the colon for virtual colonoscopy examinations in CT
– Significant improvement of diagnostic results compared to manual room air insufflation
– Increase of patient comfort due to automatic adjustment of over pressure and faster resorption
– Easy setting of gas volume and pressure
– Display of gas consumption
– Four adjustable flow rates

Esaote C-Scan

Field	*0.2 T*
Gradient	*±10 mT/m*
Slewrate	*40 mT/m/ms*

Highlights
- In-office MRI unit for the MRI diagnosis of the upper and lower extremities
- Permanent magnet with integrated RF-shielding, no external RF-shielding necessary
- Direct operator – patient contact
- Patient positioning outside the magnet
- Only 9 m² room size needed

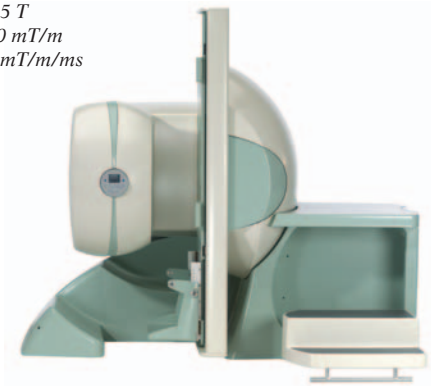
Esaote S-Scan

Field	*0.25 T*
Gradient	*±20 mT/m*
Slewrate	*25 mT/m/ms*

Highlights
- MRI unit for all musculoskeletal MRI, from foot to shoulders including the most important spine segments such as Lumbar and Cervical Spine.
- Open permanent magnet design
- High efficiency
- Only 18m² room size needed

Esaote G-Scan

Field	*0.25 T*
Gradient	*±20 mT/m*
Slewrate	*25 mT/m/ms*



Highlights
- MRI unit for weight bearing musculoskeletal examinations
- Open permanent magnet design
- Tilting magnet mechanism 0° – 90°
- Weight bearing examinations of lumbar spine, knee and foot
- Functional MRI of the cervical spine in seated patient positioning

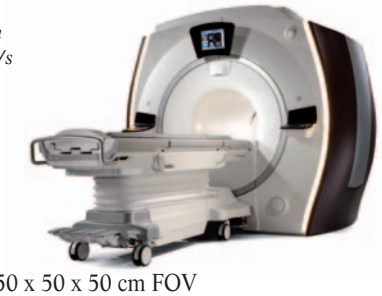
Esaote O-Scan

Field	*0.31 T*
Gradient	*±20 mT/m*
Slewrate	*50 mT/m/ms*

Highlights
- New generation of dedicated MRI for MSK applications
- Excellent MRI capabilities, wide FOV, enhanced productivity, full connectivity and superior cost-effectiveness
- Its unique design and ergonomy provides optimal patient comfort and eliminates claustrophobic reactions

GE Healthcare Discovery* MR750w 3.0T

Field	*3.0 T*
Gradient	*44 mT/m*
Slewrate	*200 T/m/s*



Highlights
- Patient centric design
- 70 cm bore with full 50 x 50 x 50 cm FOV
- Geometry Embracing Method (GEM**): lightweight and flexible coils, embedded posterior array, open face Head/neck unit, feet first imaging
- Multi-drive RF Transmit improves RF uniformity and signal homogeneity
- Optical RF – analog to digital-optical signal conversion

* Discovery is a trademark of General Electric Company. The MR750w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA.

** The GEM coil suite available on MR450w and MR750w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA.

GE Healthcare Discovery MR750 3.0T & MR450 1.5T

	MR750	MR450
Field	*3.0 T*	*1.5 T*
Gradient	*50 mT/m*	*50 mT/m*
Slewrate	*200 T/m/s*	*200 T/m/s*

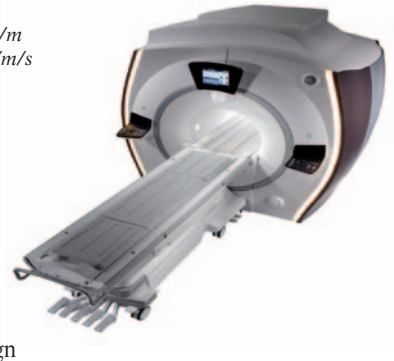
Highlights

Powerfully simple
- Express preparation exam
- »Can't miss« applications and HD coils

Simply powerful
- Shorter TE/TR & faster acquisitions with unique gradients architecture
- Faster reconstruction
- 27% more SNR with optical RF technology

GE Healthcare Optima* MR450w with GEM Suite

Field	*1.5T*
Gradient	*34 mT/m*
Slewrate	*150 T/m/s*



Highlights
- Patient centric design
- 70 cm bore with full 50 x 50 x 50 cm FOV
- Geometry Embracing Method (GEM**): lightweight and flexible coils, embedded posterior array, open face head/neck unit, feet first imaging
- Optical RF – analog to digital-optical signal conversion

* Optima is a trademark of General Electric Company.
** The GEM coil suite available on MR450w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA.

GE Healthcare Optima MR360 1.5T

Field	*1.5T*
Gradient	*33 mT/m*
Slewrate	*100 T/m/s*

Highlights
- Remarkable flexibility and efficiency to match a wide range of imaging needs
- high image quality and lower total cost of ownership
- Technologists benefit from ease of use and confidence
- Radiologists benefit from expanded diagnostic capabilities Administrators benefit from more satisfied patients, efficient throughput, and opportunities for growth

GE Healthcare Signa HDxt 1.5T & 3.0T – Optima Edition

Field	*3.0 T*	*1.5 T*
Gradient	*50 mT/m*	*33 mT/m*
Slewrate	*150 T/m/s*	*120 T/m/s*

Highlights
- Engineered for high definition imaging
- Loaded with an extended set of advanced applications to help provide more clinical information and more comfort for patients
- Designed for consistency and simplicity to enhance productivity
- Built for upgradeability, uptime and investment protection

* Optima is a trademark of General Electric Company.
The HDxt Optima Edition software option cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions.

GE Healthcare Signa HDe 1.5T

Field	*1.5 T*
Gradient	*23 mT/m*
Slewrate	*50 T/m/s*

Highlights
- Compact MR design – only 25 m² siting space
- Low operating costs – 25% less than other 1.5 T systems
- High fidelity gradients to achieve accurate gradient pulses
- Broad range of high density coils for all applications
- Exclusive HD applications
- Consumes 41% less energy than previous generation systems, GE »ecomagination« certified

GE Healthcare Optima* MR430s 1.5T

Field	*1.5 T*
Gradient	*70 mT/m*
Slewrate	*300 T/m/s*

Highlights
- High field MR speciality system for extremity imaging
- Innovative design offers improved MR experience for patients as well as more efficiencicy and simplicity for technologists
- Minimal space requirements (20m²)
- Most powerful gradients commercially available
- Healthymagination validated product

* Optima is a trademark of General Electric Company.
The MR430s cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions, 510(k) pending at FDA. Not available for sale in the USA.

GE Healthcare MRgFUS (MR-guided focused ultrasound)

Field	*1.5 T/ 3.0 T*
Technology	*Combination of MR imaging and highly intense ultrasound ExAblate 2000 (InSightec)*
Clinical Applications	*Uterine fibroids / bone tumors* / breast cancer* liver tumors* / prostate cancer** * Investigational use*

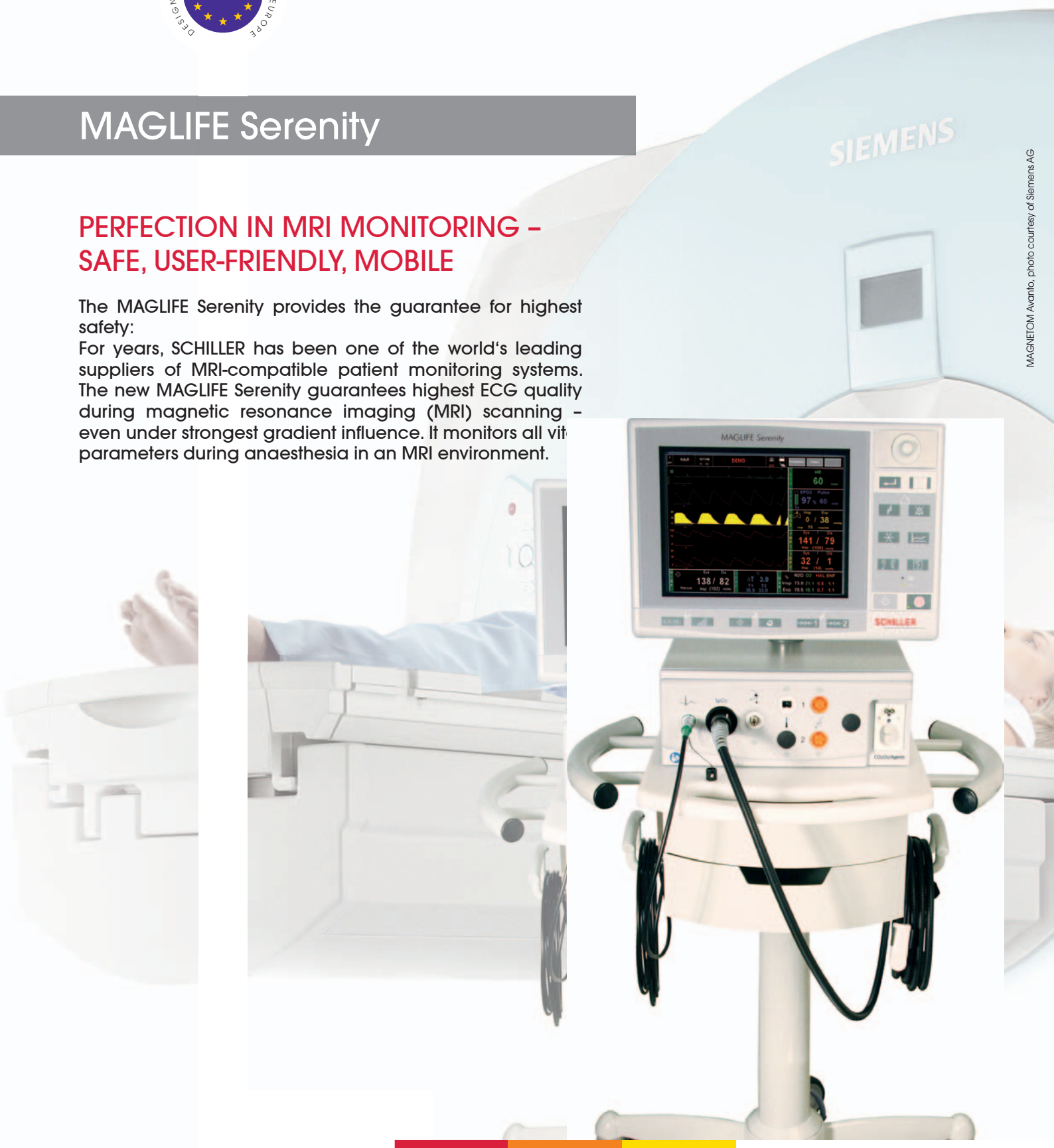
Highlights
- No radiation
- Visualizes and controls treatment by monitoring tissue effect real time
- Limited conscious sedation (except for liver application general anaesthetic; necessary)
- Quick recovery, low rate of complications

DESIGNED AND MANUFACTURED IN EUROPE

MAGLIFE Serenity

PERFECTION IN MRI MONITORING – SAFE, USER-FRIENDLY, MOBILE

The MAGLIFE Serenity provides the guarantee for highest safety:
For years, SCHILLER has been one of the world's leading suppliers of MRI-compatible patient monitoring systems. The new MAGLIFE Serenity guarantees highest ECG quality during magnetic resonance imaging (MRI) scanning – even under strongest gradient influence. It monitors all vit parameters during anaesthesia in an MRI environment.



MAGNETOM Avanto, photo courtesy of Siemens AG

SCHILLER
The Art of Diagnostics

Headquarters: SCHILLER AG, Altgasse 68, CH-6341 Baar, Switzerland, Phone +41 41 766 42 42, Fax +41 41 761 08 80, sales@schiller.ch, **www.schiller.ch**

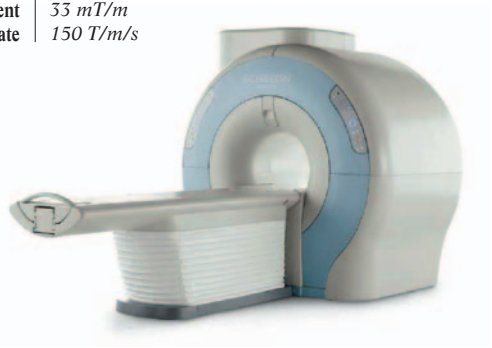
Hitachi Medical Systems OASIS

Field	*1.2 T*
Gradient	*33 mT/m*
Slewrate	*100 T/m/s*

Highlights
- Wide, truly open HF MRI system: latest technology milestone in MRI scanners design. A new standard for effective MR Imaging
- Fit for every patient: bulky (up to 300kg), kids, elderly, anxious
- Genuine "human" centric design: patient, nurses, radiologists,…
- Highest field strength presently available on the market for open HF MRI systems
- Unique system: allows application development and keeps owners having something different from others

Hitachi Medical Systems Echelon

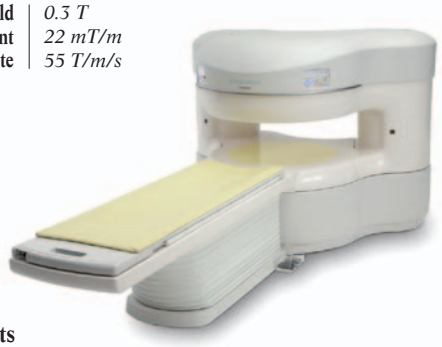
Field	*1.5 T*
Gradient	*33 mT/m*
Slewrate	*150 T/m/s*



Highlights
- Short bore, low running costs HF MRI system
- High magnetic field homogeneity
- Dedicated technology and sequences for artefacts suppression, very effective fat suppression/separation
- Scalable RF system, 32 RF coils available
- Low cryogen boil-off technology

Hitachi Medical Systems AIRIS Vento

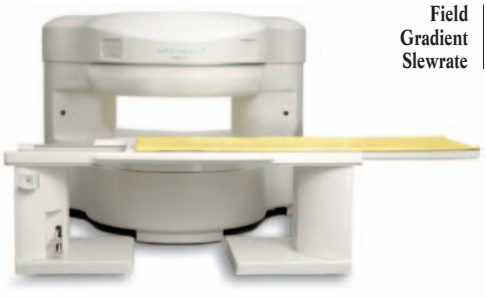
Field	*0.3 T*
Gradient	*22 mT/m*
Slewrate	*55 T/m/s*



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

Hitachi Medical Systems AIRIS Vento LT

Field	*0.3 T*
Gradient	*22 mT/m*
Slewrate	*55 T/m/s*



Highlights
- Comfort class compact open MRI system
- Less intimidating compact architecture
- Laterally aligned table
- Allows newly developed technologies available at an excellent cost of ownership
- High magnetic field homogeneity
- Environment friendly: extremely low power consumption and reduced installation requirements
- Reduced running costs allowing fast return of investment

Hitachi Medical Systems APERTO Lucent

Field	*0.4 T*
Gradient	*25 mT/m*
Slewrate	*55 T/m/s*

Highlights
- Wide, 320 degrees open permanent MRI system
- Features top field strength – 0.4T – 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

Medtronic Polestar Surgical MRI System

Magnetic Field	*0.15 T*
Gradient Amplitude	*23.5 mT/m*
Gradient Slew Rate	*80 T/m/S*
	Compact and mobile

Highlights
- Designed for integration in most OR's using mobile RF shielding
- Compatible with most existing surgical equipment.
- Perfect match to neurosurgical workflow.
- Fits under OR table and moves up to patient for imaging.
- Standard patient positioning, no patient movement needed during procedure.
- Integrated StealthStation Image Guided Surgery System to maintain navigational accuracy throughout the surgery.
- Auto-registration of images to patient
- Confirmation of completeness of resection and absence of complications prior to closing.

Medicor: MSK Extreme / Optima MR430s 1.5T

Gradient System	
Strength	*70 mT/m*
Slew Rate	*300 T/m/s*
Rise Time	*233 microseconds*
Noise	*< 104 dB (A)*

Highlights
- Power of high field
- Low siting costs
- Patient comfort, truly open
- Optimized performance, high resolution
- Ease of use

Mindray MagSense 360

Field	*0.36T*
Gradient	*25mT/m*
Slewrate	*42mT/m/ms*

Highlights
- InScan/OutScan two modes
- Maximum wide open MRI (330°)
- Maximum gradient field intensity
- 4D magnetic field uniformity technology
- Mindray EcZero Eddy compensation technology
- Comprehensive software packages and intervention software package
- Achieve part of high field functions

RAD BOOK

Please see us at ECR, first level, booth 635

Philips Ingenia 3.0T

Ingenia 3.0T: The first-ever digital broadband MR system

Highlights
- Increase SNR by up to 40%
- As much as 30% improvement in throughput
- Plug-and-play expansion
- Largest homogeneous FOV for a 70 cm bore
- Significant reduction of routine tasks
- Contrast uniformity, speed, consistency MultiTransmit 4D* brings the benefits of MultiTransmit technology to cardiac imaging. It adapts RF signals to each patient, addressing dielectric shading to provide superb image uniformity, contrast & consistency, as well as faster imaging.

*available in the course of 2011
Pending 510(k). Not available for sale in the U.S.

Philips Achieva 3.0T TX

Field	*3.0 T*
Gradient	*80 mT/m*
Slewrate	*200 mT/m/ms*

Highlights
- MultiTransmit technology for enhanced speed, image quality and consistency through patient-adaptive imaging
- Productivity and efficiency with SmartExam: 1 click for consistent and reproducible MR exams. Available for Brain, Spine, Knee, Shoulder and Breast
- Advanced functionality: high SENSE acceleration capabilities, ultra-fast MR angiography with 4D-TRAK, cardiac imaging with k-t BLAST, 2k Imaging for ultra-high spatial resolution and unique applications like DWIBS, ASL & SENSE spectroscopy

Philips Achieva 3.0T X-series

Field	*3.0 T*
Gradient	*80 mT/m*
Slewrate	*200 mT/m/ms*

Highlights
- Wide open, patient-friendly, flared short bore design with 50 cm imaging coverage for comfortable and efficient patient imaging
- High productivity and efficiency with SmartExam: 1 click for consistent and reproducible MR exams. Available for Brain, Spine, Knee and Shoulder
- Advanced functionality for speed and resolution: high SENSE acceleration capabilities, ultra-fast MR angiography with 4D-TRAK, cardiac imaging with k-t BLAST, 2k Imaging for ultra-high spatial resolution

Philips Ingenia 1.5T

Ingenia 1.5T: The first-ever digital broadband MR system

Highlights
- Increase SNR by up to 40%
- As much as 30% improvement in throughput
- Plug-and-play expansion
- Largest homogeneous FOV for a 70cm bore
- Significant reduction of routine tasks

Pending 510(k). Not available for sale in the U.S.

Philips Achieva XR

Field	*1.5 T rampable to 3.0 T*
Gradient	*80 mT/m*
Slewrate	*200 mT/m/ms*

Highlights
- Superb 1.5T clinical solution: Covers wide ranging applications including advanced capabilities such as Body Diffusion (DWIBS), non-contrast perfusion (ASL), DTI and fiber tractography and Cardiac
- Easy and economic transition to 3T: avoids typical downtime, construction and operational costs
- 3.0T value inside: XR system retains high residual value with 3.0T magnet and gradients built-in

Philips Achieva 1.5T A-series

Field	*1.5 T*
Gradient	*66 mT/m*
Slewrate	*180 mT/m/ms*

Highlights
- SmartExam – 1 click for consistent and reproducible MR scans
- 4D Angio's (Time resolved) with 4D TRAK and SENSE parallal imaging
- A full range of high-channel SENSE coils for high resolution and speed
- New contrast in oncology applications with DWIBS whole body diffusion
- Advanced 3D cardiac, neuro, breast and spectro imaging

Philips Achieva 1.5T SE

Field	*1.5 T*
Gradient	*33 mT/m*
Slewrate	*122 mT/m/ms*

Highlights
- A true value-for-money 1.5T system with comprehensive imaging capabilities
- Smarter economics with PowerSave (reduces energy bill by up to 50%) and compact siting (only 27m2)
- Built on proven Achieva platform offering wide choice of easy and economical upgrade paths

Philips Intera 1.5T

Field	*1.5 T*
Gradient	*33 mT/m*
Slewrate	*80 mT/m/ms*

Highlights
- SmartExam – 1 click for consistent and reproducible MR scans
- NetForum community access with ExamCards for all studies
- Investment value – FreeWave platform based – ready for new applications
- SENSE for fast imaging in all applications

Philips Panorama MR HFO Oncology Configuration

Philips Panorama MR HFO Oncology Configuration
Imaging that fits your planning

Highlights
- Imaging in treatment position enabled by the open spacious design of the system
- Streamlined clinical workflow with MR images customized for Radiation Therapy planning
- Quality assurance for geometric deformation

Philips Sonalleve MR-HIFU

Philips Sonalleve MR-HIFU Uterine Fibroid therapy system
A real alternative to surgery

Highlights
- A planning stage in which 3D MRI is used to plan and simulate the procedure
- A non-invasive treatment stage in which a high-intensity focused ultrasound energy beam penetrates through the skin and soft tissue (see image), causing localized high temperatures to coagulate tissue only in the focus area and leaving the skin and intermediate tissue unharmed. The process is monitored and controlled by MR imaging and feedback. During treatment, the ultrasound focus is moved electronically over the volume to be ablated
- A therapy verification stage in which contrast-enhanced MRI is used to assess the procedure.

Not available in the U.S.A.

Philips Panorama HFO

Field	*1.0 T*
Gradient	*28 mT/m*
Slewrate	*120 mT/m/ms*

Highlights
- Patient friendly: three times larger patient aperture than conventional MR to handle stressed and claustrophobic patients, children, elderly and large patients
- High-field performance comparable to 1.5 T in a truly open configuration
- Increased productivity with SmartExam, one-click planning, scanning and processing
- Enables unique applications not possible with cylindrical systems

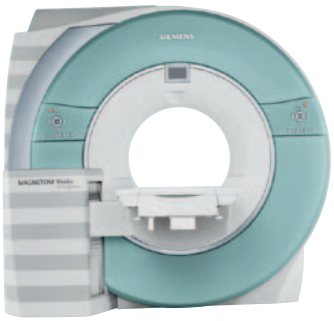
Siemens Magnetom Skyra, A Tim+Dot System

Field	3T
Gradient	45 mT/m
Slewrate	200 T/m/s

Highlights
- Boost productivity with Tim® (Total imaging matrix) and Dot (Day optimizing throughput)
- Ultra-light and short 3T system
- Greater patient access and comfort with 70 cm Open Bore design
- TrueForm Design for increased homogeneity
- DirectRF - for higher signal purity and improved stability
- New fixed and Tim Dockable Table options

Siemens Magnetom Verio, A Tim System

Field	3T
Gradient	45 mT/m
Slewrate	200 mT/m/s



Highlights
- Combination of 3 T, 70 cm Open Bore, and Tim (Total imaging matrix)
- Ultra-light magnet with zero helium boil-off
- Large field of view, supporting a full range of clinical applications
- TrueForm magnet design offers enhanced image quality by optimizing the homogeneity

Siemens Magnetom Trio, A Tim System

Field	3T
Gradient	45 mT/m
Slewrate	200 T/m/s

Highlights
- Excellent 3T magnet with unmatched homogeneity and strong gradients with AudioComfort
- Tim with up to 32 RF channels for outstanding image quality, speed and flexibility
- Trendsetting applications make the extraordinary routine

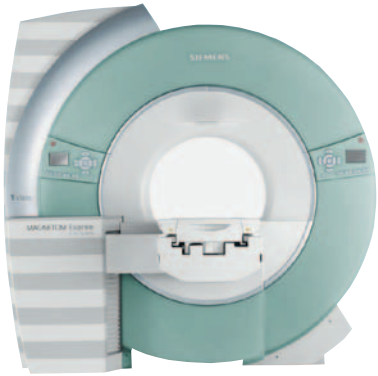
Siemens Magnetom Aera, A Tim+Dot System

Field	1.5 T
Gradient	33 mT/m
Slewrate	125 T/m/s

Highlights
- Boost productivity with Tim (Total imaging matrix) and Dot (Day optimizing throughput)
- Greater patient access and comfort with 70 cm Open Bore design
- Ultra-light and short 1.5T system
- TrueForm Design optimizes the 50x50x45cm FoV
- DirectRF - for higher signal purity and improved stability
- New fixed and Tim Dockable Table options

Siemens Magnetom Espree, A Tim System

Field	1.5 T
Gradient	33 mT/m
Slewrate	100 T/m/s



Highlights
- 70-cm open bore
- Broad range of dedicated applications
- Unparalleled flexibility, accuracy, and speed - thanks to Tim
- Zero Helium boil-off minimizes life-cycle costs

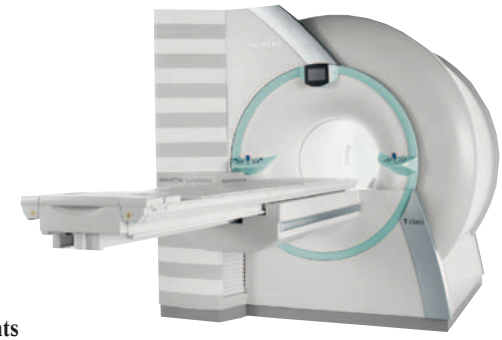
Siemens Magnetom Avanto, A Tim System

Field	1.5 T
Gradient	45 mT/m
Slewrate	200 T/m/s

Highlights
- Leading applications with Tim (Total imaging matrix)
- 500 mm field of view, zero eddy-currents
- AudioComfort: ear protection not mandatory
- Parallel imaging from head to toe

Siemens Magnetom Symphony, A Tim System

Field	*1.5 T*
Gradient	*30 mT/m*
Slewrate	*125 T/m/s*



Highlights
- Complete range of applications powered by Tim
- Advanced applications, like non-contrast enhanced applications *syngo* ASL (Arterial Spin Labeling) and *syngo* NATIVE
- Whole-body capabilities with up to 200 cm Field of View
- Higher throughput with Tim's revolutionary coil concept

Siemens MAGNETOM ESSENZA, A Tim System

Field	*1.5 T*
Gradient	*30 mT/m*
Slewrate	*100 mT/m/s*

Highlights
- The most affordable* 1.5 T MRI
- Ultra-short, lightweight system delivers the flexibility, accuracy and speed of Tim
- Low total cost of ownership
- Easy to site, easy to learn, easy to operate

* Results may vary. Data on file

Siemens Magnetom Espree – Pink

Field	*1.5 T*
Gradient	*33 mT/m*
Slewrate	*100 T/m/s*

Highlights
- Dedicated breast scanner with short system length of only 125 cm
- Variable coil geometry (VCG) for both imaging and biopsy
- Pink Comfort - 70 cm open-bore for increased patient comfort
- Pink Applications - Wide range of applications dedicated to improve diagnostic confidence
- Pink Workflow - Comprehensive tools that support the continuum of breast care

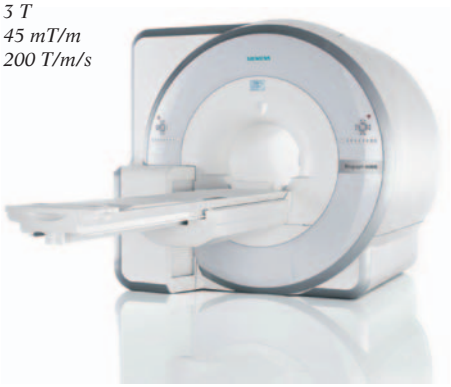
Siemens Magnetom C!

Field	*0.35 T*
Gradient	*24 mT/m*
Slewrate	*55 mT/m/ms*

Highlights
- Easy 270° accessibility
- Patient-friendly side loading
- Extraordinary image quality in head-to-toe applications
- Minimal siting requirements: Less than 30 m² (325 sq.ft)
- Excellent Return-On-Investment: Decreased costs - optimized profitability

Siemens Biograph mMR

Field	*3 T*
Gradient	*45 mT/m*
Slewrate	*200 T/m/s*



Highlights
- World's first simultaneous, whole-body molecular MR
- One fully integrated MR and PET system for simultaneous data acquisition from both modalities
- Obtain a comprehensive diagnostic picture with only one scan
- One exam- one room - one whole-body solution

Toshiba Excelart Vantage powered by Atlas

Field	*1.5 T*
Gradient	*30 or 33 mT/m*
Slewrate	*130 or 200 mT/m/ms*

Highlights
- Pianissimo gradient system
- Connectivity of up to 128 coil elements with 16 or 32 channel-readout
- Image reconstruction rate of up to 4.000 images/sec
- FBI MR angiography without contrast medium
- 55 x 55 x 205 cm scanning region

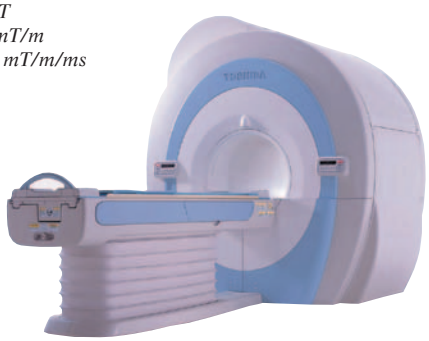
Toshiba Excelart Vantage

Field	*1.5 T*
Gradient	*30 mT/m*
Slewrate	*50 or 130 mT/m/s*

Highlights
- Pianissimo gradient system
- FBI MR angiography without contrast medium

Toshiba Excelart Vantage Titan

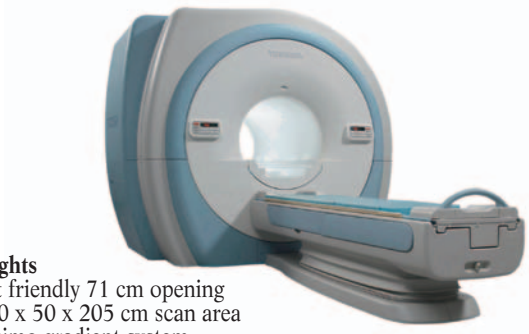
Field	*1.5 T*
Gradient	*30 mT/m*
Slewrate	*130 mT/m/ms*



Highlights
- Patient-friendly 71 cm opening with full clinical FOV of 55 x 55 x 50 cm
- Pianissimo gradient system
- Up to 128 coil elements connected to up to 32 channel-readout
- Next generation of contrast-free angiography: FBI, CIA, t-slip, TSA
- Image reconstruction rate of up to 4.000 images/sec

Toshiba Excelart Vantage Titan 3T

Field	*3 T*
Gradient	*30 mT/m*
Slewrate	*200 mT/m/ms*
RF	*128 x 32*



Highlights
- patient friendly 71 cm opening with 50 x 50 x 205 cm scan area
- Pianissimo gradient system
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA
- optical data transfer
- Image reconstruction rate of up to 4000 img/sec

Xingaoyi Ningbo (XGY) Oper - 0.35

Field	*o,35T*
Gradient	*19 mT/m*
Slewrate	*60 mT/m/ms*

Highlights
- Excellent Images, Fully performed scanning sequence, Complete function
- Low power consumption, low failure rate
- Small installation site

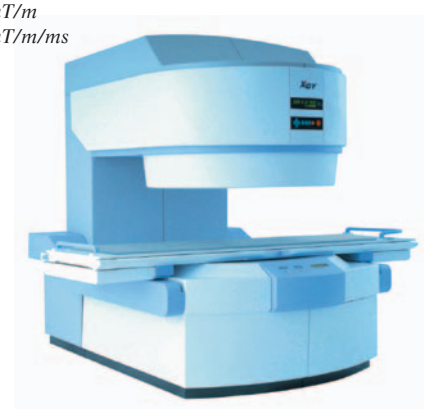
Xingaoyi Ningbo (XGY) Oper - 0.5

Field	*0,5 T*
Gradient	*24 mT/m*
Slewrate	*70 mT/m/ms*

Highlights
- The first mid-field Permanent Magnet MRI system used in clinical application in the world
- Richer performed scanning sequences, More complete function, Clearer images
- Much more patients with shorter scanning time

Xingaoyi Ningbo (XGY) Oper - 0.4

Field	*0,4 T*
Gradient	*20 mT/m*
Slewrate	*66 mT/m/ms*



Highlights
- Higher SNR & Larger Imaging range with Multi-RF Channels
- Excellent Image with fully performed scanning sequences
- Low power consumption, low failure rate, high operating ratio
- Small installation site

Xingaoyi Ningbo (XGY) Oper – 0.3

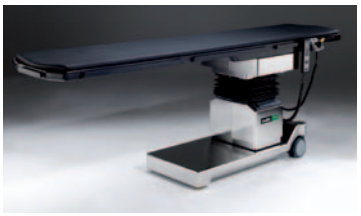
Field	*0,3 T*
Gradient	*15 mT/m*
Slewrate	*48 mT/m/ms*

Highlights
- Complete function, Excellent images, Fully performed scanning sequences
- Quick scan image is much clearer with high slew rate
- Extremely low power consumption and very low failure rate

MRI ACCESSORIES

medifa MRT5600 II – mobile imaging operating tables

Chassis	*movable*
Table top	*2340 x 500 or 600 mm*
Power	*line or battery*
Radiolucent factor	*1,0 mm/100 kv*



Highlights
- Table top as well as rails at head end and beside the lying surface are made of carbon fiber for excellent usage of c-arms.
- Height adjustment, Trendelenburg positioning, lateral tilt as well as table top sliding by hand switch or operating panel at the column
- Longitudinal as well as transversal slide of table top additionally by joystick
- All adjustments work electro-hydraulically
- Supports patients weight up to 250 kg in each position

Alliance Medical – flexible diagnostic imaging services

Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET/CT
- Interim services for bridging downtimes
- Regular „routing“ services

Hologic Sentinelle Breast MRI Coils

Highlights
- Innovative Sentinelle breast MRI coils offer unique features not available in traditional tabletop coils.
- The Sentinelle Breast MR auxiliary table provides complete and open access for intervention and award winning design for optimal patient comfort and workflow.

Hologic Aegis 4D Advanced Visualization and Interventional Computer Software

Highlights
- Sentinelle's powerful Aegis 4D (3D plus time) software aids in the guidance of biopsy procedures and gives the radiologist a new level of control to analyze and manipulate images.
- Aegis is available in both a standalone workstation and in a zero footprint Web solution.

Schiller Maglife Serenity

MRI compatible up to 3 Tesla
Mains and Battery driven (1,5 and 6 hours)
12,1" colour Display

Highlights
- Optical core and skin temperature
- Configuration for Anaesthesia, cardiac und Intensive care applications
- Patented artefact inhibition
- 6 optical Gating outputs
- Optimized for Adult children and neonates

Schiller Maglife light

MRI compatible up to 3 Tesla
Parameter: SPO2 and/or NIBP
Mains and Battery driven (1,5 hours)

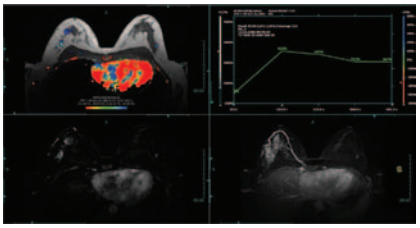
Highlights
- Optimized for day to day application
- No installation necessary
- HTML printing function
- Optimized for Adult children and neonates

Tomovation – Modular building solutions

Highlights
- Engineering, rental, sale of modular buildings MRI, CT, PET, PET/CT including or excluding diagnostic equipment

Vital Images Vitrea Enterprise Suite

Vitrea Enterprise Suite is Vital Images' premier package of advanced visualization tools, clinical applications, and data management systems.



Highlights
- Automatic insufflation of CO_2 into the colon for virtual colonoscopy examinations in CT
- Significant improvement of diagnostic results compared to manual room air insufflation
- Increase of patient comfort due to automatic adjustment of over pressure and faster resorption
- Easy setting of gas volume and pressure
- Display of gas consumption
- Four adjustable flow rates

ACIST MEDICAL SYSTEMS

COVIDIEN

MEDTRON AG

Nemoto

ulrich medical

Acist EmpowerMR

Syringe Volume	*1 – 100 ml in user-specified increments of 1 ml*
Pressure	*40 – 300 psi in user-specified increments of 1 psi*
Flow rate	*0.1 – 10 ml/sec in increments of 0.1 ml/sec*

Highlights
- 7 T tested, no minimum distance requirement from magnet
- Hydraulic technology – no motor, no battery in the MR suite
- No interference with magnetic field, no magnetic attractive force
- Double-barrel injector, floor stand mounted
- Ease-of-operation through intuitive operators interface

distributed by TOMOVATION GmbH

Acist EmpowerCTA

Syringe Volume	*1 – 200 ml in user-specified increments of 1 ml*
Pressure	*40 – 300 psi in user-specified increments of 1 psi*
Flow rate	*0.1 – 10 ml/sec in increments of 0.1 ml/sec*

Highlights
- Double-barrel injector, floor stand or ceiling mount
- Ease-of-operation through intuitive operators interface
- 10 ml/sec maximum flow rate with »change on the fly« control
- Extravasation detection (EDA) stops injecting if an extravasation is detected
- Networkable through IrisCT and CANopen interfaces

distributed by TOMOVATION GmbH

Covidien Angiomat Illumena Angiography injector

Capacity	*50, 75, 100, 125 ml high pressure prefilled; 150 ml, 200 ml empty*
Pressure limit	*75 – 1200 psi (5.17 – 82.74 bar) in angio-cardiac and peripheral modes, 75 – 300 psi (5.2 – 20.7 bar) in CT mode*
Flow rate	*0.1 – 40.0 ml/s angio-cardiac and peripheral modes; 0.1 – 10.0 ml/s CT mode*

Highlights
- Injector for angiography, cardiology and CT contrast delivery
- Digital powerhead display
- Automatically »flips« as powerhead is rotated
- Fill control bar allows easy, one finger operation
- Latex free and transparent syringes provide crystal clear view of the contrast medium
- Sensitive touchscreen display for direct and easy setup

Covidien Optivantage DH Dual Head CT injector

Capacity	*50, 75, 100, 125 ml high pressure prefilled; 200 ml empty*
Pressure limit	*50 – 325 psi (3.5 – 22.4 bar)*
Flow rate	*0.1 – 10.0 ml/s*

Highlights
- Contrast delivery injector for dual head injector protocols
- Fully programmable powerhead: color coded display
- Patency check feature: saline flush prior to injection
- Timing bolus feature: to determine ideal scan
- Auto-fill feature: automatically filling of syringes
- Drip mode: changing drip rate, volume and duration

Covidien Optistar Elite MRI injector

Capacity	*10, 15, 20, 30 ml high pressure prefilled; 60 ml empty*
Pressure limit	*20 – 150 psi (1.4 – 10.3 bar) for 60 ml syringes*
Flow rate	*0.1 – 0.8 ml/s*

Highlights
- Dual syringe injector for magnetic resonance tomography
- Battery free operation
- Single bolus and dual phase injections
- Full color touchscreen for a greater visibility
- Switch from injection to drip mode at any time
- Drop in syringe loading reduces preparation time

Medrad Avanta advanced Fluid Management System

Capacity	*150 ml Selectable pressure increasement*
Pressure limit	*300 to 1200 psi / bar*
Flowrate	*Variable 1 to 10 ml / s*

Highlights
- Contrast and saline flush cardiovascular power injector
- Precise fluid delivery, enhanced air management, fluid level sensing and gross air detection.
- Accurate injection pressure control with user adjustable pressure limits
- Bolus sharpness delivering exact variable and fixed contrast via a responsive syringe
- Color graphical user interface with on screen tutorial for simplified setup

Medrad Avidia

Capacity	*150 ml*
Pressure limit	*1200/82 psi / bar*
Flowrate	*0.1 to 50 ml / s*

Highlights
- Fully automatic microprocessor controlled contrast medium injector for angiography applications with volume, flow and time control
- Power cable free, battery operated, fully mobile on a pedestal, with interface
- Up to 20 single phase or multi phase injection programs possible
- Display of injector parameters on the injector head
- User control console with display and start button

Medtron Accutron CT-D

Capacity	*200 ml (CM),*
Delivery Pressure	*200 ml (NaCl) Easy Loading Syringe (ELS)*
	21 bar (304 psi)
Flow range	*For both injection units:*
	0.1 – 10 ml/s, programmable in steps of 0.1 ml/s

Highlights
- Absolutely 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)
- Up to 6 phases
- Secured injection position (built-in sensor)
- Alternatively, display of injection parameters or pressure graph
- Aluminium housing
- Wall or ceiling syspension system (as an option)
- CANopen Interface (as an option)

Medtron Accutron MR

Capacity	*65 ml or 200 ml (CM),*
	65 ml or 200 ml (NaCl)
Delivery Pressure	*Easy Loading Syringe (ELS)*
	21 bar (304 psi)
Flow range	*For both injection units:*
	0.1 – 10 ml/s, programmable in steps of 0.1 ml/s

Highlights
- Absolutely wireless injector unit with rechargeable batteries
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Up to 6 phases
- Secured injection position (built-in sensor)
- Use of prefilled syringes (as an option)
- Alternatively, input of flow rate or phase duration
- Pressure graph
- Aluminium housing

Medtron Accutron HP

Capacity	*200 ml*
Delivery Pressure	*Angio mode: 83 bar (1203 psi), CT mode: 21 bar (304 psi)*
Flow range	*Angio mode: 0.1 – 30 ml/s, CT mode: 0.1 – 10 ml/s*

Highlights
- Two specialists in one device: fast high-pressure injections for angiography and multiphase injection profiles for computed tomography
- Absolutely wireless injector unit with rechargeable batteries
- Integrated heated syringe holder for Easy Loading Syringe (ESL) 200ml
- Wireless Touch-Screen remote control (as an option)
- Up to 3 phases
- Wall or ceiling suspension system (as an option)
- 120 injection profiles can be defined and stored by the user (60 angio mode/60 CT mode)
- Aluminium housing

Medtron Accutron HP-D

Capacity	*200 ml (CM), 200 ml (NaCl) Easy Loading Syringe (ELS)*
Delivery Pressure	*83 bar (1203 psi)*
Flow range	*0.1 – 30 ml/s, programmable in steps of 0.1 ml/s*

Highlights
- Absolutely wireless injector unit with rechargeable batteries
- Multiphase program controlled injection of CM and NaCl
- Single or multi injection mode
- Integrated heated syringe holder for Easy Loading Syringe (ELS)
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Up to 3 phases
- Pressure graph
- Secured injection position (built-in sensor)
- 60 injection protocols can be definded and stored by the user
- Interface (as an option)
- Aluminium housing

Medtron Accutron CT

Capacity	*200 ml Easy Loading Syringe (ELS)*
Delivery Pressure	*21 bar (304 psi)*
Flow range	*0.1 – 10 ml/s, programmable in steps of 0.1 ml/s*

Highlights
- Absolutely 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)
- Up to 6 phases
- Use of prefilled syringes (as an option)
- Alternatively, input of flow rate or phase duration
- Display of injection parameter or pressure graph at the remote control
- Interface capability (as an option)
- Aluminium housing

Nemoto Dual Syringe-CT-Injektor DualShot GX V

Syringes	*A: Contrastmedia A: 200 ml, 100 ml with adapter B: Saline 100 ml*
Pressure	*A: 300 psi, B: 300 psi*
Throughput	*A: 1–100 ml/200 ml in 1-ml-steps B: 1–100 ml in 1-ml-steps*

Highlights
- Needlepositioningtest
- Progammable autofill function
- Program memory on CF memory card
- Creation of an optimized program by input of injection parameters
- Advanced Programming Functions

Nemoto Dual Syringe-CT-Injektor DualShot Alpha B200

Syringes	*A: Contrastmedia A: 200 ml, 100 ml with adapter/ 125 ml with Prefilled syringe adapter B: Saline 200 ml, 100 ml with adapter*
Pressure	*A: 300 psi, B: 300 psi*
Throughput	*A: 1–100/125/200 ml in 1-ml-steps B: 1–100/200 ml in 1-ml-steps*

Highlights
- Needlepositioningtest
- Progammable autofill function
- Program memory on CF memory card
- Advanced Programming Functions
- Timing Bolus option
- Auto prime function

Nemoto CT-Injektor A 60

Syringes	*200 ml, 100 ml with adapter*
Pressure	*300 psi*
Throughput	*0,1–10 ml/s in 0,1-ml/s-steps*

Highlights
- LCD-display
- Real time monitoring of the injection parameters
- Economical entrance model

ulrich INJECT CT motion

Media containers	*CA max. 2 x 500 ml*
	NaCl max. 1 x 1000 ml
Injection volume	*max. 400 ml/patient*
Pressure	*17 bar (246.6 psi)*
Flow rate	*0.1 – 10.0 ml/s,*
	in 0.1 ml/s increments

Highlights
- Roll pump injector for CT
- Direct and multiple injections from all commercially available media containers (Multi-dosing)
- Selectable range of pressure limits
- 5 detectors to reliably prevent air injection
- Injector display with an optimized and intuitive user interface
- Touch terminal with ergonomic screen design
- Contrast agent heater (optional)
- Tandem function for the simultaneous administration of 2 different contrast media (optional)
- Wireless-enabled administration with Bluetooth and battery
- Available as pedestal version or with 3D ceiling mount

ulrich medical CT/MRI injector mississippi (XD 2000)

Media containers	*CA max. 2 x 1000 ml (for CT),*
	CA max. 2 x 100 ml (for MRI)
	NaCl max. 1 x 2000 ml
Injection volume	*max. 400 ml/patient*
Pressure	*16 bar (232 psi)*
Flow rate	*0.2 – 8.0 ml/s,*
	in 0.1 ml/s increments

Highlights
- Roll pump injector for CT and MRI
- Several injections consecutively out of one media container (multi dosing)
- Battery operated
- Proven hygienic safety
- Different software options available

ulrich medical CT injector missouri (XD 2001)

Media containers	*CA max. 2 x 1000 ml,*
	NaCl max. 1 x 2000 ml
Injection volume	*max. 400 ml/patient*
Pressure	*16 bar (232 psi)*
Flow rate	*0.2 – 8.0 ml/s,*
	in 0.1 ml/s increments

Highlights
- Roll pump injector for CT
- Several injections consecutively out of one media container (multi dosing)
- Economic consumption of disposables
- Proven hygienic safety
- Different software options available

ulrich medical CT injector ohio tandem (XD 2002)

Media containers	*CA max. 2 x 1000 ml,*
	NaCl max. 1 x 2000 ml
Injection volume	*max. 400 ml/patient*
Pressure	*16 bar (232 psi)*
Flow rate	*0.2 – 8.0 ml/s,*
	in 0.1 ml/s increments

Highlights
- Roll pump injector for CT
- Several injections consecutively out of one media container (multi dosing)
- Tandem function for different contrast agents without previous change of media containers
- Proven hygienic safety
- Different software options available

ulrich medical CT/MRI injector ohio M with tandem function

Media containers	*CA max. 2 x 1000 ml (for CT),*
	CA max. 2 x 100 ml (for MRI)
	NaCl max. 1 x 2000 ml
Injection volume	*max. 400 ml/patient*
Pressure	*16 bar (232 psi)*
Flow rate	*0.2 – 8.0 ml/s,*
	in 0.1 ml/s increments

Highlights
- Roll pump injector for CT and MRI
- Several injections consecutively out of one media container (multi dosing)
- Battery operated
- Tandem function for different contrast agents without previous change of media containers
- Proven hygienic safety

ulrich medical MRI injector tennessee (XD 2003)

Media containers	*CA max. 2 x 1000 ml (for CT),*
	CA max. 2 x 100 ml (for MRI)
	NaCl max. 1 x 2000 ml
Injection volume	*max. 400 ml/patient*
Pressure	*16 bar (232 psi)*
Flow rate	*0.2 – 8.0 ml/s,*
	in 0.1 ml/s increments

Highlights
- Roll pump injector for MRI – accumulator free
- Several injections consecutively out of one media container (multi dosing)
- Ready for use anytime
- Smooth workflow without interruption of daily workflow
- Proven hygienic safety

EIZO

GE Healthcare

HOLOGIC
Clarity Of Vision

iae

iba Dosimetry

LANDWIND MEDICAL

medifa
made in Germany

Medtronic

PHILIPS

PTW

Radcal

RTI

SHIMADZU

SIEMENS

TECHNIX

TOSHIBA

GE Healthcare Innova 4100 IQ

Design	*Floor-mounted c-arm*
Detector	*2k a-Si*
Resolution	*2.7 lp/mm*
Size	*41 x 41 cm*

Highlights
- Large field of view
- Wide dynamic range
- Highest DQE for significant dose savings
- Advanced applications
- FP-CT techniques

GE Healthcare Innova 3100 IQ

Design	*Floor-mounted c-arm*
Detector	*1.5k a-Si*
Resolution	*2.7 lp/mm*
Size	*30 x 30 cm*

Highlights
- Optimal detector size for mixed applications
- Fast gantry with smart patient sensing system
- Highest DQE for significant dose savings
- FP-CT techniques
- Total in-room control

GE Healthcare Innova 3131 IQ

Design	*3131 IQ*
Detector	*Biplane Angio system*
Resolution	*1.5k a-Si*
Size	*2.7 lp/mm*
	31 x 31 cm frontal, 31 x 31 cm lateral

Highlights
- Optimal detector size for dedicated neuro applications
- Highest DQE for significant dose savings
- FP-CT techniques
- Powerful 3D-processing tools
- Total in-room control

GE Healthcare Innova 2100 IQ

Design	*Floor-mounted c-arm*
Detector	*1k a-Si*
Resolution	*2.7 lp/mm*
Size	*20 x 20 cm*

Highlights
- Image quality goldstandard in cardiac imaging
- Fast gantry with smart patient sensing system
- Highest DQE for significant dose savings
- Complete integration of intra-vascular-ultrasound
- Seamless data exchange for comprehensive workflow solution

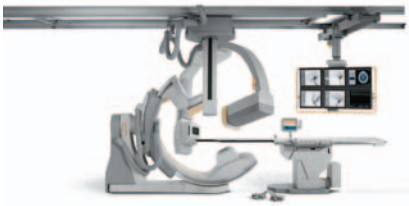
GE Healthcare Innova 2121 IQ

Design	*2121 IQ*
Detector	*Biplane Cardiac system*
Resolution	*1k a-Si*
Size	*2.7 lp/mm*
	20 x 20 cm frontal, 20 x 20 cm lateral

Highlights
- Image quality goldstandard in cardiac imaging
- Smart gantry for optimal C-arm positioning
- Highest DQE for significant dose savings
- Complete integration of Intra-Vascular-Ultrasound
- Seamless data exchange for comprehensive workflow solution

Philips Allura Xper FD 20/10

Design	*Biplane*
Detector	*a-Si*
Resolution	*0.154 mm*
Size	*38 x 30 cm*



Highlights
- Live 3D guidance with XperGuide for needle planning and guidance and Dynamic 3D Roadmap for easy navigation
- ISoft tissue information available with XperCT, controllable at tableside
- Xper Workspace integration for instant recall and viewing of all related multimodality images – from CT, MR and precious x-ray cases – at tableside during the intervention
- Flat detector with 2k digital imaging chain featuring; complete 2048 x 2048 pixel, digital imaging chain

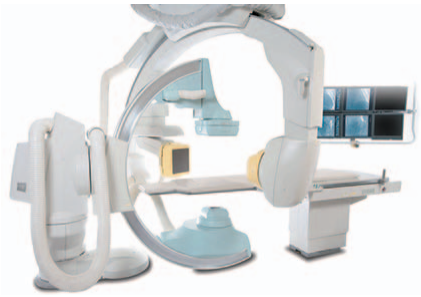
Philips Allura Xper FD 20

Design	*Ceiling-mounted*
Detector	*a-Si*
Resolution	*0.154 mm*
Size	*38 x 30 cm*

Highlights
- Live 3D needle guidance, bringing back needle guided interventions into the angio suite with XperGuide
- Complete 2048 x 2048 pixel, digital imaging chain
- Image area of 30 x 40 cm adjustable to a square image of 16 cm
- Powerful set of diagnostic tools, e.g. Bolus Chase, Rotational Scan
- Accessibility to innovations such as high-speed XperCT and 3D Roadmapping

Shimadzu BRANSIST safire HB/VB Slender

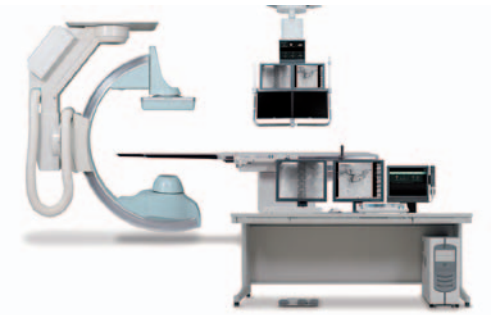
Detector	*Direct-conversion flat panel detector (a-Se)*
Resolution	*3.3 lp/mm*
Size	*9“ x 9“ (23 x 23 cm)*



Highlights
- Bi-plane Angio/Cardio system
- Flat panel detector technology for outstanding image quality
- Grid controlled X-ray tube for superior dose management
- Exclusive „Cyber Chase“ feature to keep the ROI automatically in bi-plane rotation
- Excellent coverage without moving a patient
- Motion-artefact-free by patented mask-less DSA technology

Shimadzu BRANSIST safire VC/HC

Detector	*Direct-conversion flat panel detector (a-Se)*
Resolution	*3.3 lp/mm*
Size	*9“ x 9“ (23 x 23 cm) or 17“ x 17“ (43 x 43 cm)*



Highlights
- Ceiling-mounted C-arm
- Flat panel detector technology for outstanding image quality
- Grid controlled X-ray tube for superior dose management
- High-speed C-arm up to 60°/sec. rotational DSA
- Excellent coverage without patient moving

Shimadzu BRANSIST safire VF/HF

Detector	*Direct-conversion flat panel detector (a-Se)*
Resolution	*3.3 lp/mm*
Size	*9“ x 9“ (23 x 23 cm) or 17“ x 17“ (43 x 43 cm)*

Highlights
- Floor-mounted C-arm
- Flat panel detector technology for outstanding image quality
- Grid controlled X-ray tube for superior dose management
- High-speed C-arm up to 60°/sec. rotational DSA
- Excellent coverage without patient moving
- Flexibility and reliability with triple pivots

Siemens Artis zee floor-mounted

Design	*Universal floor-mounted flat detector angiography system*
Detector	*2k a-Si with CsI scintillator*
Resolution	*1920 x 2480 pixel, 3.25 lp/mm*
Size	*30 x 40*

Highlights
- Advanced 3D imaging at low dose
- Slim-line design and flexible positioning capabilities for easy patient access with full body coverage
- New ergonomic system controls for smooth table-side operation
- Complete 3D portfolio including cross-sectional imaging with syngo DynaCT and syngo iPilot (3D Roadmapping)
- Real time needle navigation with syngo iGuide and the FD-integrated laser light

Siemens Artis zee ceiling-mounted

Design	*Universal ceiling-mounted flat detector angiography system*
Detector	*2k a-Si with CsI scintillator*
Resolution	*1920 x 2480 pixel, 3.25 lp/mm*
Size	*30 x 40*

Highlights
- Advanced 3D imaging at low dose
- Functional imaging in the Interventional Suite with syngo iFlow
- Slim-line design and flexible positioning capabilities for easy patient access with full body coverage
- New ergonomic system controls for smooth table-side operation
- Complete 3D portfolio including cross-sectional imaging with syngo DynaCT and syngo iPilot (3D Roadmapping)
- Real time needle navigation with syngo iGuide and the FD-integrated laser light

Siemens Artis zee biplane

Design	*Biplane flat detector angiography system*
Detector	*2k a-Si with CsI scintillator*
Resolution	*1920 x 2480 pixel, 3.25 lp/mm*
Size	*30 x 40 per plane*

Highlights
- Advanced 3D imaging at low dose
- Functional imaging in the Interventional Suite with syngo iFlow
- Slim-line design and flexible positioning capabilities for easy patient access with full body coverage
- Largest biplane anatomical coverage available today
- Clinical flexibility – from neurovascular to spine and abdominal imaging
- New ergonomic system controls for smooth table-side operation
- Complete 3D portfolio including cross-sectional imaging with syngo DynaCT and syngo iPilot (3D Roadmapping)
- Real time needle navigation with syngo iGuide and the FD-integrated laser light

Siemens Artis zeego

Design	*Multi-axis flat detector angiography system*
Detector	*2k a-Si with CsI scintillator*
Resolution	*1920 x 2480 pixel, 3.25 lp/mm*
Size	*30 x 40*

Highlights
- Cross-sectional imaging with Large Volume syngo DynaCT to visualize the whole liver or the whole lumbar spine
- Functional imaging in the Interventional Suite with syngo iFlow complete 3D portfolio including syngo iPilot (3D Roadmapping)
- Real time needle navigation with syngo iGuide and the FD-integrated Laser light
- Small footprint and multiple park positions
- Ideally suited for the OR environment
- Flexible working height reduces fatigue associated with long-procedures
- Pre- and post-operative high-end imaging directly in the OR

Toshiba Infinix – CFi/BP

Design	*Biplane C-Arm + Omega-Arm*
Detector	*20 x 20 cm; 30 x 30 cm*
Tube	*3 MHU , 200 mA pulsed*

Highlights
- Single User Operation
- Sequential Navigation for fast and easy throughput
- Hyper Handle for One Hand Operation
- FollowME Concept
- Full 3D capacity for Angiography
- Full range of Dose optimization techniques

Toshiba Infinix – CFi/SP

Design	*Mono C-Arm floor mounted*
Detector	*20 x 20 cm or 30 x 30 cm*
Tube	*3 MHU , 200 mA pulsed*

Highlights
- Five Axis System for maximum freedom and flexibility
- Single User Operation
- Sequential Navigation for fast and easy throughput
- Hyper Handle for One Hand Operation
- FollowME Concept
- Full 3D capacity for Angiography
- Full range of Dose optimization techniques

Toshiba Infinix – VCi/BP

Design	*Biplane C-Arm + Omega-Arm*
Detector	*30 x 40 cm; 30 x 30 cm*
Tube	*3 MHU , 200 mA pulsed*

Highlights
- Single User Operation
- Sequential Navigation for fast and easy throughput
- Hyper Handle for One Hand Operation
- FollowME Concept
- Low Contrast Imaging
- 3D rotational angiography
- Full range of Dose optimization techniques

Toshiba Infinix – VFi/SP

Design	*Mono C-Arm floor mounted*
Detector	*30 x 40 cm or 30 x 30 cm*
Tube	*3 MHU , 200 mA pulsed*

Highlights
- Single User Operation
- Five Axis System for maximum freedom and flexibility
- Sequential Navigation for fast and easy throughput
- Hyper Handle for One Hand Operation
- FollowME Concept
- Low Contrast Imaging
- 3D rotational angiography
- Full range of Dose optimization techniques

IV CARDIOVASCULAR

Toshiba Infinix – CCi

Design | *Mono C-Arm ceiling mounted*
Detector | *20 x 20 cm or 30 x 30 cm*
Tube | *3 MHU, 200 mA pulsed*

Highlights
– Single User Operation
– Sequential Navigation for fast and easy throughput
– Hyper Handle for One Hand Operation
– FollowME Concept
– Full 3D capacity for Angiography
– Full range of Dose optimization techniques

Toshiba Infinix – VCi

Design | *Mono C-Arm eiling mounted*
Detector | *30 x 40 cm*
Tube | *3 MHU , 200 mA pulsed*

Highlights
– Single User Operation
– Sequential Navigation for fast and easy throughput
– Hyper Handle for One Hand Operation
– FollowME Concept
– Low Contrast Imaging
– 3D rotational angiography
– Full range of Dose optimization techniques

IV MOBILE C-ARM

GE Healthcare OEC 9900 Elite

Power | *15 kW*
II-Format | *11, 15, 23 and 31 cm*

Highlights
– DRM (Dynamic Range Management)
– Intuitive touchscreen interface
– Comfortable viewing with flat screen monitors
– Easy archiving: CD/DVD and DICOM
– Fully motorized imaging system

GE Healthcare OEC FluoroStar 7900

Power | *2.2 kW*
II-Format | *11, 15 and 23 cm*

Highlights
– Compact monitor cart & c-arm
– Superb image quality – 1k x 1k
– Simple touchscreen interface
– Innovative connectivity solution: CD/DVD, USB and DICOM
– Available as Compact, Compact2, Compact+ and Series

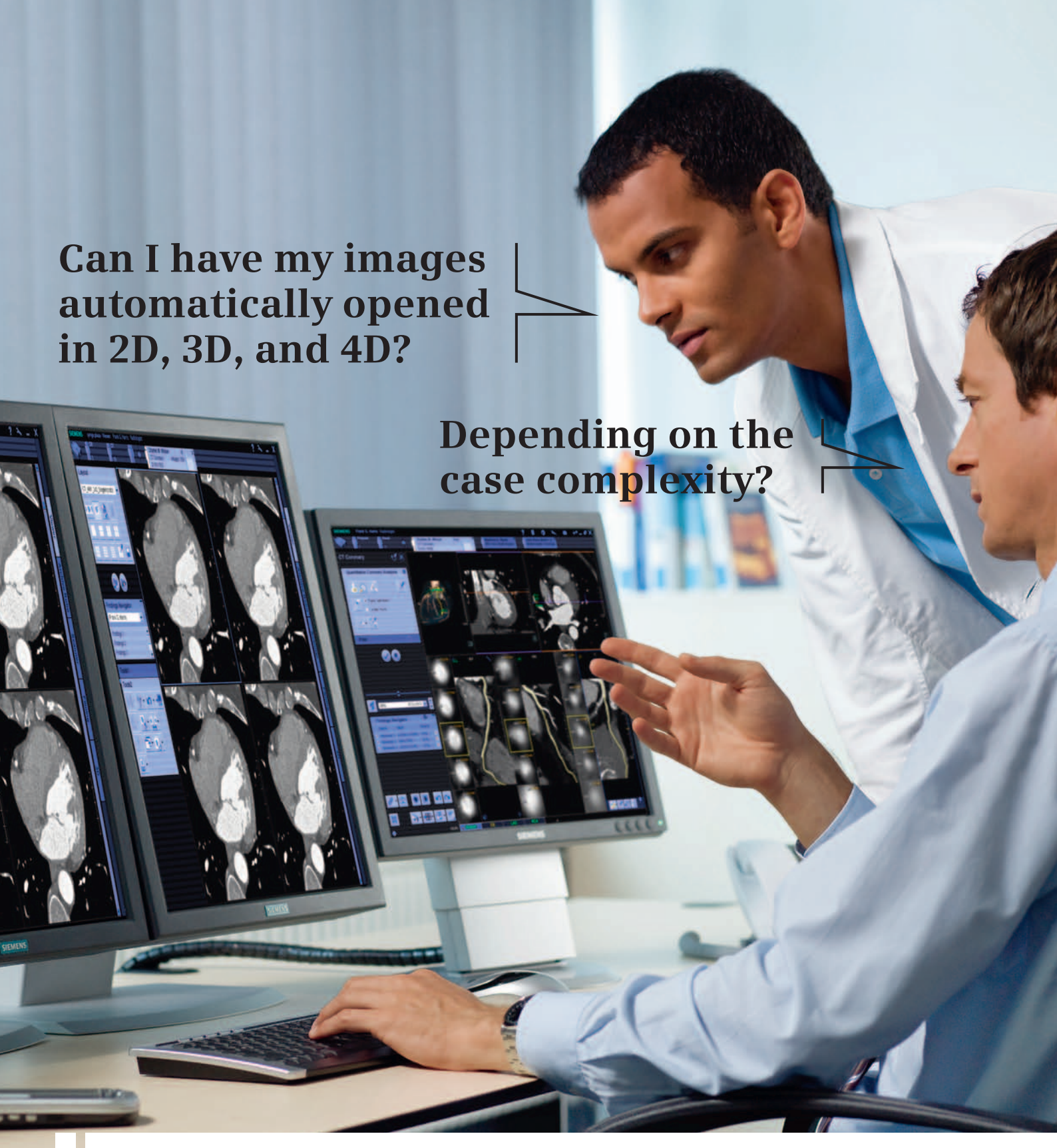
Hologic Fluoroscan InSight Mini C-arm System

Highlights
– The Fluoroscan Insight mini C-arm is designed for orthopedic surgeons to perform minimally invasive surgical procedures of the extremities, as well as low-dose, in-office imaging procedures.

Landwind LWX-C

Power | *3.5/5.0 kW*
II-Format | *9 Inch*

Highlights
– Suitable for surgery applications
– Excellent low-dose surgical imaging
– Compact and easy-to-use design
– More clear, high quality and sharp images
– Cost-effective solution



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Medtronic O-arm System

Power | *32 kW*
II-Format | *Digital flat panel detector 30 x 40 cm*

Highlights
- Flexible intraoperative 2D and 3D imaging
- Fast 13 sec 3D scan
- Large 2D image size and large 3D scan volume
- Fully mobile
- Seamless integration in OR workflow
- Easy of use: All motions motorized, simple control panel
- Position memory remembers scan positions
- Easy draping of the breakable gantry.
- Seamless integrating with StealthStation Navigation
- Full DICOM3, USB, CD/DVD interfacing

Philips Veradius

Power | *15 kW*
Field of view | *27 x 27 cm*

Highlights
- Super thin flat detector frees up valuable space
- Superb contrast thanks to high dynamic range
- Insensitive to magnetic fields
- No geometrical distortions

Philips BV Pulsera with 3D-RX

Power | *15 kW*
II-Format | *31/23/17 cm*

Highlights
- Based on the BV pulsera
- Unique combination of conventional 2D c-arm flexibility and top-quality 3D imaging in a single compact system
- 12“ image intensifier for largest 3D reconstruction, expanding clinical applications
- Motorized propeller movement of 200 degrees in only 30 seconds acquisition

Philips BV Pulsera 2

Power | *15 kW*
II-Format | *31/23/17 cm*

Highlights
- An interventional powerhouse, covering the widest range of applications, including cardiac interventions
- SmartVision – a fully digital imaging chain including powerful image processing functions
- High quality images at a low dose, time after time
- Pulsed acquisition 30 pulses/sec
- Rotating anode power

Philips BV Endura 2

Power | *3.15 kW*
II-Format | *31/23/17 cm*

Highlights
- Versatile workhorse designed for routine and vascular interventions
- SmartVision – a fully digital imaging chain including powerful image processing functions
- High quality images at a low dose, time after time
- Optimally designed mobile view station providing a unique intelligent viewing concept
- Extended rotation

Philips BV Libra

Power | *3.15 kW*
II-Format | *23/17/14 cm*

Highlights
- Most compact and lightweight mobile fluoroscopy system for routine procedures
- Cost-effective performance
- Best possible images time after time, at a low dose
- Excellent maneuverability
- Ease of operation

Shimadzu Opescope Pleno

Power | *2.0 kW*
II-Format | *16 / 23 cm*

Highlights
- Fully balanced C-arm for fast and easy positioning
- 1 Megapixel CCD camera
- Realtime DSA
- Configurable application programs and touchscreen operation
- Fully DICOM compliant

Shimadzu Opescope Activo

Power | *2.0 kW*
II-Format | *16 / 23 cm*

Highlights
- Fully balanced C-arm for fast and easy positioning
- Pulsed fluoroscopy at up to 15 frames/sec
- Configurable application programs
- Optional digital imaging processing functions
- Optional DICOM function

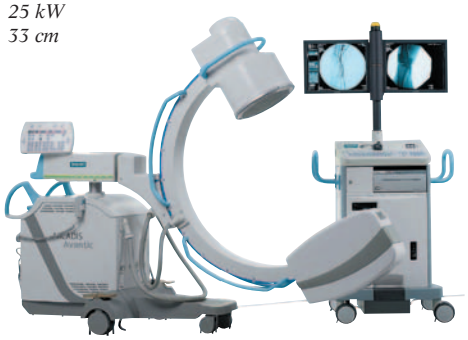
Siemens Siremobil Compact L

Power | *1.4 kW*
II-Format | *23 cm*

Highlights
- High projection flexibility of 130°
- Minimum radiation with CARE (Combined Applications to Reduce Exposure)
- MEMOSKOP CX provides a large image memory with up to 5.000 images
- Optional DICOM compatibility

Siemens Arcadis Avantic

Power | *25 kW*
II-Format | *33 cm*



Highlights
- Maximum overview through industry leading 13“ (33 cm) image intensifier
- Excellent performance due to its large power reserve of 25 kW
- Brilliant images in every situation thanks to EASY (Enhanced Acquisition System)
- Remote user interface for direct control from within the sterile field
- Full DICOM compatibility

Siemens Arcadis Orbic/Orbic 3D

Power | *2.3 kW*
II-Format | *23 cm*

Highlights
- Highly versatile intraoperative 3D imaging based on truly isocentric design
- Brilliant images in every situation thanks to EASY (Enhanced Acquisition System)
- Full DICOM compatibility
- NaviLink interface for 3D navigation

Siemens Arcadis Varic

Power | *2.3 kW*
II-Format | *23 cm*

Highlights
- Intuitive system operation
- Small footprint and lightweight design
- Continuous 1K2 digital imaging chain with up to 23 mA tube current
- Brilliant images in every situation thanks to EASY (Enhanced Acquisition System)
- Full DICOM compatibility

IV MOBILE C-ARM

Technix TCA6 S/R

Power	*3.5 kW (TCA 6 S) / 5 kW (TCA 6 R)*
II-Format	*9“*
Pulse Frequency	*up to 12/25 fps acquisition*

Highlights
- Fixed anode (TCA 6 S) / Rotating anode (TCA 6 R)
- 0.5 k² camera
- LIH + 330/2700/80,000 images storage
- Compact version without cart / Lightweight monitor cart with 18“/19“ LCD monitors
- Cost-effective solution for routine procedures

Technix TCA6 R 12“

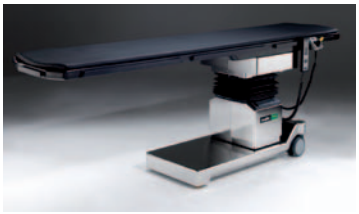
Power	*7.2 kW*
II-Format	*12“*
Pulse Frequency	*12/25 fps acquisition*

Highlights
- Anatomical programs (angiographic functions included)
- 1 k² camera
- Up to 144000 image storage
- 18“ monochromatic LCD monitors
- DICOM connectivity, USB port, CD/DVD

IV ACCESSORIES

medifa MRT5600 II – mobile imaging operating tables

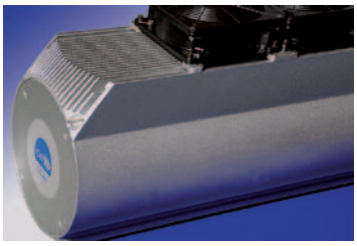
Chassis	*movable*
Table top	*2340 x 500 or 600 mm*
Power	*line or battery*
Radiolucent factor	*1,0 mm/100 kv*



Highlights
- Table top as well as rails at head end and beside the lying surface are made of carbon fiber for excellent usage of c-arms.
- Height adjustment, Trendelenburg positioning, lateral tilt as well as table top sliding by hand switch or operating panel at the column
- Longitudinal as well as transversal slide of table top additionally by joystick
- All adjustments work electro-hydraulically
- Supports patients weight up to 250 kg in each position

IAE C100 XT

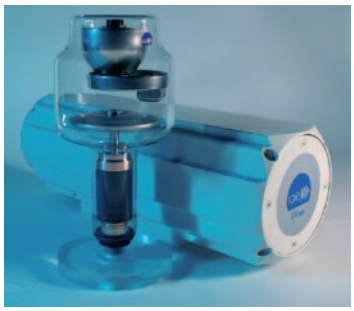
Special rotating anode X-ray tube unit, designed for digital and vascular applications.



Highlights
- Lead lined extruded aluminium body
- Outstanding thermal dissipation without external fluid circulation
- Internal pump, ensuring temperature uniformity
- Thermal switch operated fans allow silent operations at lower loads
- Comes in four configurations allowing freedom in equipment design

IAE C30 – RTM 70

Rotating anode X-ray tube unit specifically designed for mobile C-arm equipment



Highlights
- Lead lined single piece aluminium body
- Internal pump for oil circulation, to improve thermal exchange
- Choice of H.T. cable socket: Parker type Compact Taper or Claymount mini
- Optional remote water to air heat exchanger increases heat dissipation to 500 W continuous for demanding interventional applications
- Water cooling kit can be factory mounted or upgraded on field

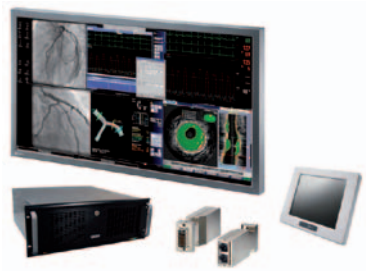
IBA Multimeter MagicMax

Simultaneous measurement of dose, dose rate, exposure time, kV, dose/pulse, pulse rate, HVL and total filtration

Highlights
- Small device with separate multifunction detector
- Connected via USB to PC or Notebook
- Intuitive use via PC interface
- Time resolution: 100 µs
- Optimized solutions for all applications

EIZO Surgical 8 MP Monitor System

Monitor	*RadiForce LS560W*
Large Monitor Manager	*LMM56800*
DVI Transmission Link	*TDL3600-QL*
Touch Console Monitor	*CID1000P*



Highlights
- Large screen area
- Flexible arrangement of source windows
- High reliability through redundant components
- Wide range of signal inputs
- Minimal picture delay
- Browser interface
- Lossless 36 meter video transmission

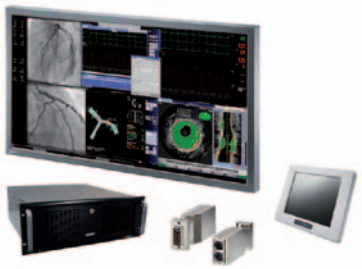
EIZO Surgical 4 MP Monitor System

Monitor	*RadiForce RX430*
Large Monitor Manager	*LMM0801-L*
Touch Console Monitor	*CID1000P*

Highlights
- Flexible arrangement of source windows
- Wide range of signal inputs
- Picture set selection thru local keyboard and mouse
- Keyboard / mouse application control
- Minimal picture delay
- Long product lifecycle

EIZO Surgical 8 MP Monitor System

Monitor	*RadiForce LS560W*
Large Monitor Manager	*LMM56800*
DVI Transmission Link	*TDL3600-QL*
Touch Console Monitor	*CID1000P*



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- Keyboard / mouse application control
- Minimal picture delay
- Long product lifecycle

PTW Diamentor C2

Dual channel dose area product (DAP) meter for patient dosimetry and quality control

Highlights
- Prized for biplane units
- Integrated printer
- Built-in test function for fast calibration and constancy checks
- Easy connection to a RIS or PACS

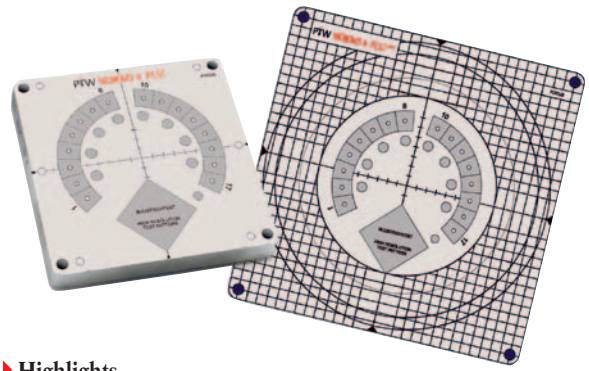
PTW Diavolt Universal Multimeter

Compact X-ray multimeter for kVp, PPV, dose and irradiation time measurements

Highlights
- Very fast 13 kHz sampling frequency for precise measurements even on units with a ripple up to 30 %!
- Independent of orientation, angle, field size and distance
- Long operating time by means of rechargeable batteries (non stop: up to 7 hours)
- Data evaluation by means of the DiaControl *expert* software

PTW NORMI 4 FLU

Test object for quality control of digital fluoroscopic X-ray units



Highlights
- Checks all imaging quality parameters (dynamic range, spatial resolution, low contrast, artefacts, radiation field, etc.)
- Convenient use at over and under couch tubes
- Patient equivalent absorber (Al or PMMA) included
- Small version for C-arms available

Radcal ACCU-PRO^{T}

X-Ray Analyzer
Simultaneous dose, rate, time, kVp. HVL, filtration, mA/mAs, and more

Highlights
- Use for manufacturing, installation, QA, and service
- R/F, mammography, CT, dental, leakage
- Ion chamber and solid state sensor dosimetry
- Correctly measure AEC fluoro and filtered beams
- Remote control, waveforms, and archiving with XLPRO Software
- Compact, easy to use

Radcal PDC-DAP/KAP verification meter

Highlights
- PDC (Patient Dose Calibrator)
- Use to calibrate DAP/KAP meters
- Measures and displays DAP/Rate and Dose/Rate
- Optical and radiographic alignment markers
- Simple to use with optional computer control

RTI Electronics Piranha

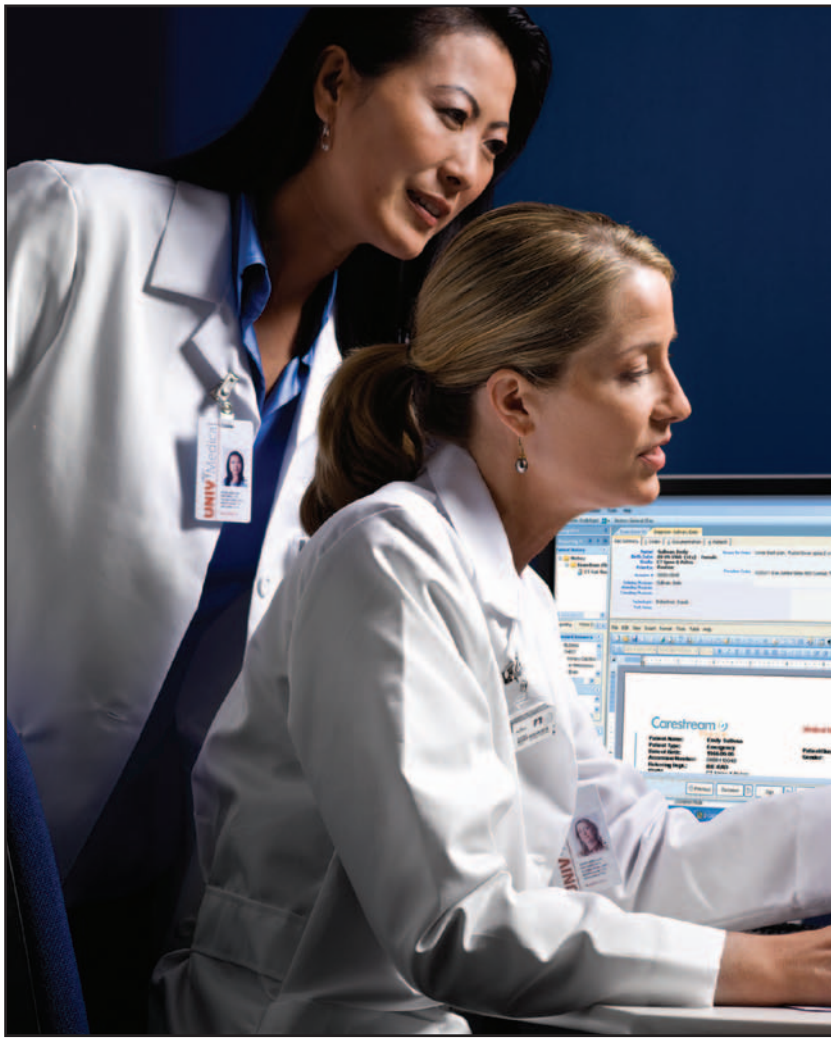
The Piranha is designed as a truly self-contained, all-in-one, X-ray multi-function meter that assures accurate results in one shot. kV, time, dose, dose rate, HVL and total filtration

Highlights
- Self-Contained, All-in-One
- Auto-Compensation
- R&F, Mammo, Dental and CT
- Quick and Simple Set-up
- Enhanced Graphical Display
- Built-In Bluetooth for PC and PDA
- mA, mAs, and Light Probes
- Fits in the Palm of Your Hand

RTI Electronics Barracuada

The Barracuda X-ray multimeter has a cabinet that can house up to six different application modules, and can measure on all modalities; R/F, mammography, flouroscopy, pulsed flouroscopy, dental, panoramic dental and CT systems

Highlights
- All in One, All at Once
- Auto-Compensation
- Enhanced Graphical PDA Display
- R&F, Mammo, Dental and CT
- Ionization Chambers
- Built-In Bluetooth for PC and PDA
- mAs, and Light Probes
- Fits in the Palm of Your Hand



Cloud-Based Services Deliver Expanded Functionality, Reduced Costs

For years healthcare providers have been expanding their investment in IT staff and infrastructure to address the exponential growth in patient and imaging data. With the worldwide economic downturn creating tighter budgets, facilities of all sizes are turning to cloud-based services for radiology and other selected clinical applications. Cloud technology delivers exceptional functionality at an affordable cost and frees up existing staff and equipment to manage other core functions.

Cloud-based services involve leading edge platforms that are managed by specialized teams in highly secure data centres. These services allow efficient Internet-based data sharing with authorised users for a monthly fee, based on the number of imaging exams produced each month. This new delivery model offers extreme elasticity, since data, users and healthcare facilities can be quickly and easily added or removed from the "cloud". Once connected to the cloud, users and facilities can invent and adopt new collaborative workflows by leveraging the powerful capabilities enabled by universal access to data.

Retaining cloud-based PACS services from an outside provider delivers these substantive benefits:

- Delivers high service levels while placing the responsibility of maintaining and managing the advanced systems to healthcare industry experts;
- Reduces the need for highly skilled, in-house IT personnel;
- Trims investment in infrastructure; and
- Eliminates the risk of systems obsolescence.

Ultimately adopting this new delivery model for IT applications can reduce total cost of ownership by up to 30 percent compared to traditional in-house systems.

Radiology Workflow in the Cloud

Cloud-based services have been deployed in many industries, but the healthcare market requires adherence to regulations that govern personal health information access, tracking and reporting as well as stringent data security and confidentiality requirements.

Nij Smellinghe Hospital Implements RIS/PACS Service

Nij Smellinghe Hospital in Drachten, The Netherlands, contracted with Carestream Health for its cloud-based RIS/PACS eHealth Managed Services. This enterprise-wide solution delivers fast, secure image access by on-site and remote clinicians. Carestream Health will assume management of approximately 632,000 studies over the term of the contract, and the hospital will avoid the need for infrastructure management and its associated costs.

Nij Smellinghe Hospital is known for its use of advanced technologies and for delivering high-quality health services to the region of South East Friesland with a population of 120,000 inhabitants. Nij Smellinghe was the first hospital in The Netherlands with enterprise-wide PACS facilities.

"Our relationship with Carestream over the years has been very positive but when our previous contract for PACS ended, we felt it was sensible to inves-

tigate what services the market was offering," said Wim Loman, IT Manager at Nij Smellinghe Hospital.

"After a thorough evaluation process, Carestream still offered the best solution, which now includes advanced reading tools such as native 3D, vessel tracking, cardiac and virtual colonoscopy," Loman said. "The new contract will allow us to concentrate on patient care while Carestream manages the PACS infrastructure on our behalf. Ultimately the cloud-based, fee-for-use service lowers our investment in equipment, technology and personnel resources."

Since patient information can be shared with authorised clinicians over an Internet connection, this service model makes it possible for radiologists to perform remote reading and obtain a second opinion from other radiologists or specialists when needed.

Contracting RIS/PACS functionality as a service also eliminates the danger of obsolescence since Carestream continuously maintains and upgrades its data centres and on-site technology. Patient data and exam information are synchronised so identical information is available to all users, regardless of location.

The company's eHealth Managed Services platform employs a vendor-neutral infrastructure powered by Carestream's advanced technologies to allow the sharing of information among disparate systems.

"Our new eHealth RIS/PACS Services deliver all the functionality of PACS, including image management, viewing, distribution and storage," said Patrick Koch, Business Director, WW eHealth Managed Services. "Most healthcare providers achieve lower overall costs by purchasing this service. They can focus their resources on patient care and simultaneously benefit from our leading edge management and security technologies."

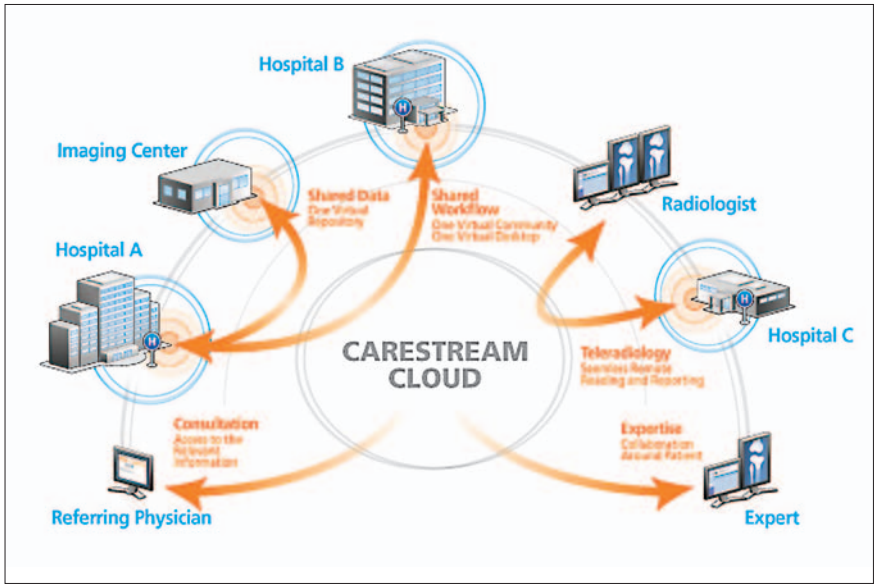
Cloud Technology Used to Read Emergency Exams From Seven Hospitals

A leading teleradiology company in France is using Carestream Health's eHealth Services to read imaging exams during nights and weekends for emergency patients from 2 hospitals at the start of their activities, to seven different hospitals now. More hospitals are expected to connect to the cloud to access remote reading support in the coming months. Carestream's Health cloud-based technology ensures efficient and secure data exchange from the hospitals to the teleradiology company's reading centre. Radiologists read the cases using a fully featured CARESTREAM PACS workstation. Having radiologists available after-hours enhances patient care, since experienced radiologists are not readily available at French public hospitals during night and weekend hours.

Select Radiology Service Providers Carefully

There are very few companies that can marry expertise in healthcare environments with robust cloud-based services – so healthcare providers need to choose wisely. The service needs to allow sharing of patient information as well as prior and current imaging studies. Radiologists at any location need access to specialized reading tools, and the service must support delivery of reports to existing RIS and EMR/EMR systems. A vendor-neutral architecture that allows communication with disparate systems and support for IHE and other industry standards is also essential.

When it comes time to consider replacing RIS/PACS and other clinical systems, it's wise to consider cloud-based options.



All image data generated in the municipal hospitals Nuremberg North and Nuremberg South and in three hospitals in the nearby towns of Altdorf, Hersbruck and Lauf are transmitted to Telepaxx for long-term archiving.

A Tender Point

The 2500-bed Nuremberg Hospital, Germany, is one of the largest municipal hospitals in Europe. Faced with rapidly growing imaging data volumes, management decided to outsource long-term archiving of all images created in the radiology and cardiology departments to an external manufacturer-independent service provider. As part of a tender procedure for a PACS, long-term archiving services were requested and awarded in a separate lot.

Back in 2000, the radiology department of Nuremberg Hospital started archiving digital images. In the beginning the data were stored by modality and within five years a complex storage area network (SAN) had developed. When a hospital-wide PACS was procured which was to cover the sites Nuremberg North, Nuremberg South as well as three other municipal hospitals in nearby towns, offers for longterm archiving services were invited in a separate lot.

"We perform 250,000 examinations per year and create an image data volume of 25 GB every day. We understood pretty quickly that long-term archiving is a crucial issue", says roland Simmler, medical physicist. Since patient data are highly sensitive, they are subject to very demanding privacy requirements. Consequently, the handling of sensitive data is a major selection criterion for any long-term archiving solution. As roland Simmler went about to design the tender procedure, he set his priorities: above all, he wanted to know the costs for the individual solution after five and after ten years and the costs for hardware and maintenance.

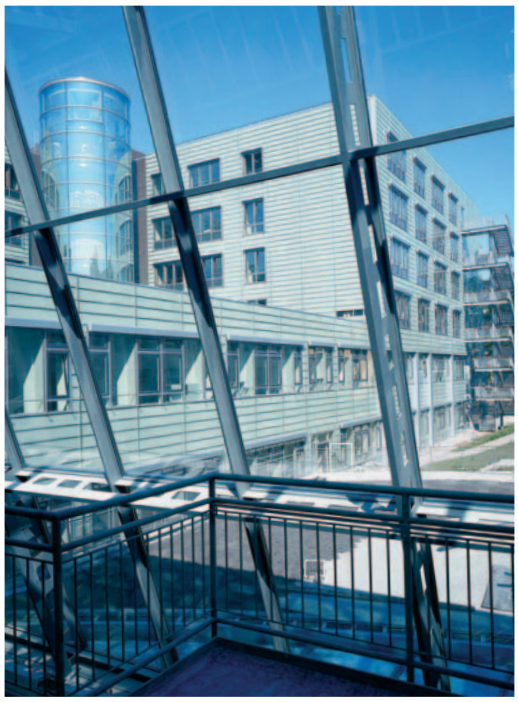
Lowest costs per terabyte

Under his guidance a 15-person task force meticulously analysed the offers. In order to avoid "gut feeling" decisions a wide array of parameters was assessed and graded on a five-point scale. "In the end we had arrived at the exact costs for archiving one terabyte of data over

ten years and Telepaxx was clearly the least expensive service", explains Roland Simmler.

Most of the other bidders had suggested hard drive-based solutions or juke box systems with DVD or tape archives. Simmler's task force had left it up to the bidders to act as sellers and quote a purchase price for a solution or to offer a service. Still, Telepaxx was unbeatable. The company based in the small town of Büchenbach near Nuremberg is proud of its unique cooperative approach: Telepaxx solves problems which otherwise every IT team in every hospital would have to solve for itself – reinventing the wheel over and over again. A safe and costefficient archiving concept can run up to 30 years.

Professor Dr. Dr. Reinhard Loose, director of diagnostic and interventional radiology at Nuremberg Hospital North, has never regretted the decision for an external service provider: "Archiving patient images in compliance with the German x-ray ordinance is not the core business of a radiology department. It is a task I gladly hand over to a specialized computer center which fulfils all statutory requirements." Frequently the real serious archiving problems begin whenever a manufacturer decides to discontinue support of a hardware component.



The data volumes generated by modern imaging systems are rapidly increasing. Providing appropriately sized long-term archiving space is no longer an issue at Nuremberg Hospital.

www.telepaxx.com

AGFA HealthCare
FUJIFILM
GE Healthcare
HOLOGIC® Clarity Of Vision
iae
iba Dosimetry
KONICA MINOLTA
medigration The Digital Company
PHILIPS
Planmed
PTW
SECTRA
SIEMENS

FUJIFILM Amulet

Technology *Direct Optical Switching, a-Se*
Resolution *50 µm*
Size *4728 x 5928 pixel by (24 cm x 30 cm)*
3540 x 4740 pixel by (18 cm x 24 cm)

Highlights
– 50 micron pixel
– High DQE and high MTF
– Direct Optical Switching technology
– Excellent women friendly ergonomic design
– Auto Positioning
– Biopsy optional available

GE Healthcare Senographe Essential

Technology *a-Silizium*
Resolution *100 µm*
Size *24 x 31 cm*

Highlights
– High patient throughput
– Dual track tube Mo/Rh
– Automatic Optimization of Parameters (AOP)
– Ergonomic paddles that shape to the breast
– Stereo-Option available
– SenoBright - option available
– Tomosinthesys upgrade - when it will be available

GE Healthcare Senographe DS

Technology *a-Silizium*
Resolution *100 µm*
Size *19 x 23 cm*

Highlights
– High patient throughput
– Dual track tube Mo/Rh
– Automatic Optimization of Parameters (AOP)
– Ergonomic paddles that shape to the breast
– Stereo-Option available
– SenoBright - option available

GE Healthcare SenoCare

Technology *a-silizium*
Resolution *100 micron*
Size *24 x 31 cm*

Highlights
– Combination of iodinated contrast medium and digital mammography with a-Silizium detector
– Reliable, affordable system
– Optimized image quality and dose efficiency
– Super IQ for dense breast
– Dual track tube Mo/Rh
– Stereo - option available

GE Healthcare Performa

Anode *Mo*
Filter *Mo/Rh*
kV Range *20 – 35*

Highlights
– Bi-directional compression ECS
– Enhanced patient comfort
– Increased amount of breast tissue images
– VectorPoint-AEC for optimized image quality
– Compact, small system

GE Healthcare GE SenoBright

Technology *Contrast Enhanced Spectral Mammography Combination of iodinated contrast medium and digital mammography with a-Silizium detector*

Highlights
– Detect angiogenesis
– Improved sensibility, specificity and negative predictive value (NPV°)
– New diagnostic strategy for unconclusive mammography, for tumor staging
– Easy communication with surgeons

Corporate Presentatation

The Use of Breast Tomosynthesis in Clinical Practice

Dr. Eric Escolano
Radiologist in private practice, Grenoble, France

Prof. Giovanni Gandini
Radiology Professor and director of the diagnosis department for images at the University Hospital San Giovanni Battista, Torino, Italy

Dr. Pierre Gignier
Radiologist with a special interest in senology, Hôpital Privé of Antony, France

Dr. Pietro Panizza
Chairman of the Italian Society of Radiology, and Radiologist, San Raffaele Hôpital, Milano, Italy

Prof. Pattrice Taourel
University Professor, Radiologist and department head, Hôpital Lapeyronie, Montpellier, France

Dr. Christophe Tourasse
Head of the breast imaging center, Hôpital Privé Jean Mermoz, Lyon, France

Dozens of papers, scientific and poster sessions on breast tomosynthesis were offered at the 2010 Radiological Society of North America annual meeting. Interest was unusually high since Hologic, the women's health company, received a Food and Drug Administration (FDA) "Approvable Letter" for a 3D digital mammography tomosynthesis system just before the meeting. Commercial Hologic systems are already installed in Europe, the Middle East, South America, Canada and Mexico and parts of Asia but the biggest opportunity for the new technology is the United States where recall rates for breast cancer screening exams run from 10 to 15 percent. On 11 February 2011 Hologic received full FDA approval on its 3D digital mammography breast tomosynthesis system, joining a large part of the global community.

S. G. Collins, a video film producer based in Amsterdam, videotaped the comments of dozens of luminaries in Europe, and North and South America for a documentary on tomosynthes that premiered at RSNA. Below are quoted excerpts from the documentary.

What does breast tomosynthesis do that mammography doesn't?

Prof. Gandini: The main problem with digital mammography is the same as analog mammography: the overlapping of radiopaque images – therefore false images, images that we call overlapping. Tomosynthesis should avoid these 'summation' images, because it breaks up the image.

Dr. Tourasse: Tomosynthesis gives us more confidence in our readings, which leads to a lower recall rate. In most cases, cancer not seen on 2D can be identified on a second reading with tomosynthesis.

Dr. Gignier: Tomosynthesis enables us to eliminate a false image made by tissue overlap. We have found cancers with our 3D tomosynthesis images that were not visible with our 2D images.

The other big benefit of tomosynthesis is the improvement of the workflow of patients, since we don't do localized compression views any more, since thanks to the tomosynthesis, all [tissue] overlays are removed.

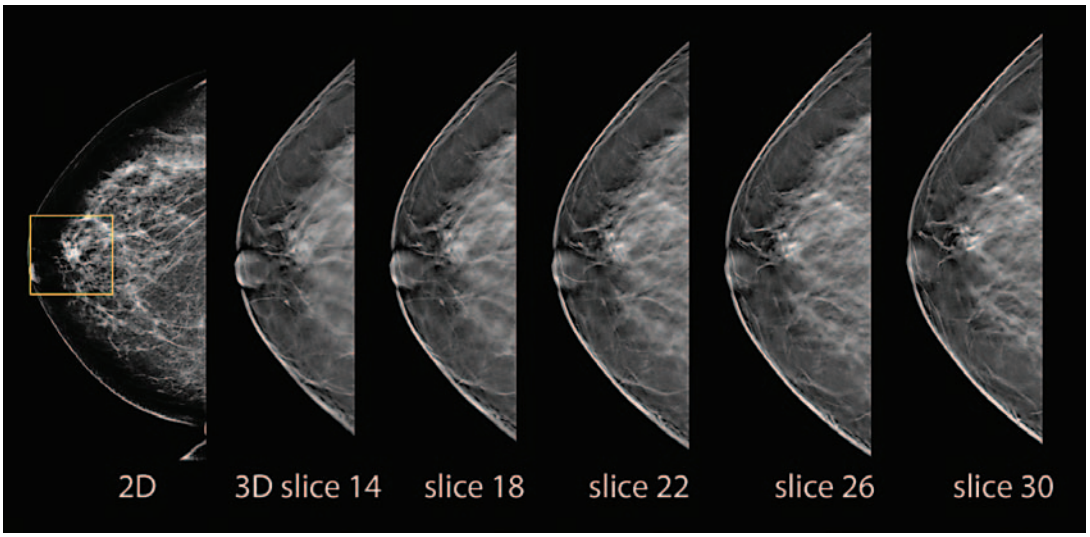
Dr. Panizza: The first time I saw tomosynthesis, I imagined the possibility of reducing [the number of] ultrasound [exams]. That is nowadays my main problem, because there are few radiologists and non-radiologists who are able to do high quality ultrasound exams. Ultrasound is an expensive test, which is not so easy to use in the screening phase. Therefore the possibility of having greater sensitivity than mammography thanks to tomosynthesis can reduce the number of ultrasounds and therefore costs.

Prof. Gandini: What I can say for sure is that tomosynthesis increases the confidence in the radiologist when it comes to diagnosing a malignant tumor. Because two characteristics that are typical of breast cancer are better demonstrated. And those are the calcifications, and the spiculation margins. Spiculations are more visible with tomosynthesis than with 2D mammography.

Dr. Gignier: We installed a Hologic Selenia Dimensions breast tomosynthesis system a year ago. We must have performed some 5,000 exams on that machine. Tomosynthesis allows us to better localize the lesion's position in the breast, especially in the density of the breast.

Have you found cancers with tomosynthesis you might have missed with 2D?

Prof. Taourel: We have had significant experience in tomosynthesis; we must have made some 3,000-4,000 exams



In the 2D image on the left, there is a potential lesion in the subareolar region of the breast. In the tomosynthesis images on the right, it is easy to see that there is no lesion present. One can pick out individual structures on the separate slices, which summate to form the potential lesion seen on the two-dimensional projection image.

in the 18 months that we've been using it. We are deeply convinced that our patients benefit from the tomosynthesis.

We have detected additional cancers... It's true that it doesn't happen every day, not even every week, but... every team using [tomosynthesis], and ours in particular, finds some additional cancers that wouldn't have been seen in mammography, since there was no trace of them, or they wouldn't have been seen in mammography because they weren't pertinent enough – and even if there were some signs, they were too subtle, so they have been missed.

So there are cancers we detected – we could see better [with tomosynthesis]. We could see contralateral cancers, we could see multicentric ones.

Does tomosynthesis take more time than a conventional mammogram?

Dr. Escolano: The time needed for reading one tomosynthesis is comparable to a doctor having to read one or two additional images [views]. But you have to counterbalance this doctor's time with the fact that before, he or she would also have to read additional images. And the patient needed to go back to the mammography room, we had to wait for the results of this additional image. So generally speaking, even though there is some additional time required for a single tomosynthesis reading, on the whole we are gaining doctors' time per patient.

> **"We are deeply convinced that our patients benefit from the tomosynthesis."**

Prof. Gandini: If tomosynthesis allowed me to reduce the number of ultrasound tests – and an ultrasound test takes about 20 minutes – I should compare the time that I save, those 20 minutes, with the minute that I need to read the tomosynthesis images. This would certainly be a lot of time saved for the doctor.

What patient would benefit the most from breast tomosynthesis?

Prof. Gandini: The patient for whom tomosynthesis is useful is a woman with a dense breast, in about 40 to 50 percent of the total; in women who have had surgery for breast cancer; and in those cases where you have asymmetries in the fibrous glandular between the two sides. These are the patients for whom tomosynthesis can be crucial.

Dr. Taourel: In the beginning we believed that tomosynthesis would be most effective in dense breasts. In fact that's not really the case. If the breasts are really dense, think of plaster: you cut a lump of plaster, you get slices of plaster, and you still can't do any diagnostics.

To be able to do a diagnosis, there must be some interface between the lesion and the fat tissue, and this is how you can make your diagnosis.

So, in my opinion, its best use is not in particularly dense breasts or low density breasts. In the dense breasts it will miss fewer cancers – although it still will... In low density breasts we won't miss any, but also, it's going to be most effective in what I call "disharmonious breasts" – breasts where the longitudinal features are not well organized, where in mammography we see pseudo distortions everywhere. In tomosynthesis we're really able to say "no, this is just a tissue overlap." Or sometimes, we will be able to see something amidst the fat tissue that was not seen otherwise, because in tomosynthesis we can clearly see distortions. Even if the tumor is not dense, it distorts, it pulls the sides, and that's how we can recognize it.

The comments included in this article are the opinions and personal stories of the individuals quoted and not necessarily those of Hologic.

Hologic Selenia Dimensions 2D/3D Mammography System*

Highlights
- In Hologic clinical studies, 2D plus 3D mammography compared to 2D mammography alone demonstrated superior clinical performance in specificity, the confidence to rule out breast cancer without recalling the patient for further study, and sensitivity, the proportion of mammograms with cancer which were correctly diagnosed.
- A 2D/3D scan is done under the same compression, takes only seconds longer than a 2D mammogram and has a total exam dose within U.S. Food and Drug Administration guidelines.

* Selenia Dimensions 2D/3D systems are available commercially in more than 40 countries. The system is available as a 32D only system in the U.S. awaiting FDA approval of the 3D option.

Hologic Selenia Dimensions 2D Digital Mammography*

Highlights
- Selenia Dimensions 2D mammography offers superb image quality with reduced patient dose and high throughput without compromising patient care.
- Dimensions 3D software is a purchasable option on existing Selenia Dimensions 2D systems. Enabling the 3D capability on a Dimensions 2D system involves a software key and adjusting a PC-board setting. There is no need for new hardware.

* Selenia Dimensions 2D/3D systems are available commercially in more than 40 countries. The system is available as a 2D only system in the U.S. awaiting FDA approval for the 3D option.

Hologic MammoSite ML (Multi-lumen) Targeted Radiation Therapy

Highlights
- The MammoSite ML 5-day targeted breast radiation therapy system is an option for many women diagnosed with early-stage breast cancer.
- MammoSite therapy enables the radiologist to use a higher daily dose for a shorter period of time, typically 5 days versus 5 to 7 weeks for conventional breast radiation therapy.

Hologic MultiCare Platinum & StereoLoc II Stereotactic Biopsy

Highlights
- The MultiCare Platinum prone and StereoLoc II upright stereotactic breast biopsy guidance systems provide exceptional image quality and pinpoint accuracy in tissue targeting with improved patient comfort.
- Hologic breast biopsy guidance systems offer faster, safer, less invasive options for women than open surgery.

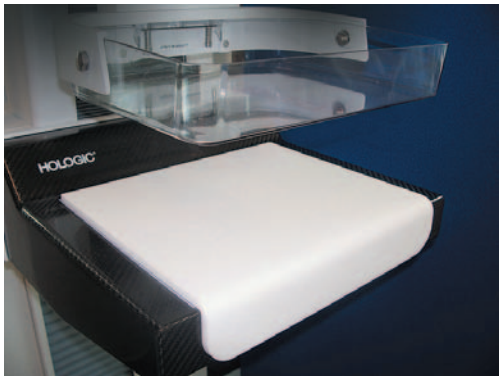
Hologic SecurView Diagnostic Workstations

Highlights
- SecurView diagnostic workstations facilitate review of digital images from mammograms and can be configured to review breast images from other modalities.
- The SecurView workstation is one of the most popular breast imaging workstations on the market today.

Hologic Minimally Invasive Breast Biopsy Devices

Highlights
- Hologic's flagship stereotactic biopsy device, ATEC, is a fast, safe and simple and compassionate vacuum-assisted breast biopsy solution.
- Celero is the first vacuum-assisted, spring loaded core biopsy device designed for use under ultrasound-guidance.
- Hologic's newest vacuum-assisted breast biopsy device, Eviva, is a fully integrated stereotactic biopsy solution.

Hologic MammoPad Radiolucent Breast Cushion



Highlights
- MammoPad is a soft, warm breast cushion used to provide patients a more comfortable mammography exam.
- MammoPad is compatible with all digital and analog mammography systems.

Konica Minolta Regius Pureview M

Anode	*Mo*
Filter	*Mo/Rh*
kV Range	*20 – 35*

Highlights
- Revolutionary new x-ray mammography system based on phase contrast technology
- Sharpness and spatial resolution highly improved by the use of phase contrast technology
- Reading at 43.75 µm thus equivalent to resolution of around 70 million pixels
- Flex AEC 48 independent detectors

medigration MammoView

Highlights
- Extremely easy to use and manage
- Access to all images (including previous images) in seconds
- Direct findings in the image
- Hanging protocols can be configured individually to automate your routine procedures
- Outstanding image quality (2048 greyscale)
- Excellent price/performance ratio

Philips MammoDiagnost DR

Technology	*Amorphous Selenium*
Resolution	*85 µm*
Size	*24 x 30 cm*

Highlights
- Comfortable and efficient workflow thanks to the intuitive Eleva User Interface and ergonomic design award winning system
- Excellent, UNIQUE-processed images to help with diagnosis
- Smooth procedures make your patients feel at ease

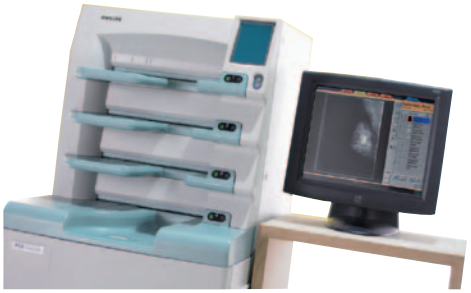
Philips MammoDiagnost

Anode	*Mo/W (Dual Track)*
Filter	*Mo/Rh*
kV Range	*23 – 35*

Highlights
- Efficient workflow for screening, diagnosis and interventions
- Perfect image quality to help with a diagnosis
- Smooth procedures make your patients feel at ease

Philips PCR Eleva CosimaX

Technology	*Dual-side reading*
Resolution	*18 x 24 cm / 24 x 30 cm HR-BD cassette/plate*
Size	*up to 50 İm pixel size*



Highlights
- Cost-efficient path to go digital
- Intuitive workflow with the Eleva User Interface
- Excellent image quality with UNIQUE image processing
- Multi-slot reader with up to 80 plates per hour
- Multi-purpose reader for mammography and other applications such as pediatrics and extremities

Planmed Nuance Excel

Anode	*Mo or W (optional)*
Filter	*Mo/Rh or Rh/Ag (optional)*
kV Range	*20 – 35*

Highlights
- Low dose FFDM Unit with 23,9 x 30,5 cm a-Se detector and fully automatic Flex-AEC with tissue type recognition
- Acquisition Workstation (AWS) with 3 megapixel TFT monitor and optional Nuance Acquire Station with motorized height adjustment
- Integrated MaxView Breast Positioning System
- Side Access for optimal patient positioning and ergonomics
- Optional geometric magnification kit
- Optional stereotactics with Nuance DigiGuide

Planmed Nuance

Anode	*Mo or W (optional)*
Filter	*Mo/Rh or Rh/Ag (optional)*
kV Range	*20 – 35*

Highlights
- FFDM Unit with 17.1 x 23.9 cm a-Se detector and fully automatic Flex-AEC with tissue type recognition
- Acquisition Workstation (AWS) with 3 megapixel TFT monitor and optional Nuance Acquire Station with motorized height adjustment
- Integrated MaxView Breast Positioning System
- Side Access for optimal patient positioning and ergonomics
- Optional geometric magnification kit
- Optional stereotactics with Nuance DigiGuide

Planmed Nuance Classic

Anode	*Mo*
Filter	*Mo/Rh*
kV Range	*20 – 35*

Highlights
- High-end analog mammography unit with Flex-AEC
- Field upgradeable to Full Field Digital Mammography
- Side Access Patient Positioning
- Optional MaxView Breast Positioning System
- stereotactics system available as an add-on
- CR interface available

Planmed Sophie Classic

Anode	*Mo*
Filter	*Mo/Rh*
kV Range	*20 – 35*

Highlights
- Versatile mid-tier film unit with multiple options
- Optional Flex-AEC with tissue type recognition
- Optional MaxView or Twin-Comp compression systems
- Optional magnification and stereotactics
- Optional CR interface

Planmed Sophie Classic S

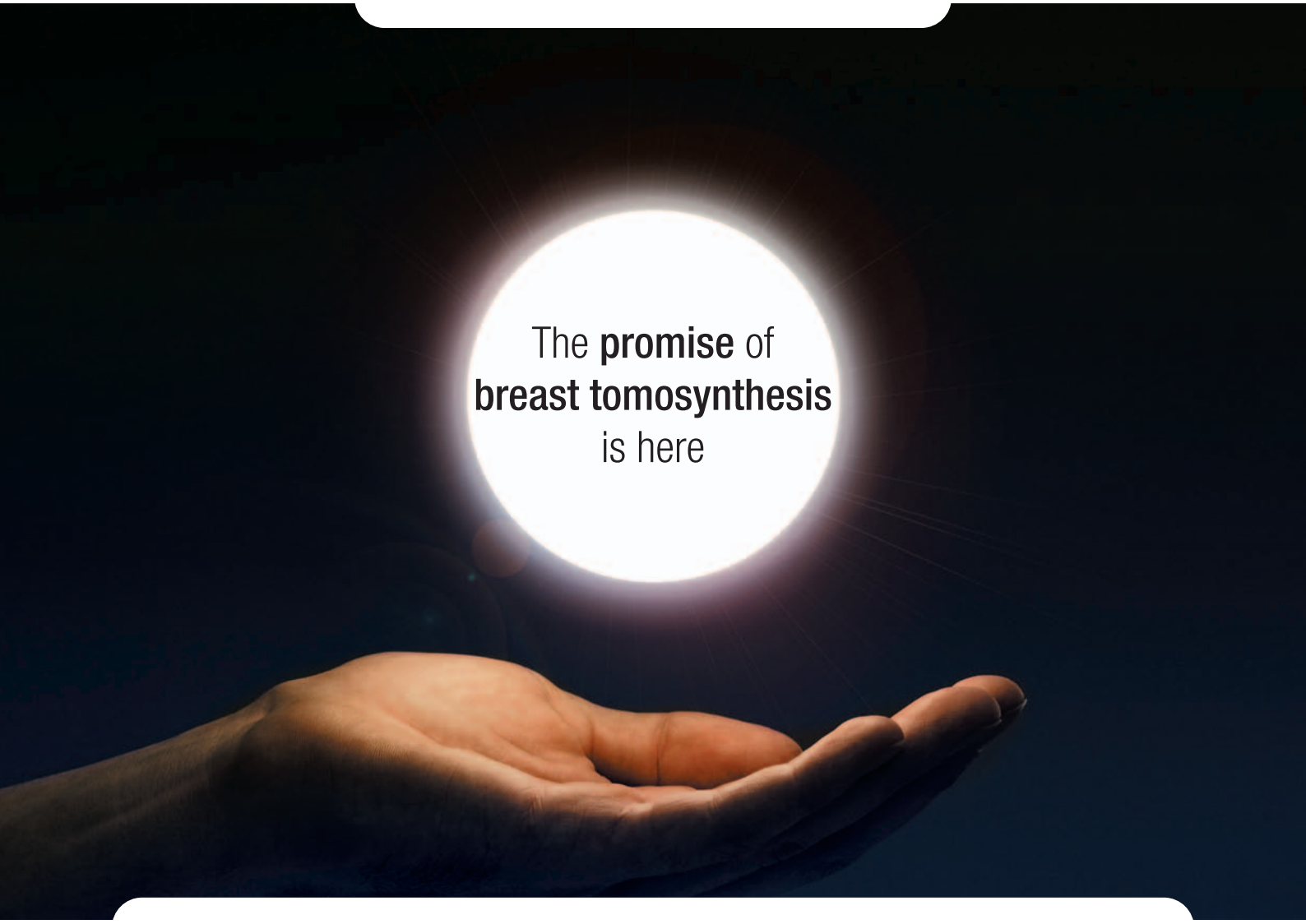
Anode	*Mo*
Filter	*Mo/Rh*
kV Range	*20 – 35*

Highlights
- Entry-level film unit
- Optional magnification
- Optional stereotactics
- Optional CR interface

Sectra MicroDose Mammography

Technology	*Photon-counting*
Resolution	*50 µm, 14 bit*
Size	*24 x 26 cm*

Highlights
- Unique photon counting detector
- 50% dose reduction compared with other FFDM systems
- Highest image quality
- Superior workflow and ergonomic design enabling unsurpassed throughput
- Complete screening solution with Sectra Breast Imaging PACS



The Hologic Selenia® Dimensions® system is the first practical tool to deliver on the extraordinary promise of breast tomosynthesis. The Selenia Dimensions system offers:

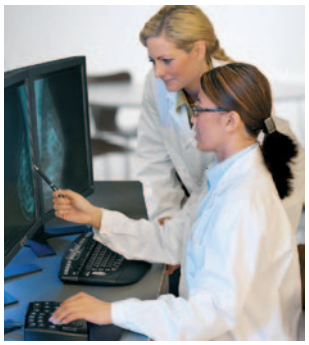
- 2D imaging or combo mode (2D+3D) imaging in the same compression
- Exceptionally sharp images with minimal dose
- Unparalleled flexibility for any breast imaging need
- Streamlined workflow
- Ergonomic design for comfort and ease of operation

Learn more call +32.27.11.46.95
e-mail womensimaging@hologic.com
visit www.hologic.com

HOLOGIC®
The Women's Health Company

Sectra mammography workstation

Technology	*Photon-counting*
Resolution	*50 µm, 14 bit*
Size	*24 x 26 cm*



Highlights
- A multimodality workstation with dedicated software tools to meet the special workflow and throughput requirements of mammography
- Fast image display
- Dedicated keypad
- Automatic display protocols

Siemens Mammomat Inspiration

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

Highlights
- Screening, upgradable to stereotactic biopsy and 3D imaging with tomosynthesis
- Dual target anode W/Rh reduces dose up to 50% especially for dense breasts
- Comprehensive system solution with syngo-based acquisition workstation
- Streamlined workflow: One-click-to-image
- Special MoodLight function
- Broad range of accessories

Siemens Mammomat 3000 Nova

Anode	*Mo/W*
Filter	*Mo/Rh*
kV Range	*23 – 35*

Highlights
- Pivoting buckys, easy switching between 18 x 24 and 24 x 30
- Prepared for stereo biopsy
- Opdose auto-selects best anode/filter combination (Mo/Mo, Mo/Rh, W/Rh)
- Opcomp – Siemens' exclusive optimized compression system
- Optional digital spot imaging with syngo Opdima

Siemens Mammomat Inspiration with 3D Tomosynthesis*

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

Highlights
- Platform for multiple mammography applications: Screening, diagnostics, stereotactic biopsy and tomosynthesis in one system and one acquisition workstation
- 3D imaging via the acquisition of breast images taken at multiple angles (+25° to –25°): Improved capability to diagnose especially very dense breasts
- The only installed system which offers all applications and can be upgraded to 3D tomosynthesis
- The largest angular range in industry increases depth resolution and contrast

*not available in the USA

Siemens Mammomat 1000

Anode	*Mo*
Filter	*Mo/Rh*
kV Range	*23 – 35*

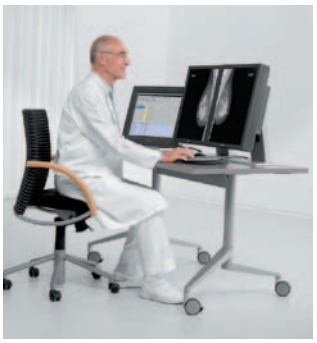
Highlights
- Cost-efficient system, ideally suited for screening
- Opcomp – Siemens' exclusive optimized compression system
- Soft speed – two speed compression

Siemens Acuson S2000 Automated Breast Volume Scanner*

Technology	*Ultrasound*
Size	*15.4 cm x 16.8 cm Transducer*

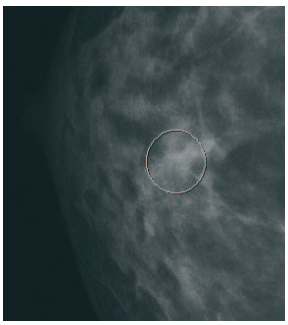
Highlights
- Acquisition of full-field volumes of the breast automatically, quickly and comfortably
- Reporting on ABVS Workplace - Intuitive volume image analysis and manipulation, comprehensive BI-Rads reporting
- Ideally suited to image patients with dense breast tissue and/or a history of breast disease
- Patient friendly - minimal compression
- No radiation

Siemens syngo MammoReport



Highlights
- First real multi-modality solution for breast care
- Offers 2D and 3D reading and it unites mammography, tomosynthesis, 2D and 3D ultrasound, and breast MRI in one
- Connection with third-partyimaging and IT systems, including multiple RIS at a time
- Customization to personal workflow and image arrangement, controllable with a single key
- Advanced display layouts for different demands
- DICOM and IHE workflow compliance

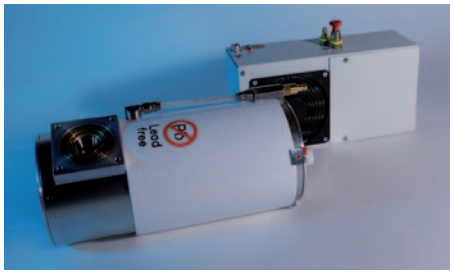
Agfa HealthCare iCAD SecondLook Digital



Highlights
- SecondLook Digital is a second opinion tool for Agfa HealthCare's CR Mammography
- Adds value in daily routine
- Can be used in mammography screening as well as by diagnostic HealthCare providers
- Markers that indicate potential microcalcifications and/or masses are visible on Agfa HealthCare's IMPAX Breast Imaging Workstation

IAE C340

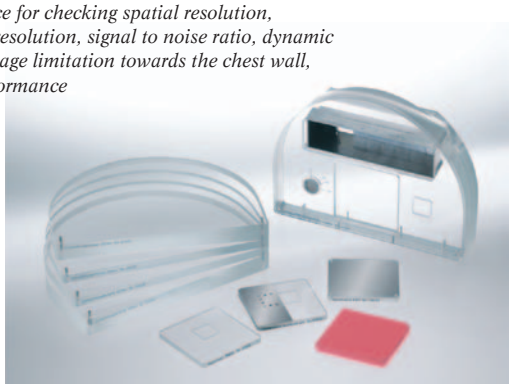
Water cooled mammography tube unit, for beam scanning mammography equipments and high patients throughput screening applications.



Highlights
- Brass body lead free X-ray shielding
- Internal pump for oil circulation improves oil to casing thermal exchange
- Water cooledjacket avoids remote oil circulation
- Compact lightweight structure
- 800 W continuous dissipation for high energy techniques and high patients throughput

IBA Dosimetry Pasmam

Test device for checking spatial resolution, contrast resolution, signal to noise ratio, dynamic range, image limitation towards the chest wall, AEC performance



Highlights
- Modular construction
- Different test inserts
- Basic plate with Al step wedge
- Structural plate with turnable spatial resolution test
- Additional attenuation plates

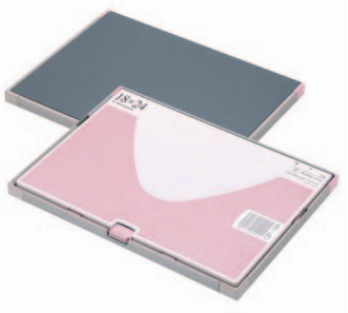
IBA MagicMaX mam Multimeter

Measures dose, dose rate, exposure time, kV, dose/pulse, pulse rate, HVL, total filtration, mA and mAs

Highlights
- Small device with separate super small footprint multifunction detector
- Connected via USB to PC or Notebook
- Intuitive use via PC inteface
- Time resolution: 100 µs
- For Mo/Mo, Mo/Rh, Rh/Rh, W/Rh and W/Ag

Konica Minolta CP-1M

Technology	*CsBr phosphor*
Resolution	*43.75 µm*
Size	*18 x 24 cm / 24 x 30 cm*



Highlights
- Crystal column technology
- Superior DQE
- Superb sharpness, granularity and stability
- Excellent image quality with reduced exposure dose
- Compatible with Regius110HQ, Regius190 or Regius210

PTW Normi PAS

Modular test object for quality control of digital mammography X-ray units

Highlights
- Checks all imaging quality parameters (high contrast, low contrast, spatial resolution, signal-to-noise ratio, dynamic range, artefacts, thoracic wall side limitation, etc.)
- Test element based on the Mammographic Accreditation Phantom of the ACR included
- Acrylic absorbers for AEC testing included

PTW Diados E Dosemeter

High sensitive dosemeter for absolute dosimetry, acceptance testing and quality control

Highlights
- Measures dose, dose rate, dose/pulse, pulses, dose length product, irradiation time
- Wide dynamic measuring range
- New mammography qualities like Mo/Mo, Mo/Rh, Rh/Rh, W/Rh, W/Al, etc. available
- Data evaluation by means of the DiaControl expert software

Siemens syngo MammoCAD*

Highlights
- Advanced image processing capabilities with state-of-the-art pattern recognition technology
- Up to 4 DICOM input connections
- Up to 10 DICOM output connections
- CAD processing of a four-image case within less than 90 seconds
- Designed for MAMMOMAT Novation and MAMMOMAT Inspiration*

*not available in the USA

GE Healthcare Proteus XR/a

Design | *3D ceiling-mounted*
Table | *Height adjustable*
Power | *50, 65, 80 kW*

Highlights
- Low table height 50 cm
- Foot pedal for hand free table control
- OTS with innovative user interface
- Patient coverage
- User-friendly generator touchscreen
- DR Imaging option available with FlashPad

GE Healthcare Proteus XR/i

Design | *Floor-mounted*
Table | *Height adjustable*
Power | *50, 64 kW*

Highlights
- Very flexible positioning
- Rotatable tube stand
- Transverse tube travel
- Anatomical programs
- Tomographic option

Landwind LWX-50P

Design | *Floor mounted design*
Table | *70 cm*
Power | *50 kW*

Highlights
- Wide clinical applications
- Green low dose imaging
- Electronic anatomical program function
- User friendly workflow
- Digital upgrade

Landwind LWX-20P

Design | *Floor mounted design*
Table | *Height 67 cm*
Power | *20 kW*

Highlights
- Compact and reliable
- Extensive clinical applications
- Electronic anatomical program function
- Outstanding clear imaging
- Digital upgrade

Philips BuckyDiagnost High-performance room

Design | *Ceiling-mounted tube carrier for highest demands*
Table | *Height adjustable with various table top sizes*
Power | *30 – 85 kW with several options*

Highlights
- Optional generator functionalities are AEC, APR, automatic collimation, VarioFocus tracking and tomography
- Flexible, interchangeable components with a large range of tables, stands, tube carriers, tubes and generators
- Same handling and options for floor-mounted system and ceiling-mounted tube carrier
- Future-proof with digital upgrade possibilities via PCR Eleva or digital detector
- Ergonomic design enabling easy handling and near patient control

Philips BuckyDiagnost Standard room

Design | *Floor-mounted system for standard patient throughput*
Table | *Height adjustable with various table top sizes*
Power | *30 – 85 kWwith several options*

Highlights
- Optional generator functionalities are AEC, APR, automatic collimation, VarioFocus tracking and tomography
- Flexible, interchangeable components with a large range of tables, stands, tube carriers, tubes and generators
- Same handling and options for floor-mounted system and ceiling-mounted tube carrier
- Digital upgrade possibilities via PCR Eleva or digital detector
- Ergonomic design enabling easy handling and near patient control

Provotec PRS 500 ES

Design	*Floor-mounted*
Table	*Height adjustable*
Power	*40, 50, 65 or 80 kW*

Highlights
- Compact bucky system for minimal space requirement
- PROVARIO HF generator integrated into the table (40 - 80 kW)
- Elevating and floating table top
- Automatic coupling device to center tube and bucky
- Including wall bucky stand

Provotec PRS 500 FS

Design	*Floor-mounted*
Table	*Fixed height*
Power	*40, 50, 65 or 80 kW*

Highlights
- Compact bucky system for minimal space requirement
- PROVARIO HF generator integrated into the table (40 - 80 kW)
- Anatomical programs and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand

Provotec Prognost XPE / XPE-AKKU

Design	*Movable*
Table	*Height adjustable*
Power	*Line or battery*

Highlights
- Mobile to position the patient directly above the corresponding image receptor
- For digital DR detectors or with bucky tray integrated
- Elevating and floating cabon fibre table top
- Line connection or battery powered

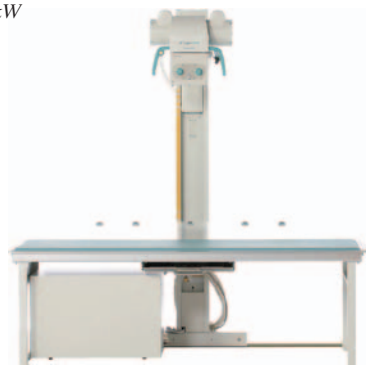
Shimadzu RADspeed series

Design | *Floor-mounted or ceiling-mounted X-ray tube assembly*
Table | *Motorised height adjustable*
Power | *50 / 65 / 80 kW*

Highlights
- Parameter setting next to the patient
- Up to 400 application programs
- Auto-positioning function
- Automatic tracking functions
- Flat panel detector upgradability

Shimadzu EZy-RAD Pro

Design | *Floor-mounted X-ray tube assembly*
Table | *standard table with soft table top*
Power | *16 / 20 kW*



Highlights
- Extremely compact system
- On-Touch-Guide
- Up to 432 application programs for easy operation
- Easy positioning via linked mechanism
- X-ray dose management

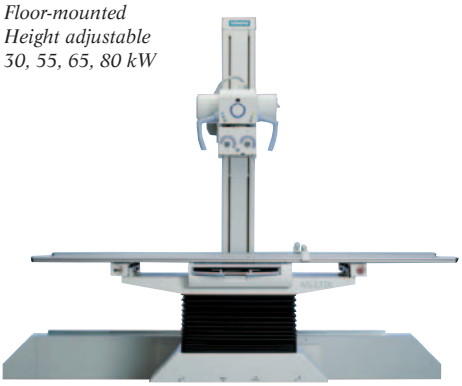
Siemens Multix Swing

Design | *Floor-mounted*
Table | *Weight capacity of 450 kg*
Power | *30 or 55 kW*

Highlights
- Cost-efficient, all-in-one X-ray room solution
- Generator is integrated into the table for minimal space requirements
- Floating tabletop with weight capacity of up to 450 kg
- Synchronized tube and bucky tray movements
- Tube can be rotated for cross-table exposures

Siemens Multix Pro

Design | *Floor-mounted*
Table | *Height adjustable*
Power | *30, 55, 65, 80 kW*



Highlights
- Conventional radiography solution with integrated X-ray tube
- Robust and easy-to-use, accommodating a wide range of clinical imaging
- Wide range of tabletop movements with table height adjustments
- Automatic exposure control

Siemens Multix Top

Design | *3D-ceiling-mounted*
Table | *Height adjustable*
Power | *30, 55, 65, 80 kW*

Highlights
- Ceiling-mounted, conventional radiography solution
- Robust and a real workhorse, suitable for high-throughput radiography rooms
- Easy, colour-coded ceiling tube handling
- TOP alignment of x-ray field for dose reduction during chest examinations
- Upgradeable to flat detector technology

Toshiba Radrex-I

Design	*Ceiling mounted Dual Panel System 2x fixed FPD*	*Ceiling mounted Single Panel System 1 portable FPD*
Power	*80 kW*	*80 kW*

Highlights
- Easy Operation for high throughput
- In Room Image Review
- Big size OTC Interface for easy Operation
- Automated FollowME Concept e.g. Auto Tracking, -processing, -image distribution, -image stitching, etc.
- Full Dicom functionalities included
- Optional wired portable FPD

GE Healthcare AMX 4+

Power	*12.5 kW*
kV Range	*50 – 125*
mAs Range	*0.4 – 320*

Highlights
- High usable battery power storage
- Wide mAs range for variety of applications
- Unique column rotation
- AEC for consistent image quality
- Excellent maneuverability with motor drive

GE Healthcare TMX+ / TMX R+

	TMX R+	**TMX+**
Power	*30 kW*	*30 kW*
kV Range	*40 – 125*	*40 – 125*
mAs Range	*0.2 – 220*	*0.2 – 220*

Highlights
- Powerful system for variety of applications
- Anatomic programs
- Dose level selection
- Dual focal spot: 0.8 and 1.3 mm
- TMX R+: column rotation for easy positioning

Philips Practix Convenio

Power	*30 kW*
kV Range	*40 – 125*
mAs Range	*0.63 – 320 (large focal spot)* *0.1 – 200 (small focal spot)*

Highlights
- Robust electrical and technical concept with swiveling column and telescopic tube arm
- Powerful motor drive for outstanding maneuverability on the spot, on ramps and over obstacles
- Long-life batteries due to intelligent single charging management
- Ergonomic design and intuitive user guidance – winner of the iF and the I.D. design award 2006
- Digital with Philips Computed Radiography and UNIQUE image processing

Philips Practix 160

Power	*16 kW*
kV Range	*40 – 125*
mAs Range	*0.2 – 200*

Highlights
- Brilliant at routine work, including thorax in intensive care and recovery rooms
- Very low weight combined with high maneuverability including side travel capability
- Microprocessor-controlled 16 kW x-ray converter generator

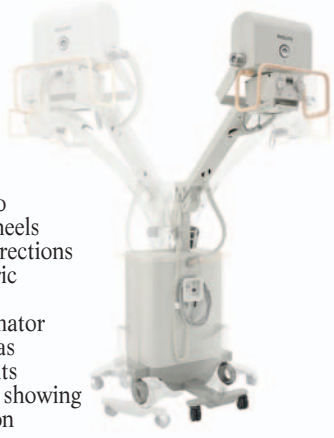
Philips Practix 33 plus

Power	*3.3 kW*
kV Range	*40 – 110*
mAs Range	*0.2 – 250*

Highlights
- Cost-effective solution for all basic needs in plaster rooms and healthcare programs
- Small and solid workhorse for rough environments
- Easy handling, high system reliability and wide application range
- Microprocessor-controlled 3.3 kW x-ray converter generator

Philips Practix 360

Power	*16kW or 30 kW*
kV Range	*40 -- 125*
mAs Range	*0.1 mAs to 220 mAs at 40 kV* *0.1 mAs to 90 mAs at 125 kV*



Highlights
- Get quick and easy access to patients with four swivel wheels allowing movement in all directions
- Support routine and pediatric examinations
- Equipped with a LED collimator light that is 150% brighter as conventional collimator lights
- Fixed SID laser light option showing the Source to Image position

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

Power	*12.5 kW*
kV Range	*40 - 125*
mAs Range	*0.32 - 320*

Highlights
- Superb image quality
- Easy handling
- User-friendly operation
- Sophisticated radiographic functions
- Low noise motorized system

Shimadzu MobileArt Evolution

Power	*32 kW*
kV Range	*40 - 133*
mAs Range	*0.32 - 320*

Highlights
- Superb image quality
- Easy handling
- User-friendly operation
- Sophisticated radiographic functions
- Low noise motorized system
- DR ready: Flat panel detector upgradability

Siemens Polymobil

	POLYMOBIL III	POLYMOBIL Plus
Power	*2.5 kW*	*20 kW*
kV Range	*40 – 100*	*40 – 125*
mA Range	*0.32 – 200*	*0.5 – 300*

Highlights
- Lightweight
- Minimum exposure time 4 ms for reduced motion artifacts
- Touchscreen keys and digital display for easy and quick settings
- Adjustable collimator
- Compact design

Siemens Mobilett Family

MOBILETT XP

Power	*30 kW, 450 mA (max.)*
kV Range	*40 – 133*
mAs Range	*0.32 – 200*

MOBILETT XP Eco

Power	*20 kW, 400 mA (max.)*
kV Range	*40 – 125*
mAs Range	*0.5 – 125*

MOBILETT XP Hybrid

Power	*30 kW, 450 mA (max.)*
kV Range	*40 – 133*
mAs Range	*0.32 – 360*

Highlights
- Self-calibrating high image output with up to 30 kW and 360 mAs
- Extremely short exposure time as low as 1 ms
- Optimal for semi-sterile environments such as ICU, neonatal and pediatric departments
- Lightest system in its class, offers outstanding maneuverability
- Supports a wide range of applications

Technix TMS 300 / 300 R

	TMS 300	TMS 300 R
Power	*30 kW*	*30 kW*
kV Range	*40-125 kV*	*40-125 kV*
mAs Range	*0.2-220 mAs*	*0.2-220 mAs*

Highlights
- Lightweight, easy maneuverable unit for multiple applications
- Dual focal spot (0.8 / 1.3 mm)
- Anatomical programs - Dose reduction
- User-friendly interface
- TMS 300 R: ± 90° column rotation for easier bedside positioning

R/F SYSTEMS FLUORO

APELEM Platinum dRF

Design	*Revolutionary remote controlled 2 in 1 dRF solution*
Technology	*Flat panel dynamic detector/Amorphous silicon (CsI) /for RAD/Fluoro/DSA up to 30 FPS*
Resolution	*2881 x 2881 pixels -3.4 lp/mm*
Size	*43 x 43 cm*

Highlights
- True full access all around the table top for easy patient transfer
- 48 cm lowest table height for optimal patient loading for all types of patients
- 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

GE Healthcare Precision RXi

Design	*Remote controlled R+F system*
II-format	*32 or 40 cm*
Image system	*1024 x 1024, 12 bit CCD*

Highlights
- Extended patient coverage
- Efficient dose management
- High resolution image chain
- Digital system tailored to customer needs
- Seamless digital workflow

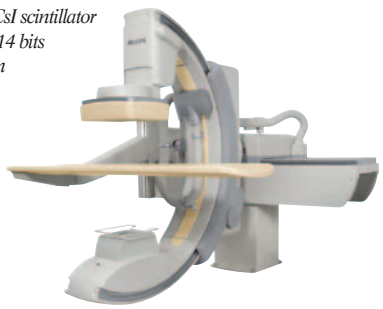
GE Healthcare Precision 500D

Design	*Nearby controlled R+F System*
II-format	*32 or 40 cm*
Image system	*1024 x 1024, 12 bit CCD*

Highlights
- AutoEx – fully parameter optimization
- Efficient dose management
- High resolution image chain
- Innovative user interface
- Seamless digital workflow
- DR Imaging option available with FlashPad

Philips MultiDiagnost Eleva FD with 3D-RX (optional)

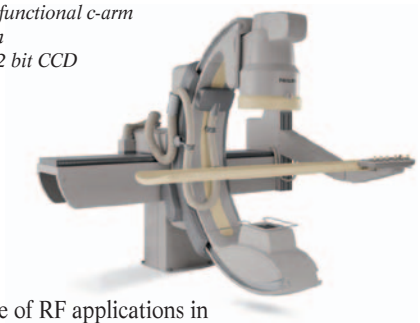
Design	*Multifunctional C-arm*
Detector	*a-Si with CsI scintillator*
Resolution	*up to 2K, 14 bits*
Size	*30 x 40 cm*



Highlights
- Covers a broad range of applications from RF, orthopedics up to interventional and vascular exams
- Easily absorbs changes in application mix
- 3D-RX providing excellent anatomical insight and which is unique under weightbearing conditions'
- Proven scan principle with c-arm moving around the patients
- 180 degree isocentric c-arm rotation increases projection flexibility

Philips MultiDiagnost Eleva

Design	*Multifunctional c-arm*
II-format	*38 cm*
Image system	*1k, 12 bit CCD*



Highlights
- Covers broad range of RF applications in vascular and interventional procedures
- Easily absorbs changes in application mix and adds to departmental efficiency as overflow system for dedicated rooms
- Offers ultimate customization by adjusting the system to preferences
- Proven scan principle with c-arm moving around the patients
- 180 degree isocentric c-arm rotation increases projection flexibility

Philips Essenta RC

Technology	*CsI-Scintillator*
Resolution	*Matrix: 2880 x 2881, Pixel size: 148 µm*
Size	*43 cm x 43 cm*

Highlights
- 2-in-1 system for digital radiography and fluoroscopy which enables you to perform a wide range of digital X-ray applications
- Patient capacity up to 284 kg in all movements combined with a large table top size allows for bariatric examinations
- Exams on the table with Source Image Distance (SID) of 180 cm
- Minimum table top height of 62 cm facilitates easy transfer and positioning of patients
- Scan range of 203 cm without table top movement enables examinations without repositioning for increased patient comfort

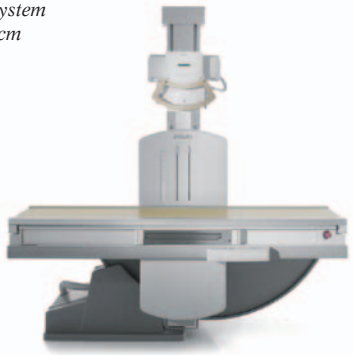
Philips Juno DRF

Design	*Digital tableside controlled R/F system*
Technology	*1 k x 1 k matrix*
Resolution	
II-format	*33 cm or 40 cm*
Image system	
Size	

Highlights
- One digital system for fluoroscopy and radiography from pediatrics to bariatrics
- Open design to accommodate bariatric patients up to 272 kg
- Ergonomic single-handed system operation with OPTI Grip handle
- FLUOROSPOT Compact high-resolution digital imaging system with intuitive user interface and DICOM 3.0 interfaces
- Comprehensive CARE dose reduction package
- Mobile flat detector (option) for fully digital radiography workflow

Philips DuoDiagnost

Design	*Free arm system*
II-format	*23/31/38 cm*
Image system	*1k*



Highlights
- Unique design that provides both radiography and fluoroscopy in one system
- Detachable tube arm for maximum flexibility
- Compact design that allows it to be installed in small rooms
- Digital version of DuoDiagnost provides all benefits of digital technology: time, cost and dose savings
- Seamless integration into DICOM network

Philips EasyDiagnost Eleva

Design	*Nearby controlled system*
II-format	*23/31/38 cm*
Image system	*1k, 12 bit CCD*

Highlights
- Intelligent design offering work environment with top of the line convenience
- EasyLat – unique fold-out cassette holder
- Comprehensive dose management
- Up to 250 kg table load covering all types of patients
- Eleva concept offers ultimate customization by adjusting system to preferences

Shimadzu Fluorospeed 300

Design	*90/90 Digital local R/F table*
II-format	*16“ or 12“*
Image system	*Digital*

Highlights
- High performance
- GI to angiographic studies
- High image quality
- High throughput

Shimadzu Flexavision series

Design	*90/30 Digital or analog local R/F table*
II-format	*12“ or 9“*
Image system	*Digital or analog*

Highlights
- Flexible configuration
- Meets all requirements for routine R/F exams
- High reliability
- Turnable footrest

Shimadzu Sonialvision Versa series

Design	*Universal remote R/F table*
II-format	*12“ or 16“*
Image system	*Digital*

Highlights
- 1 Megapixel CCD camera
- Proven reliability
- Perfect design
- Large storage capacity

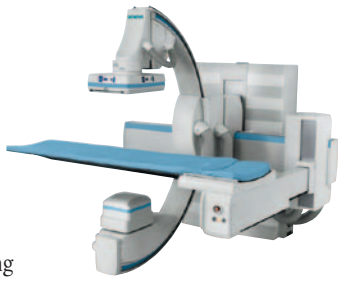
Shimadzu Sonialvision safire

Detector	*Direct-conversion flat panel detector (a-Se)*
Resolution	*3.3 lp/mm*
Size	*17“ x 17“ (43 x 43 cm)*

Highlights
- Premium R/F system with dynamic direct-conversion flat panel detector
- Wide range of functions
- Digital tomosynthesis for general radiography
- Dual Energy Subtraction
- Slot radiography

Siemens Artis zee multi-purpose

Design	*Multi-purpose flat detector fluoroscopy and angiography system*
Detector	*2k a-Si with CsI scintillator*
Resolution	*1920 x 2480 pixel, 3.25 lp/mm*
Size	*30 x 40*



Highlights
- 3D applications
- New multi-host imaging system
- Right or left side suspension for endoscopic applications
- 2k-acquisition available
- New ergonomic system controls for smooth table-side operation
- Undertable/overtable positioning
- Full in-room-control (on trolley)
- Remote controls for room operation available

Siemens Axiom Iconos MD

Design	*Digital remote-controlled R/F system*
Technology	*1 k x 1 k matrix*
Resolution	
II-format	*33 cm*
Image system	
Size	

Highlights
- Complete patient coverage with 8-way tabletop travel and large receptor movements
- Single-handed cassette handling: automatic loading, centering, format sensing and collimation
- FLUOROSPOT Compact high-resolution digital imaging system with intuitive user interface and DICOM 3.0 interfaces
- Seamless integration into DICOM network
- Dose-saving fluoroscopy with SUPERVISION (option)
- Bucky wall stand (option)

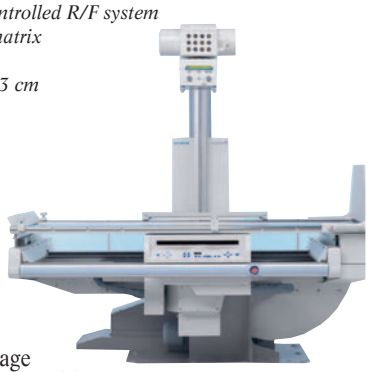
Siemens Axiom Iconos R200

Design	*Universal digital remote-controlled R/F system*
Technology	*1 k x 1 k matrix*
Resolution	
II-format	*33 cm or 40 cm*
Image system	
Size	

Highlights
- Modular design for universal applications including diagnostic angiography (option)
- Complete patient coverage with 8-way tabletop travel and large receptor movements
- Single-handed cassette handling: automatic loading, centering, format sensing and collimation
- FLUOROSPOT Compact high-resolution digital imaging system with intuitive user interface and DICOM 3.0 interfaces
- Seamless integration into DICOM network
- Comprehensive CARE dose reduction package

Siemens Luminos RF Classic

Design	*Remote-controlled R/F system*
Technology	*1 k x 1 k matrix*
Resolution	
II-format	*23 cm or 33 cm*
Image system	
Size	



Highlights
- Complete patient coverage with 8-way tabletop travel and large receptor movements
- Single-handed cassette handling: automatic loading, centering, format sensing and collimation
- Intuitive and fast operation with innovative control console
- Dose-saving fluoroscopy with SUPERVISION (Option)
- Bucky wall stand (Option)
- Excellent price-performance ratio

Siemens Axiom Luminos TF

Design	*Digital tableside controlled R/F system*
Technology	*1 k x 1 k matrix*
Resolution	
II-format	*33 cm or 40 cm*
Image system	
Size	

Highlights
- One digital system for fluoroscopy and radiography from pediatrics to bariatrics
- Open design to accommodate bariatric patients up to 272 kg
- Ergonomic single-handed system operation with OPTI Grip handle
- FLUOROSPOT Compact high-resolution digital imaging system with intuitive user interface and DICOM 3.0 interfaces
- Comprehensive CARE dose reduction package
- Mobile flat detector (option) for fully digital radiography workflow

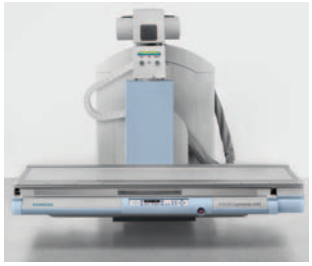
Siemens Axiom Artis U

Design	*Universal, room-mobile*
II-format	*23 cm or 33 cm*
Image system	*1024 x 1024 pixel, 12 bit-CCD*

Highlights
- High-power output for excellent image quality
- High heat capacity x-ray tube virtually eliminates overheating issues
- Compact and »room-mobile« design
- Broad application spectrum
- Excellent price-performance ratio

Siemens Axiom Luminos dRF

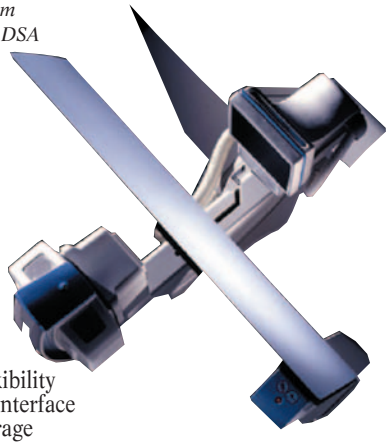
Design	*Remote-controlled 2-in-1 system with dynamic flat detector*
Technology	*Amorphous-Silicon with Cesium Iodide scintillator*
Resolution	*Up to 3.4 lp/mm*
II-format	
Image system	
Size	*43 cm x 43 cm*



Highlights
- Fully digital 2-in-1 solution for dynamic and static high-resolution imaging including DSA procedures (option)
- Easy patient transfer at 48 cm lowest table height
- Dynamic Density Optimization (DDO) and DiamondView Plus for excellent detail contrast
- FLUOROSPOT Compact high-resolution digital imaging system with intuitive user interface and DICOM 3.0 interfaces
- Comprehensive CARE dose reduction package
- Limitless projection flexibility with optional ceiling-suspended tube and wireless detector wi-D

Toshiba Ultimax-I

Design	*MultifunctionalC-arm, table*
Detector	*43 x 43cm*
Technique	*RF; DA, DSA*



Highlights
- Complet eclinical flexibility
- New Harmony User Interface
- Full anatomical coverage
- Stepping DSA
- Easy and quick handling
- Full range of Doseoptimization techniques

Toshiba Zexira

Design	*True 2 in 1 System for fluoroscopy and radiography*
Detector	*43 x 43 cm*

Highlights
- Full clinical flexibility: G.I; Venography; Urology; ERCP; Angiography; Radiography, Oblique Imaging, etc.
- Easy Userinterface
- Full patient coverage
- Full range of Dose optimization techniques

DMS Stratos dR bone densitometer

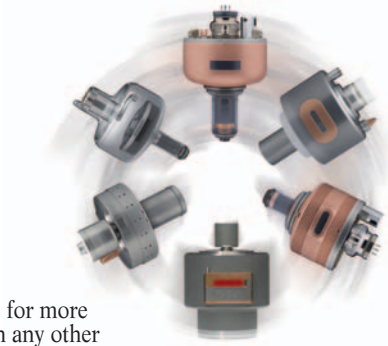
Highlights
- The complete solution for the diagnosis and evaluation of fracture risk (multi-site, whole body, DVA, Hip Structure Analysis, Frax, etc.)
- Technology 2D-Fan Beam features a detector with 256 elements and provides the highest image resolution for an optimal diagnosis
- Exams can be performed in only 30 seconds per site
- Powerful easy-to-use software platform

Hologic Discovery Bone Densitometers

Highlights
- Discovery bone densitometry systems provide accurate and precise bone density measurement of the spine, hip, whole body and forearm.
- With one scan the Discovery system can detect osteoporosis, vertebral fractures and visualize abdominal aortic calcifications – an indication of heart disease.

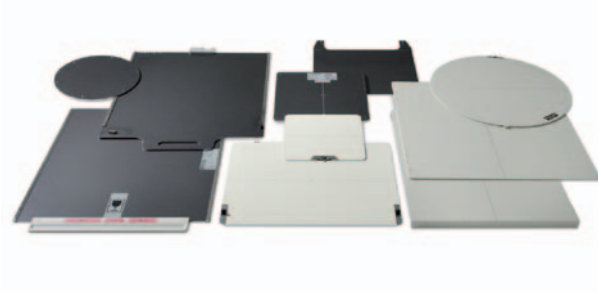
R/F SYSTEMS ACCESSORIES

Dunlee Replacement Tubes



Highlights
- Replacement tubes for more manufacturers than any other company in the industry (GE, Siemens, Toshiba, Shimadzu, Philips, Elscint or Picker)
- Tube stocks at major airport hubs throughout the United States, Asia, Europe and Latin America.
- 24/7 - 365 days per year
- shipment of most popular replacement tubes, typically with same-day or next-day delivery
- Warranty

Dunlee Smit Röntgen Fiber Interspaced Grids



Highlights
- standard grids, mammography grids and grids designed for special applications
- low absorption because of the fiber interspacer
- higher SNR with detectors in digital applications, and a significant dose advantage over aluminum interspaced grids
- any focal distance between 70 cm and 300 cm
- less weight than aluminum interspaced grids, up to 1/3

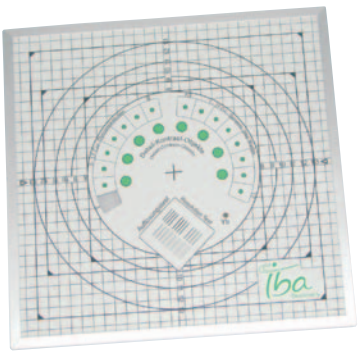
IAE RTC 600

Rotating anode graphite X-ray tube, specifically designed for remote controlled tables and digital systems

Highlights
- High anode heat storage for repeated loading
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- Ground glass window for consistent HVL
- Variety of available housings allows flexible systems configurations

IBA Dosimetry Primus

Test device for checking image quality parameters at fluoroscopic units



Highlights
- Modular construction: structural plate and separated attenuator
- Check of spatial and contrast resolution, size of the radiation field, artefacts; kV test area
- Compact Al pre-attenuator or PMMA and Cu plates
- Available in two different sizes

IBA Dosimetry DIGI-13

Test device for checking image quality parameters at digital radiographic units

Highlights
- Compact device with separated Al pre-attenuator
- With integrated copper plate
- Check of homogeneity, spatial and contrast resolution, size of the radiation field, artefacts
- Easy-to-use

IBA Multimeter MagicMax

Simultaneous measurement of dose, dose rate, exposure time, kV, dose/pulse, pulse rate, HVL and total filtration

Highlights
- Small device with separate multifunction detector
- Connected via USB to PC or Notebook
- Intuitive use via PC interface
- Time resolution: 100 µs
- Optimized solutions for all applications

PTW DIAMENTOR CM

Miniature dose area product (DAP) meter for patient dosimetry and quality control

Highlights
- Compact solution - ideal for integration in mobile units
- Built-in test function for fast calibration and constancy checks
- Easy connection to a RIS or PACS

Radcal ACCU-PRO

X-Ray Analyzer
Simultaneous dose, rate, time, kVp. HVL, filtration, mA/mAs, and more

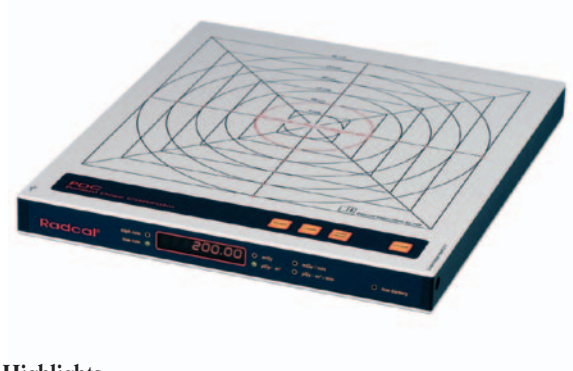
Highlights
- Use for manufacturing, installation, QA, and service
- R/F, mammography, CT, dental, leakage
- Ion chamber and solid state sensor dosimetry
- Correctly measure AEC fluoro and filtered beams
- Remote control, waveforms, and archiving with XLPRO Software
- Compact, easy to use

Radcal RAPIDOSE

Rapid Measurements - with a super small footprinter detector

Highlights
- For Radiography, Fluoroscopy, Mammography and Dental.
- Simultaneous dose, rate, kVp, time, HVL, filtration and waveforms
- Customizable software and easy data analysis
- Display data and waveforms exactly as you wish
- Instant scope-type waveform analysis
- Data archiving and analysis using Excel

Radcal PDC-DAP/KAP verification meter



Highlights
- PDC (Patient Dose Calibrator)
- Use to calibrate DAP/KAP meters
- Measures and displays DAP/Rate and Dose/Rate
- Optical and radiographic alignment markers
- Simple to use with optional computer control

RTI Electronics Piranha

The Piranha is designed as a truly self-contained, all-in-one, X-ray multi-function meter that assures accurate results in one shot. kV, time, dose, dose rate, HVL and total filtration

Highlights
- Self-Contained, All-in-One
- Auto-Compensation
- R&F, Mammo, Dental and CT
- Quick and Simple Set-up
- Enhanced Graphical Display
- Built-In Bluetooth for PC and PDA
- mA, mAs, and Light Probes
- Fits in the Palm of Your Hand

RTI Electronics Barracuada

The Barracuda X-ray multimeter has a cabinet that can house up to six different application modules, and can measure on all modalities; R/F, mammography, flouroscopy, pulsed flouroscopy, dental, panoramic dental and CT systems

Highlights
- All in One, All at Once
- Auto-Compensation
- Enhanced Graphical PDA Display
- R&F, Mammo, Dental and CT
- Ionization Chambers
- Built-In Bluetooth for PC and PDA
- mAs, and Light Probes
- Fits in the Palm of Your Hand

RTI Ocean

A New Software for X-ray QA and QC!

Ocean

Highlights
- Ocean is brand new database software program for X-ray QA and QC software from RTI Electronics. It is a pioneering powerful tool that allows you to customize your Quality Assurance in the best way – your way!
- By using Ocean, you can plan the 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.
- Waveforms can be studied immediately and setup is as simple as placing your meter under the X-ray beam, making an exposure, and seeing the results instantane-ously. The data can automatically be transferred into your customized Ocean database or into your current Excel® worksheets

ulrich medical – CO_2 Insufflator for virtual colonoscopy

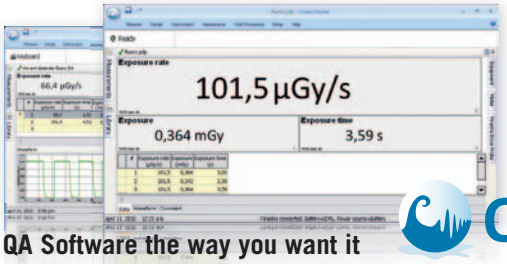
Pressure	*0-30 mmHG, infinitely variable, preselectable*
Insufflation rate	*1-4 l/min, arbitrary*
Setting	*supported by voice confirmation system*

ulrichINJECT CO 2flow™

Highlights
- Automatic insufflation of CO_2 into the colon for virtual colonoscopy examinations in CT
- Significant improvement of diagnostic results compared to manual room air insufflation
- Increase of patient comfort due to automatic adjustment of over pressure and faster resorption
- Easy setting of gas volume and pressure
- Display of gas consumption
- Four adjustable flow rates

Designed for the Clinical Engineer

- All in One, All at Once
- R&F, Mammo, Dental and CT
- Auto Compensation
- Bluetooth wireless to PC and PDA
- Optional mAs, Light and Dose Probes
- New Ocean Database Software
- 24 month Warranty and Calibration cycle



Ocean

QA Software the way you want it

The Ocean is not re-built, re-used, or copied. Ocean is a pioneering and powerful tool that allows you to customize your Quality Assurance in the best way – your way!

Piranha

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Real Flexibility in general X-Ray

The Wireless Cassette Digital Radiography Detector: AeroDR

Until recently the use of cassette type Digital Radiography was not ideal because of the weight and or the required connection of cables. The AeroDR has been developed not only to solve the above problems but also to enhance cycle time and significantly improve image quality, while maintaining the operability and performance of Computed Radiography. With the AeroDR, Konica Minolta has solved many of the problems of the existing cassette type DR and developed a real cassette DR system that is capable of producing high-quality images for diagnosis, even at a low dose. At the same time, Konica Minolta has made various improvements, such as a wider dynamic range, a safer and more durable battery and quick recharging of the battery. The AeroDR was designed to comply with the ISO standard; therefore it is possible to retrofit the AeroDR in any existing X-ray room, using it in the same manner as you would a CR cassette.

AERO DR

AeroDR is Konica Minolta's new general X-ray detector

- Wireless
- Cassette size 35x43cm
- Highly durable
- Low dose
- Unique roaming
- Auto focus function
- In house production from detector to software

Extremely versatile, durable and the lightest in the world.

Image quality

High image quality at a low dose is one of the most important specifications of any detector. Easy operation and a wide dynamic range are other key factors. Because of the specifically developed technology, Konica Minolta achieved both a high DQE and a wide dynamic range.

DQE

Fig. 1 shows a schematic cross section of the interface between the scintillator and the TFT panel in an indirect conversion type DR system like the AeroDR. In many conventional indirect conversion type DR systems, the CsI scintillator and the TFT sensor panel are attached via a protective film formed on the columnar CsI scintillator surface. Recently, Konica Minolta developed a new technology whereby the CsI scintillator is produced to contact directly with the TFT sensor panel without any protective film in between. The development of this technology has made it possible to guide the light emitted from the scintillator to the photodiode without causing the light to be dispersed at the interface with the TFT.

In addition, by optimizing the technology that controls the growth of the scintillator crystals, we managed to improve the efficiency of the transmission of light emitted from the scintillator. As a result, the DQE was increased by 20%. This technology permits the AeroDR to maintain a high DQE even at a low dose.

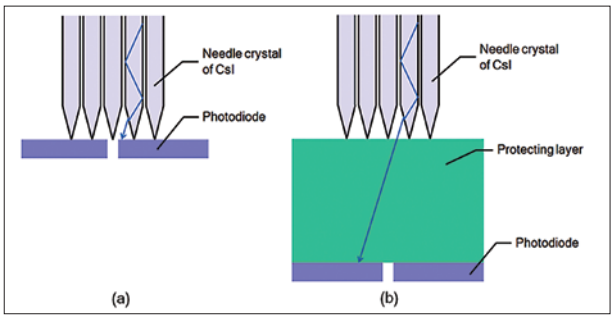


Fig.1: Schematic cross section of scintillator and TFT-panel. (a) AeroDR, (b) Conventional DR

Lightweight and Durability

Robust housing

To make the AeroDR lightweight and durable, a cylindrical monocoque carbon fibre cassette case was developed. The battery is incorporated in this cassette; therefore a notch or opening in the housing for battery replacement is unnecessary. Special magnesium alloy boarders complete this state of the art light weight and durable housing.

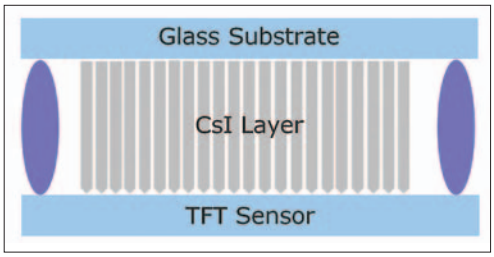


Fig. 2:
Glass seal structure for CsI scintillator

Protection of CsI scintillator
In order for the CsI crystal to transform X-rays into light as efficiently as possible, it is essential to keep the crystal structure of the CsI intact. In order to do this, a double-glass structure in which the CsI scintillator glass plate and the TFT panel glass plate are placed and sealed together, is used for the AeroDR. This structure is schematically shown in Fig. 2.
The double-glass structure not only enhances the load-bearing performance but also prevents the scintillator edge from being deformed by a mechanical shock (e.g. cassette being dropped).

Safety in control

Newest battery technology
For a battery, which should meet our high requirements, including the safety of the patient, Konica Minolta adopted the lithium ion capacitor. The time required to fully recharge the capacitor is 30 minutes, less than one-fourth of the time required by other wireless DR cassettes. In addition, unlike the lithium ion secondary battery, the lithium ion capacitor deteriorates little even when the power is constantly supplied over a cable. On the other hand, even if the electrodes are short-circuited, there is no risk that the capacitor will emit smoke or catch fire. To prolong the usable time of the detector we incorporated power saving functions, that reduce the power consumption considerably compared to conventional detectors.

Workflow

An important element that highly contributes to the workflow is not only the detector, but the combination of the detector and software. To improve workflow, easy operation of the console is crucial. To allow the flexibility of Computed Radiography in sharing cassettes between X-ray rooms and mobile units, a special roaming functionality has been incorporated into the software. The number of detectors that can be registered to the CS-7 console is virtually unlimited and is as simple as just realising a brief wired connection between the AeroDR and the CS-7 for registration.

To be able to simply recognise and follow the AeroDR within the X-ray room the unique Auto Focus function has been developed. This functionality enables the user to very easily identify which detector is located where: in the bucky table, wall stand or free position.

Conclusion

In developing this new product, Konica Minolta did not decide on product specifications in view of technical limitations. Instead, we analysed the way the cassette DR detector should be from the customer's standpoint and incorporated all the study results into the design of the AeroDR. Rather than be completely satisfied with the present success, we intend to continue developing innovative new products and with that contribute to the future improvement of the quality of medicine in the world.

Reference:
Development of a Wireless Cassette Digital Radiography Detector: the AeroDR (KM technology report vol.8(2011)

Agfa DX-G

Slots	*1-5 cassettes: drop and go buffer*
Capacity	*Approx. 83 plates per hour (35 x 43cm cassette)*
Resolution	*6.7-10 pixels/mm*

Highlights
- Next-generation CR digitizer
- 2 types of detectors: NIP and PIP detectors
- Superb image quality and potential for dose reduction
- 5 cassette drop-and-go buffer
- Small footprint

Agfa DX-M

Slots	*1-5 cassettes: drop and go buffer*
Capacity	*Approx. 83 plates per hour (35 x 43cm cassette)*
Resolution	*6.7-20 pixels/mm*

Highlights
- Next-generation CR digitizer
- NIP and PIP detectors for General Radiography & Mammography
- Superb image quality and potential for dose reduction
- Five cassette drop-and-go buffer
- Small footprint

Agfa CR 30-Xm

Slots	*1*
Capacity	*Up to 82 plates/h*
Resolution	*10 pixel/mm*

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
- Spatial resolution: 10 pixels/mm, 20 pixels/mm for Mammography
- Mobile use

Agfa CR 30-X

Slots	*1*
Capacity	*Up to 82 plates/h*
Resolution	*10 pixel/mm*

Highlights
- Tabletop digitizer
- Broad range of applications: General Radiography, Orthopaedics, Chiropractic, Dental and FLFS
- No quality compromises
- Horizontal cassette insertion
- Low total cost of ownership
- Spatial resolution: 10 pixels/mm
- Mobile use

CARESTREAM DIRECTVIEW ELITE AND CLASSIC CR SYSTEMS

Slots	*1*
Capacity (35x43)	*69 – 90 Screens/h*
Resolution	*6 – 10 pixels/mm for 35 x 43 cm cassettes*
Optional Mammography & Pediatric cassettes/screens	*Powder and/or Needle Phosphor available*

Highlights
- Highly configurable
- Optional mammography feature – resolution 20 pixels/mm (FDA & EU approved)
- Optional Long-Length Imaging feature for standing and supine examinations
- Network with optional Remote Operation Panels
- User interface consistent across CR, DR & DRX systems
- Software options available: NEW EVP Plus Image Processing, Administrative Analysis and Reporting
- Easy integration with PACS/RIS, laser imagers etc.

Fujifilm FCR Profect CS

Slots	*4*
Capacity	*165 Imaging plates (IPs)/h*
Resolution	*5 – 20 pixel/mm*

Highlights
- EUREF & PAS 1054 compliant
- First mammography CR system approved by FDA
- Fastest mammography system available
- 50 µm
- Needs 30% less dosage for pediatric exams
- Worldwide more than 5.000 FCR Profect installed

Fujifilm FCR XG5000

Slots	*4*
Capacity	*165 Imaging plates (IPs)/h*
Resolution	*5 – 10 pixel/mm*

Highlights
- Worldwide more than 70.000 Fujifilm CR systems installed
- Universal applicable
- IHE certified
- Wide dynamic range
- Optimized workflow

Fujifilm FCR Profect One

Slots	*1*
Capacity	*85 Imaging plates (IPs)/h*
Resolution	*5 – 20 pixel/mm*

Highlights
- EUREF & PAS 1054 compliant
- First mammography CR system approved by FDA
- Needs 30% less dosage for pediatric exams
- Compact system

Fujifilm FCR Capsula X / XL II

Slots	*1*
Capacity	*72/94 Imaging plates (IPs)/h*
Resolution	*5 – 10 pixel/mm*

Highlights
- Extremely compact system, mobile model available
- IHE certified
- Universal applicable, wide dynamic range
- Ideal for medium radiologists (e.g. orthopedic doctors)
- Optimized workflow

Fujifilm FCR Prima

Slots	*1*
Capacity	*up to 29 (IPs)/h*
Resolution	*10 pixel/mm*

Highlights
- Seamless image and patient data workflow
- Efficient use of space in examination room
- Compact and quiet, Footprint 0,24 m^2
- All-in-one workstation: Console, Viewer, Archive
- Value for money

Image Displays iQ-CR ACE

Slots	*1*
Capacity	*Up to 64 Screens/h*
Resolution	*100 µm*

Highlights
- Full diagnostic web based PACS + CR as an All in One solution!
- Automatic image post processing gives superb quality for both soft tissue and bones
- Scans plates directly into the PACS
- Robust table-top digitizer
- Complete digital x-ray acquisition solution

Konica Minolta Regius 110

Slots	*1*
Capacity	*80 screens/h (14 x 14 cm)*
Resolution	*175 µm/87.5 µm/ 6 – 11 pixel/mm*

Highlights
- Very compact and flexible design
- Normal & high quality mode for all cassettes (175 µm/87.5 µm)
- Integration in Regius 190 network
- Cost efficient CR solution

Konica Minolta Regius 110HQ

Slots	*1*
Capacity	*80 plates/h (14" x 14", 175 µm)*
Resolution	*175 µm/87.5 µm/43.75 µm*

Highlights
- Powerful, compact reader with linear motor technology
- High quality Mammography read function
- Easy operability and maintenance
- Use with standard cassettes and/or CP-1M

Konica Minolta Regius 210

Slots	*2*
Capacity	*100 plates/h (14" x 14", 175 µm)*
Resolution	*175 µm/87.5 µm/43.75 µm*

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

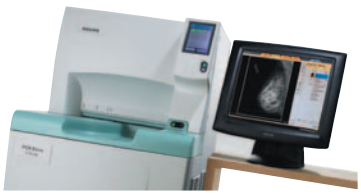
Philips PCR Eleva Corado

Slots	*4*
Capacity	*165 cassettes/h (18 x 24 cm) 143 cassettes/h (35 x 35 cm, in high-speed mode)*
Resolution	*10 pixel/mm, 5 pixel/mm in high-speed mode*

Highlights
- Customizable Eleva User Interface combined with superb image quality by UNIQUE image processing
- High-throughput, multi-slot system, for environments using a central reader set-up
- For general radiographic applications including orthopedics
- Orthopedic automatic image stitching

Philips PCR Eleva S Hi-res

Slots	*1*
Capacity	*94 plates/h (18 x 24 cm, standard readout) 52 plates/h (18 x 24 cm, dual-side readout*
Resolution	*5 – 10 pixel/mm; 20 pixel/mm with dual-side reading for HR-BD and ST-BD cassettes*



Highlights
- Customizable Eleva User Interface combined with superb image quality by UNIQUE image processing
- Features simultaneous dual-side reading for 18 x 24 and 24 x 30 imaging plates
- 40 % increase of DQE and enabling high-resolution imaging like mammography (HR-BD cassettes/plates)
- Low-dose imaging for pediatrics (ST-BD cassettes/plates)
- Orthopedic automatic image stitching

Philips PCR Eleva S Plus

Slots	*1*
Capacity	*97 plates/h (18 x 24 cm); 94 plates/h (35 x 35 cm, in high-speed mode)*
Resolution	*10 pixel/mm, 5 pixel/mm in high-speed mode 20 pixel/mm with HR cassettes (option)*

Highlights
- Customizable Eleva User Interface combined with superb image quality by UNIQUE image processing
- For environments with high throughput requirements
- For general applications, including orthopedic and dental applications
- Faster read-out than S reader with high speed mode
- Smaller footprint and dimensions
- 50 micron scanning option
- Orthopedic automatic image stitching

Philips PCR Eleva S

Slots	*1*
Capacity	*78 plates/h (18 x 24 cm)*
Resolution	*10 pixel/mm*

Highlights
- Customizable Eleva User Interface combined with superb image quality by UNIQUE image processing
- Suitable in environments with moderate performance requirements and/or decentral reader set-up
- For general applications, including orthopedic and dental applications
- Smaller footprint and dimensions
- Orthopedic automatic image stitching

Protec Proscan 35E CR-System

Slots	*1*
Capacity	*52 – 110 screens/h*
Resolution	*up to 20 pixel/mm*

Highlights
- 16 bit grayscale resolution
- Smallest physical pixel size is 12.5 µm
- Can read IPs in odd formats, e.g. 18 x 35 cm for lumbar spine images and faster readout
- CONAXX image acquisition software included in standard delivery
- Fully DICOM compatible
- Independent modality or easy integration to PACS

Protec Proscan 43 CR-System

Slots	*1*
Capacity	*55 – 80 screens/h*
Resolution	*Up to 20 pixel/mm*

Highlights
- 16 bit grayscale resolution
- Smallest physical pixel size is 12.5 µm
- Touch-free IP transport
- Installation table top or on cabinet (option)
- Extremely small footprint
- CONAXX image acquisition software included in standard delivery
- Fully DICOM compatible
- Network-compatible
- RFID chip for cassette identification and workflow optimization
- Independent modality or easy integration to PACS

Agfa DX-D600

Technology	*CsI*
Resolution	*139 µm*
Size (Detector)	*43 x 43 & 42,7 x 35,6*

Highlights

Ceiling Mounted Solution
- Ceiling mounted – versatile operation
- Family of systems from a manual system to a fully motorized auto-positioning system
- MUSICA2 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
- Choice of tubes and generator power

Agfa DX-D400

Technology	*CsI*
Resolution	*139 µm*
Size (Detector)	*43 x 43 & 42,7 x 35,6*

Highlights

Floor Mounted Solution
- Flexible and affordable modality
- Family of systems from an analog manual system to a fully motorized auto-positioning DR system (shown here)
- MUSICA2 processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Supports CR and DR integration
- Floor mounted – easy to install
- Requires limited space (4m x 2m)

Agfa DX-D300

Technology	*CsI*
Resolution	*139 µm*
Size (Detector)	*43 x 43*

Highlights
- Universal modality
- Single DR detector
- MUSICA2 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

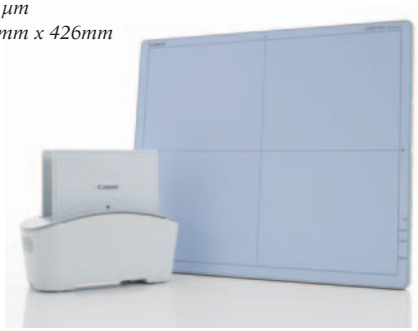
APELEM Platinum dRF

Design	*Revolutionary remote controlled 2 in 1 dRF solution*
Technology	*Flat panel dynamic detector/Amorphous silicon (CsI) /for RAD/Fluoro/DSA up to 30 FPS*
Resolution	*2881 x 2881 pixels -3.4 lp/mm*
Size	*43 x 43 cm*

Highlights
- True full access all around the table top for easy patient transfer
- 48 cm lowest table height for optimal patient loading for all types of patients
- 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

Canon CXDI-70C Wireless

Technology	*Cesium Iodide Scintillator*
Resolution	*125 µm*
Size	*350mm x 426mm*



Highlights
- Wireless Flat Panel Detector
- Thin and Lightweight - 3,4 kg (incl. battery)
- Universal cassette size
- Preview image time in 3 sec, Full image in 5 sec
- Handle for portability (optional)
- New image processing software
- Interchangeable between rooms

Canon CXDI-60G/C

Technology	*60C: Cesium Iodide Scintillator*
	60G: a-silicon Gadolinium OxiSulfide Scintillator18 s
Resolution	*160 µm*
Size	*23cm x 28cm*

Highlights
- Small Size Portable Flat Panel Detector
- 2,5 kg weight
- Preview image time in 3 sec, full image in 5 sec
- Intuitive touch screen operation
- Click on grid
- New image processing software

Canon CXDI-55G/C

Technology	*5C: Cesium Iodide Scintillator* *55G: a-silicon Gadolinium OxiSulfide Scintillator*
Resolution	*160 µm*
Size	*35cm x 43cm*

Highlights
- For table, upright and portable applications
- 3.4 kg weight
- Calibration once a year
- Preview image time in 3 sec, full image in 5 sec
- Intuitive touch screen operation
- Click on grid
- vNew image processing software

Canon CXDI-50RF

Technology	*Cesium Iodide Scintillator*
Resolution	*160 µm*
Size	*35cm x 43cm*

Highlights
- Portable Dynamic Flat Panel Detector
- 3-in-1: Static, serial and fluoroscopy imaging
- Acquisition mode 5-30 fps
- Excellent signal to noise ratio
- New image processing software
  Available only in integrated applications

Canon CXDI-401C/G Compact

Technology	*401 C Compact: Cesium Iodide Scintillator;* *401 G Compact: Gadolinium OxiSulfide scintillator*
Resolution	*125 µm*
Size	*42 x 43 cm*

Highlights
- Fit into standard bucky without modification
- For table and wall stand upgrading
- Preview image time in 3 sec, full image in 5 sec
- No cooling required
- Calibration once a year
- New image processing software

Canon CXDI-401EC/EG

Technology	*401 C Compact: Cesium Iodide Scintillator;* *401 G Compact: Gadolinium OxiSulfide scintillator*
Resolution	*125 µm*
Size	*42 x 43 cm*

Highlights
- Fit into standard bucky without modification
- For table and wall stand upgrading
- Preview image time in 3 sec, full image in 5 sec
- No cooling required
- Calibration once a year
- New image processing software

CARESTREAM DRX-MOBILE RETROFIT

Detector Technology – DRX-1	*GOS cassette size, wireless DR detector*
Detector Technology – DRX-1C	*CsI cassette size, wireless DR detector*
Resolution	*139 micron pixel pitch*
Detector Size	*35 cm x 43 cm*

Highlights
- The world's first wireless cassette-sized DR detector, converting conventional analogue GE, Siemens or Shimadzu mobile units into DR image capture systems.
- Quick, easy transition to digital radiography (DR). Minimise disruption and downtime with one-day installation.
- Wireless & Hygenic – no cables interfering while patient positioning, no cables collecting dirt from floor..
- Images immediately available at capture console, and can be quickly forwarded to multiple network destinations.
- Increased workflow and productivity

CARESTREAM DRX-1 / DRX-1C SYSTEM

Detector Technology – DRX-1	*GOS cassette size, wireless DR detector*
Detector Technology – DRX-1C	*CsI cassette size, wireless DR detector*
Resolution	*139 micron pixel pitch*
Detector Size	*35 cm x 43 cm*

Highlights
- The world's first wireless cassette-sized DR detector, slides into existing table or wallstand Bucky, or can be used for tabletop projections
- Quick, easy transition to digital radiography (DR). Minimise disruption and downtime with one-day installation.
- Extend the life of conventional x-ray equipment by using it for DR image capture.
- Images immediately available at capture console, and can be quickly forwarded to multiple network destinations.
- Increased workflow and productivity

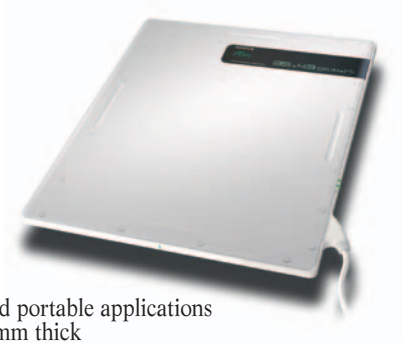
CARESTREAM DRX-EVOLUTION

Detector Technology – DRX-1	*GOS cassette size, wireless DR detector*
Detector Technology – DRX-1C	*CsI cassette size, wireless DR detector*
Resolution	*139 micron pixel pitch*
Detector Size	*35 cm x 43 cm*

Highlights
- Matches DRX-1, the world's first cassette-sized DR detector with a fully automated, semi-automated or manual suite of precision x-ray equipment
- Virtually unlimited positioning freedom – including detector interchangeability across DRX Family Suite products
- Single integrated console controls both generator and image processing.
- Supports workflow enhancing protocols such as DxIOD, IHE Scheduled Workflow and IHE Consistent Presentation of Images.
- Flexible user interface can be customised to match clinical workflow.

FUJIFILM D-EVO

Technology	*ISS indirect conversion method*
Resolution	*150 µm*
Size	*38,4 cm x 46 cm x 1,4 cm (W x D x H)*



Highlights
- For table, upright and portable applications
- Only 2,8 kg and 14 mm thick
- 3 Sec preview time
- Exposure cycle time: 9 sec
- Imaging area: 35 cm x 43 cm
- ISS indirect conversion Method improves DQE & MTF significantly

FUJIFILM D-EVO Wireless

Technology	*ISS indirect conversion method*
Resolution	*150 µm*
Size	*38,4 cm x 46,0 cm x 1,4 cm (W x D x H)*

Highlights
- For table, upright and portable applications
- Imaging Area: 35 cm x 43 cm
- Only 3,3 kg and 14 mm thick
- 1 Sec preview time
- Exposure cycle time: Wired mode 10sec, wireless mode 12 sec
- ISS conversion Method improves DQE & MTF significantly
- Possibility to choose between wireless and wired mode

FUJIFILM FDR AcSelerate

Technology	*Amorphous selenium (a-Se), direct conversion*
	two fixed (a-SE), Resolution 150 µm, 2880 x 2880 pixel
Detector	*Third panel optional, wired or wireless*
Size	*43,2 cm x 43,2 cm, optional panel: 35 cm x 43 cm*

Highlights
- 2 sec image preview
- 4 sec interval exposure time
- Fully automated functionality as standard
- Auto-Positioning, Auto-Tracking
- Auto-Collimation, Auto-Filtering
- Stitching option
- Higher DQE and excellent MTF

FUJIFILM FDR D-EVO Suite

Technology	*ISS indirect conversion method*
Resolution	*150 µm, 2304 x 2880 pixel*
Size	*38,4 cm x 46,0 cm x 1,4 cm (W x D x H)*

Highlights
- 2 sec image preview
- 10 sec interval exposure time
- Lightweight ceiling suspension universal flat panel x-ray room
- Motorized floating top table, max. 250 kg patient load
- Motorized vertical tube
- ISS conversion Method improves DQE & MTF significantly
- X-Con connection

GE Healthcare Brivo DR-F

Technology	*GOS*
Resolution	*2022 x 2022 pixels, 14 bits*
Size	*41 x 41 cm*

Highlights
- General purpose digital radiographic system
- Improved workflow
- Robust
- Compact
- High reliability
- Easy-to-use
- Auto tracking

Wireless Digital Radiography. Feel the Freedom.

The more diverse your requirements, the more the CXDI-70C Wireless system has to offer. Experience it for yourself and find out why taking high-quality X-ray images is so easy with the innovative CXDI-70C Wireless system from Canon. Delivering the best image quality with lowest X-ray dose our wireless, digital radiography system supplies perfect results without the need for any detector cables. Providing you with a new level of flexibility.

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booth number 105

Digital Radiography System
CXDI-70C Wireless

Canon

canon-europe.com/medical

GE Healthcare Definium 5000

Technology	*a-Silicon*
Resolution	*2022 x 2022 pixel, 14 bit*
Size	*41 x 41 cm*

Highlights
- Flexible DR solution with fast and proven detector technology
- Excellent image quality at low dose
- Easy to install and operate
- Seamless digital workflow
- Pasting optional

GE Healthcare Definium 6000

Technology	*a-Silicon*
Resolution	*2022 x 2022 pixel, 14 bit*
Size	*41 x 41 cm*

Highlights
- Fast and proven detector technology
- More flexibility with mobile »flying« detector
- Fully motorized wall stand
- OTS with vertical auto-tracking
- Optional Advanced Applications
- Seamless digital workflow
- Flexible configurations, including cost-effective 1-detector shared solution

GE Healthcare FlashPad wireless detector

Technology	*Cesium Iodide scintillator*
Resolution	*2022 x 2022 pixel, 14 bit*
Size	*41 x 41 cm*

Highlights
- Advanced Applications Capability
- Ultra Wide Band Communications
- High IQ, Low Dose
- Improved positioning
- More comfortable handling
- Advanced construction

GE Healthcare Discovery XR656

Technology	*Cesium Iodide scintillator*
Resolution	*2022 x 2022 pixel, 14 bit*
Size	*41 x 41 cm*

Highlights
- Excellent image quality
- Fully motorized tube suspension with Autopositioning
- Auto Field of View
- Advanced Applications: VolumeRAD, Dual Energy, Auto Image Pasting
- Four different configurations with FlashPad wireless detector

GE Healthcare DR Imaging option

Technology	*Cesium Iodide scintillator*
Resolution	*2022 x 2022 pixel, 14 bit*
Size	*41 x 41 cm*

Highlights
- Cost effective transition to digital for new systems and installed base
- Easy upgrade
- High image quality
- Interoperable

GMM Opera Swing

Technology	*Amorphous silicon photodiodes array*
Resolution	*148 µm*
Size	*43x43 cm*

Highlights
- Highly integrated all-in-one system ensuring enhanced exams in digital RAD and Fluoro procedures
- Extraordinary user-friendliness combined with operational efficiency in any application (Emergency, DA, IR, digital Tomosynthesis, etc.)
- Efficient execution of any exam either on the completely overhanging tabletop or in direct contact with the detector
- Easy and precise execution of lateral projections and oblique incidences also on stretchers
- Intelligent user interface integrating all the controls of the system components in a unique exclusive Touch Screen combined with a series of joysticks

GMM Opera RT20 "Guitar" and "Harp"

Technology *Amorphous silicon photodiodes array*
Resolution *139 µm*
Size *43 x 43 cm*

Highlights
- Radiographic unit with double digital detector for application versatility and full operational efficiency
- X-ray tube remarkable movement for the quickest and easiest execution of any exams and oblique incidences also stretchers
- Accurate full-length examination of the patient with no need for repositioning
- Total comfort for the patient and enhanced diagnostic results in any exam of the spine, thorax, legs, etc.
- Ease of installation in any diagnostics room thanks to the extremely compact structure and extraordinary suppleness

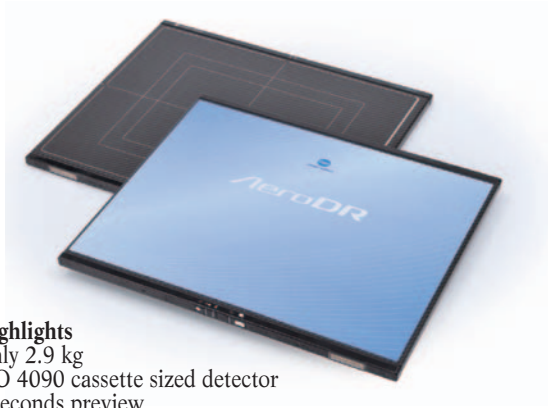
GMM Chorus

Technology *Amorphous silicon photodiodes array*
Resolution *139 µm*
Size *43 x 43 cm*

Highlights
- Integrated DR multifunctional system featured by an extremely flexible configuration and ultimate user-friendliness
- Efficient, rapid execution of routine and specialized exams
- Advanced automatic alignment of the X-ray source to the detector movement on both examination table and wall stand
- Examination table ensuring the utmost manoeuvrability and safe positioning
- Rapid and accurate execution of any oblique incidence on stretchered patients thanks to the tilting and rotating wall stand

Konica Minolta AeroDR

Technology *CsI Cesium Iodide Scintillator*
Resolution *175µm*
Size *35 x 43 cm cassette size*



Highlights
- Only 2.9 kg
- ISO 4090 cassette sized detector
- 3 seconds preview
- High DQE CsI detector
- Unique workstation software functions

Konica Minolta AeroDR X70

Technology *CsI Cesium Iodide Scintillator*
Size *35 x 43 cm cassette size*

Highlights
- Multiple configurations possible
- Light handling, servo tracking standard
- The ultimate workflow in combination with AeroDR
- In-room touch screen sub monitor
- Can be installed in rooms with a minimal height of 2,5 meter

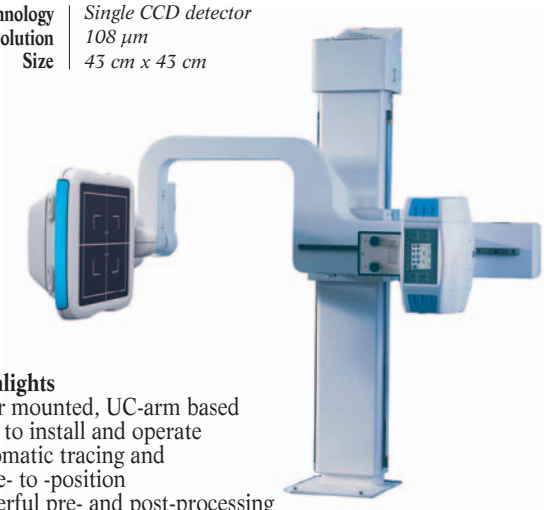
Landwind DR2800

Technology *Single CCD detector*
Resolution *108 µm*
Size *43 cm x 43 cm*

Highlights
- User-friendly design
- Dual touchscreen preview display
- Automatic tracing and move- to -position
- Powerful pre- and post-processing
- Cost-effective DR solution

Landwind DR2600

Technology *Single CCD detector*
Resolution *108 µm*
Size *43 cm x 43 cm*



Highlights
- Floor mounted, UC-arm based
- Easy to install and operate
- Automatic tracing and move- to -position
- Powerful pre- and post-processing
- Seamless network integration

Landwind DR2200U

Technology | *Single CCD detector*
Resolution | *108 µm*
Size | *43 cm x 43 cm*

Highlights
– Compact U-arm design
– New generation CCD detector
– Electronic APR function
– Comprehensive network compatibility
– Cost-effective and efficient DR resolution

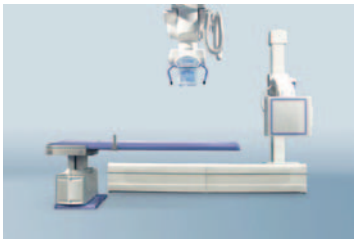
Landwind CCD Detector

Technology | *CCD*
Resolution | *108 µm*
Size | *43 cm x 43 cm*

Highlights
– Ergonomic design
– Large imaging area
– High spatial resolution
– High density resolution
– Reliable performace and stability

Mecall Eidos 3000

Technology | *Amorphous silicon photodiodes array*
Resolution | *143 µm*
Size | *43 x 43 cm*



Highlights
– Advanced DR system with advanced grid equipped with exclusive auto-focusing device
– Single detector for accurate execution of any kind of exam with no limitation even for stitching function
– Innovatory carbon-fiber tabletop ensuring 90° rotation for easy stretcher positioning
– Simple and quick installation also in small-dimension rooms even with ceilings of only 270 cm height from the floor
– Motorized movements ensuring full automated control of the whole system

Mecall Eidos RF 439

Technology | *Amorphous silicon photodiodes array*
Resolution | *148 µm*
Size | *43 x 43 cm*

Highlights
– State-of-the-art system with single removable grid with exclusive auto-focusing device
– Innovative completely overhanging carbon-fiber tabletop allowing examination of patient from any side
– Adjustable height-tabletop ensuring an extraordinary minimum distance from the floor of only 50 cm
– Ample variable Focal Distance
– Full-length patient examination in both vertical and horizontal position with Stitching function possibility

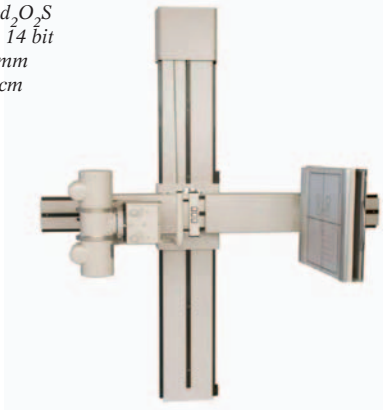
medigration DigiRoebs

Technology | *a-Si, CsI-Scintillator*
Resolution | *143 µm, 14 bit*
DQE @ 0 lp/mm 66 % typ.
at 3.2 µG RQA5
Size | *43 x 43 cm*

Highlights
– Excellent image quality
– Comfortable and efficient operation to optimize work flow
– Motorized, floor mounted X-ray robot for all exam techniques
– Real-time previews and fast cycle times
– User-friendly touch screen interface
– DICOM services: print, store, query/retrieve, MPPS, WL

medigration DigiRoebs basic

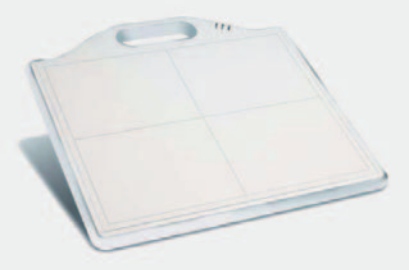
Technology | *CsI or Gd_2O_2S*
Resolution | *139 µm, 14 bit*
3,6 lp / mm
Size | *43 x 43 cm*



Highlights
– Universal X-ray stand for all general radiology examinations
– Swivel arm rotation: -45°- +135°
– Excellent price/performance ratio
– User friendly touch screen interface
– DICOM services: print, store, query/retrieve, MPPS, WL

medigration DigiRoebs wireless

Technology	*a-Si, Csl-Scintillator*
Resolution	*144 µm, 16 bit*
	DQE @ 0 lp/mm 66% typ. at 2 µG RQA5
Size	*35 x 43 cm*



Highlights
- Digital Radiography: The Next Generation
- High-quality digital images
- Real-time previews (3 sec.) and fast cycle times
- Easy integration in existing radiography systems
- User-friendly touch screen interface
- DICOM services: print, store, query/retrieve, MPPS, WL

medigration DigiRoebs 3D

Technology	*a-Si, CsI-Scintillator*
Resolution	*144 µm, 16 bit (wireless), 143 µm, 14 bit (fix)*
Size	*35 x 43 cm (wireless), 43 x 43 cm (fix)*

Highlights
- Digital radiography solution with two flat panel detectors (two wireless portable, or optional one build in and one wireless)
- Real-time image processing within a few seconds (preview in 3 sec.)
- Motorized, smooth-running telescopic ceiling stand
- Single touch screen console controls generator
- Superior image quality and contrast detail with medigration „HARMONY“ image processing, incl. stitching for „long-leg“ images
- DICOM services: print, store, query/retrieve, MPPS, WL

Mindray DigiEye 560

Detector Technology	*FPD*
Resolution	*143 µm*
Detector Size	*43 cm x 43 cm*

Highlights
- Versatile performance with compact U-arm design
- Extraordinary flexibility makes the system ideal for different position
- High image quality with a low X-ray dose
- Intelligent·automatic image processing software system
- Seamless connect to the DICOM

Mindray DigiEye 760

Detector Technology	*FPD*
Resolution	*143 µm*
Detector Size	*43cm x 43cm*

Highlights
- Completely automatic and intellegent system
- Pre-install 1,000 different examine programmes
- Full function workstation,one-step to digital
- Panoramic imaging system
- High image quality with low x-ray dose

OR Technology Amadeo

Technology	*CsI scintillator*
Resolution	*143 µm*
Size	*43 x 43 cm*

Highlights
- complete system includes all the necessary components for digital X-ray imaging
- components: U-arm system, generator, flat panel, PC, X-ray table and the *dicomPACS®DX-R* acquisition and diagnostic software
- User-friendly: All the necessary adjustments can be made from one single control console

OR Technology Medici

Technology	*Gadox or CsI scintillator*
Resolution	*139 µm*
Size	*36 x 43 cm, 43 x 43 cm*

Highlights
- Retrofit solution: available for almost any existing X-ray system
- Various makes and sizes of flat panels allow individual configuration of the system
- dicomPACS DX-R X-ray acquisition software can be operated intuitively via touchscreen
- Professional image processing and integrated multimedia radiographic positioning guide

OR Technology Leonardo DR 1210P

Technology	*CsI scintillator*
Resolution	*127 µm*
Size	*26 x 33 cm*

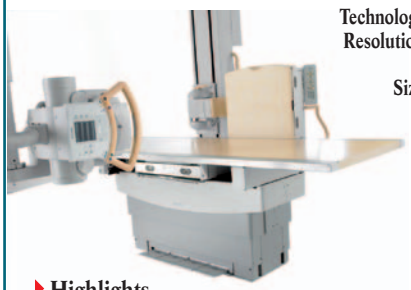
Highlights
- Portable system for mobile X-ray imaging
- Provides all necessary components in one suitcase, including flat panel, notebook, dicomPACS DX-R X-ray acquisition soft ware and cables
- Flat panel with a low weight of 3.4 kg

OR Technology Leonardo DR 4336R

Technology	*Gadox or CsI scintillator*
Resolution	*139 µm*
Size	*36 x 43 cm*

Highlights
- Portable system for mobile X-ray imaging
- Provides all necessary components in one suitcase, including flat panel, notebook, dicomPACS®DX-R X-ray acquisition software and cables

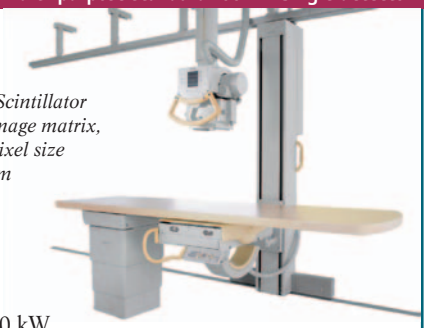
Philips DigitalDiagnost High-performance room – Dual detector



Technology	*a-Si, CsI-Scintillator*
Resolution	*3k x 3k image matrix, 143 µm pixel size*
Size	*43 x 43 cm*

Highlights
- 50 kW, 65 kW or 80 kW
- Easy switch from table to chest exams with two detectors
- Automated functions such as auto collimation and move-to-position
- Optional wireless portable detector and PCR integration
- Easy orthopedic imaging with automatic image acquisition and stitching
- Vertical stand (moveable or fixed) with integrated detector, digital bucky table with integrated detector and ceiling-based tube carrier

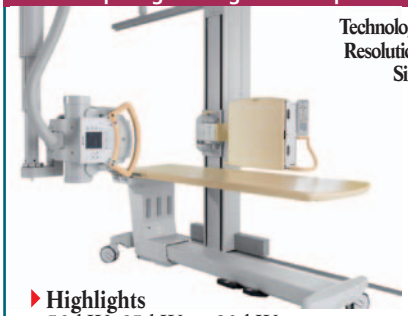
Philips DigitalDiagnost Multi-purpose standard room – Single detector



Technology	*a-Si, CsI-Scintillator*
Resolution	*3k x 3k image matrix, 143 µm pixel size*
Size	*43 x 43 cm*

Highlights
- 50 kW, 65 kW or 80 kW
- Versatile single detector room for medium to high patient load
- Extended move-to-position functionality
- Easy orthopedic imaging with automatic image acquisition and stitching
- Moveable multi-purpose stand with swiveling c-arm and integrated detector, ceiling-based tube carrier and single side suspended table
- Optional wireless portable detector and PCR integration
- Optional swiveling table for better accessibility

Philips DigitalDiagnost Compact room – Single detector

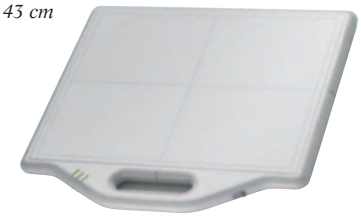


Technology	*a-Si, CsI-Scintillator*
Resolution	*3k x 3k image matrix, 143 µm pixel size*
Size	*43 x 43 cm*

Highlights
- 50 kW, 65 kW or 80 kW
- For multi-purpose use and medium workflow requirements
- Often used as chest room which also serves as back-up general DR room
- Tracking and move-to-position
- Fixed multi-purpose stand with swiveling c-arm and integrated detector, ceiling-based tube carrier plus height adjustable trolley
- Optional wireless portable detector and PCR integration
- Easy orthopedic imaging with automatic image acquisition and stitching

Philips DigitalDiagnost with wireless portable detector

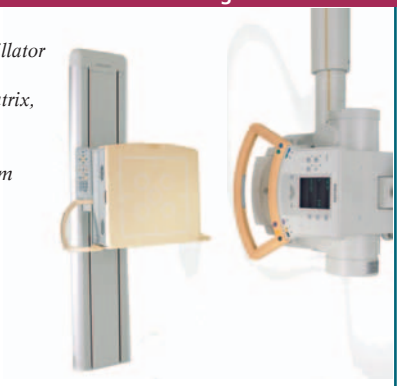
Technology	*a-Si, CsI-Scintillator*
Resolution	*3k x 2.4k image matrix, 144 µm pixel size*
Size	*35 x 43 cm*



Highlights
- The wireless portable detector is available as an additional detector for all DigitalDiagnost single and dual detector configurations
- More flexibility: The wireless portable detector carries out even the most difficult projections projections at table, patient bed, wheelchair or trolley
- More efficiency: Smooth digital workflow with instant results at the Eleva workspot
- More freedom: Convenient handling and high hygienic standards thanks to the wireless detector's cable-free design
- Optional wireless portable detector and PCR integration

Philips DigitalDiagnost Chest room – Single detector

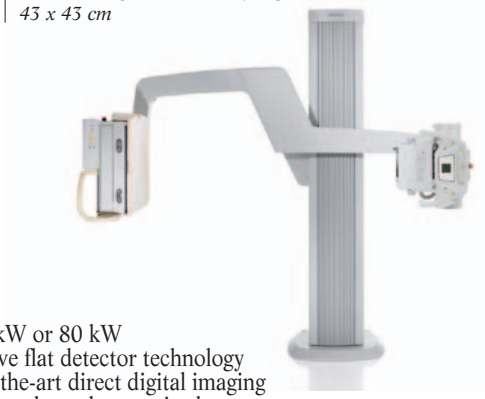
Technology *a-Si, CsI-Scintillator*
Resolution *3k x 3k image matrix, 143 µm pixel size*
Size *43 x 43 cm*



Highlights
- 50 kW, 65 kW or 80 kW
- Highly automated workflow with workstation controlled collimation, asymmetric beam alignment, automatic tracking
- Extended application range for skeletal examinations with tiltable vertical stand
- Optional wireless portable detector and PCR integration

Philips Essenta DR

Technology *a-Si, CsJ-Scintillator*
Resolution *3k x 3k image matrix, 143 µm pixel size*
Size *43 x 43 cm*



Highlights
- 50 kW, 65 kW or 80 kW
- Cost-effective flat detector technology for state-of-the-art direct digital imaging
- Easy handling through motorized movements
- Tiltable detector and rotatable tube for unlimited patient positioning incl. free cassette exposures
- Floor-mounted, u-arm based

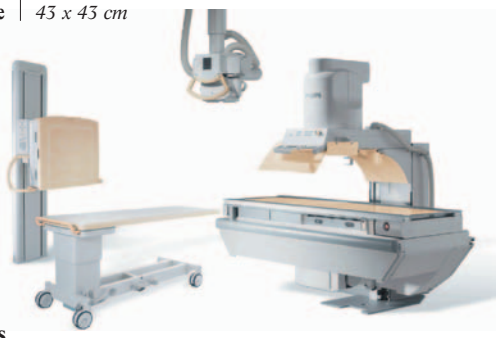
Philips Essenta DR Compact

Technology *Quantmaster, High Stability Scintillator (GoS)*
Resolution *Matrix: 1920 x 2367*
Size *35 x 43 cm (14" x 17"), rotatable*

Highlights
- 50 kW, 65 kW or 80 kW
- affordable price with low cost of ownership
- Affordable handling through counterbalanced movements
- Fits into very small rooms (height 2,50 m)
- Floor-mounted, u-arm based

Philips DRF room solution

Technology *a-Si, CsI-Scintillator*
Resolution *3k x 3k image matrix, 143 µm pixel size*
Size *43 x 43 cm*



Highlights
- Maximized room utilization with high-quality digital radiography and fluoroscopy applications in just one room
- Filmless workflow with DR technology for high throughput
- Excellent image quality with UNIQUE image processing and DoseWise concept
- One room for all types of patients from infants to obese adults

Philips DigitalDiagnost Emergency room – Wireless detector

Technology *a-Si, CsI-Scintillator*
Resolution *3k x 2.4k image matrix, 144 µm pixel size*
Size *35 x 43 cm*

Highlights
- 50 kW, 65 kW or 80 kW
- For emergency rooms with high patient load
- Combines the wireless portable detector with ceiling suspended tube
- Smooth digital workflow with instant results in DR image quality saves time and deliver optimal image quality that enables quick decisions in time critical environments
- Accessories like detector holders make procedures easier and faster
- Allows easy stretcher movements and access to life support devices
- Optional PCR integration

Protec Rapixx 43 WiFi DR-System

Technology *CsI*
Resolution *144 µm*
Size *36 x 43 cm*

Highlights
- 16 bit dynamic range
- Wireless system connection (WiFi)
- Portable and easy to handle: 4,8 kg
- Images in 3 sec. result in high productivity
- Versatile and robust design for long lifespan
- Simple integration and upgrade into existing conventional X-ray units
- Outstanding flexibility: close at hand, close at patients, just one panel required for bucky table and wall integration
- Docking station, interface box, power supply and CONAXX image acquisition software included in standard delivery
- Fully DICOM compatible for integration to PACS

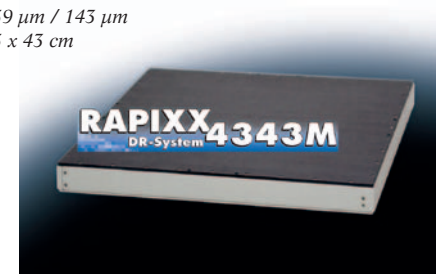
Protec Rapixx 4336M DR-System

Technology	*Gd2O2 or CsI*
Resolution	*139 µm*
Size	*36 x 43 cm*

Highlights
- 16 bit dynamic range
- Cable connection
- Lightweight: 3,6 kg
- Minimal cycle time: 8 sec.
- Predestined for simplest retrofitting of existing X-ray units due to dimensions equal to conventional X-ray cassette
- High shock tolerance and water resistant portable flatpanel detector
- Interface box, power supply and CONAXX image acquisition software included in standard delivery
- Fully DICOM compatible for integration to PACS

Protec Rapixx 4343M DR-System

Technology	*Gd2O2 or CsI*
Resolution	*139 µm / 143 µm*
Size	*43 x 43 cm*



Highlights
- 16 bit dynamic range
- Cable connection
- Weight: 7,5 kg – 16 kg
- Minimal cycle time: 6 sec.
- 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 image acquisition software included in standard delivery
- Fully DICOM compatible for integration to PACS

Provotec PEDS 600

Design	*Floor-wall mounted*
Table	*Prognost XP series, optional*
Power	*40, 50, 65 or 80 kW*

Highlights
- DR-System with dig. flat panel detector
- Variable SID 120 – 180 cm
- Rotatable u-arm 360°
- Rotatable DR-detector

Shimadzu RADspeed safire

Technology	*Direct-conversion flat panel detector (a-Se)*
Resolution	*3.3 lp/mm*
Size	*17“ x 17“ (43 x 43 cm)*

Highlights
- Superior image quality
- 2880 x 2880 pixel; 16 bit dynamic range
- Parameter setting next to the patient
- Up to 400 application programs
- Auto-positioning function
- Automatic tracking function

Shimadzu Shimadzu RADspeed DR

Technology	*Flat panel detector (a-Si)*
Resolution	*160 microns pixel pitch*
Size	*17“ x 17“ (43 x 43 cm) / 14“ x 17“ (35 x 43 cm) / 9“ x 11“ (23 x 28 cm)*

Highlights
- Flexible choise of different flat panel detectors
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration

Shimadzu Shimadzu RADspeed DR wireless *

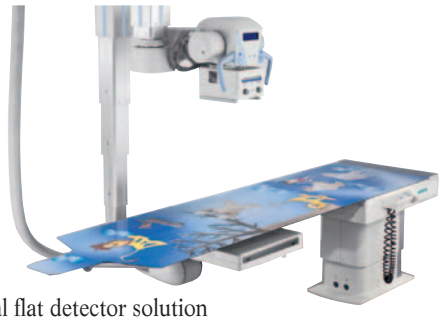
Technology	*Flat panel detector (a-Si)*
Resolution	*125 microns pixel pitch*
Size	*14“ x 17“ (35 x 43 cm)*

Highlights
- New generation with wireless flat panel detector
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration

* system configuration available in selected countries only

Siemens Axiom Aristos FX Plus

Technology	*Amorphous-Silicon with Cesium Iodide scintillator*
Detector	*143 µm, 3k x 3k, 14 bit*
Size	*43 x 43 cm*



Highlights
- Universal digital flat detector solution
- Fully-automated system positioning via organ programs
- Tube and detector independently mounted on the ceiling
- Auto tracking of X-ray tube and detector in x-, y- and z-direction
- Automated ortho acquisition of entire spine and long legs
- Excellent detail contrast with DiamondView

Siemens Axiom Aristos VX Plus

Technology	*Amorphous-Silicon with Cesium Iodide scintillator*
Detector	*143 µm, 3k x 3k, 14 bit*
Size	*43 x 43 cm*

Highlights
- Digital flat detector solutions for chest and skeletal applications
- Auto tracking in the vertical direction
- Comprehensive control of parameters via organ programs
- TOP alignment of X-ray field for dose reduction
- Automated ortho acquisition of entire spine and long legs

Siemens Axiom Multix M

Technology	*Amorphous-Silicon with Gadolinium Oxysulfide scintillator*
Detector	*160 µm, 2688 x 2208 pixel*
Size	*35 x 43 cm*

Highlights
- Universal digital radiography solution with mobile flat detector
- Flexible and easy handling – positions just like a cassette
- Electronic tomography possible (option)
- Ceiling-mounted and floor-mounted solutions available

Siemens Axiom Vertix MD Trauma

Technology	*Amorphous-Silicon with Cesium Iodide scintillator*
Detector	*160 µm, 2688 x 2208 pixel*
Size	*35 x 43 cm*

Highlights
- Digital radiography solution with mobile flat detector
- Ceiling-mounted u-arm for maximal flexibility
- X-ray tube is constantly centered to flat detector in all planes
- All exposures with one detector, in or out of the holder
- Fast image preview available within 5 seconds

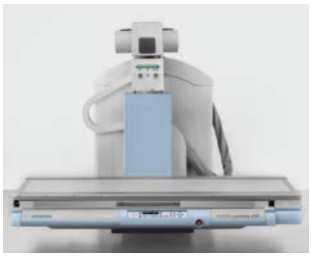
Siemens Ysio

Technology	*Amorphous-Silicon with Cesium Iodide scintillator*
Detector	*Fixed detector (148 µm), 14 bit*
	Wireless detector, wi-D with (144 µm), 16 bit
Size	*43 x 43 cm*
	35 x 43 cm

Highlights
- Flat detector, digital radiography (DR) solutions
- Choice between fully automated or fully synchronised systems
- Digital flat detectors with newest detector technology
- Ceiling-mounted tube with MaxTouch – a color touchscreen- for enhanced workflow
- Automated system positioning and synchronised tracking of X-ray tube and detector in different planes
- Excellent detail contrast with DiamondView Plus

Siemens Axiom Luminos dRF

Design	*Remote-controlled 2-in-1 system with dynamic flat detector*
Technology	*Amorphous-Silicon with Cesium Iodide scintillator*
Resolution	*Up to 3.4 lp/mm*
II-format	
Image system	
Size	*43 x 43 cm*



Highlights
- Fully digital 2-in-1 solution for dynamic and static high-resolution imaging including DSA procedures (option)
- Easy patient transfer at 48 cm lowest table height
- Dynamic Density Optimization (DDO) and DiamondView Plus
- FLUOROSPOT Compact high-resolution digital imaging system with intuitive user interface and DICOM 3.0 interfaces
- Comprehensive CARE dose reduction package
- Limitless projection flexibility with optional ceiling-suspended tube and wireless detector wi-D

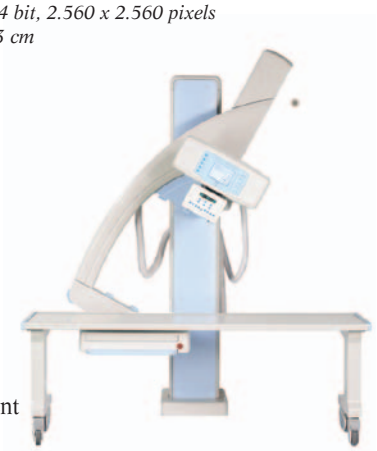
Siemens Multix Swing mFD

Technology	*Amorphous-Silicon with Oxysulfide scintillator*
Detector	*160 µm*
Size	*2688 x 2208 pixel*
	35 x 43 cm

Highlights
- Cost-efficient, all-in-one DR solution with mobile Flat Detector
- Flexible positioning of mobile detector in table, wall stand and for free exposures
- Generator is integrated into the table for minimal space requirements
- Accomodates wide range of exams for cost-conscious digital imaging
- Synchronized tube and bucky tray movements

Tetenal Vidix U (Universal Type)

Technology	*a-Se (amorphous Selenium)*
Resolution	*168 µm, 14 bit, 2.560 x 2.560 pixels*
Size	*43 cm x 43 cm*



Highlights
- User friendly - Easy - Reliable - Efficient
- Low radiation
- Full auto positioning
- Interchangeable grid
- Anti-collision system

Tetenal Vidix S (Single Type)

Technology	*a-Se (amorphous Selenium)*
Resolution	*168 µm, 14 bit, 2.560 x 2.560 pixels*
Size	*43 cm x 43 cm (17“ x 17“)*

Highlights
- Low radiation
- Preview function
- Automatic tracking funktion
- Immediattely ready without preliminary lead time
- Entry area for bucky table is very low

Tetenal Vidix II (Dual Type)

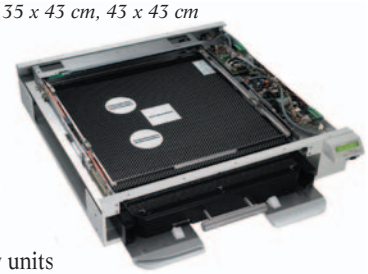
Technology	*a-Se (amorphous Selenium)*
Resolution	*168 µm, 14 bit, 2.560 x 2.560 pixels*
Size	*43 cm x 43 cm (17“ x 17“)*

Highlights
- Improved workflow and working time (fast image acquisition)
- High image quality (excellent dynamic range)
- Decrease of x-ray dose
- Cost-efficient
- Low radiation

CR/DR MOBILE

Valmex X Store DR

Technology	*Selenium type direct conversion detector or Cesium Iodide-Scintillator detector*
Resolution	*From 129 µm up to 168 µm pixel size*
Size	*20 x 25 cm, 35 x 43 cm, 43 x 43 cm*



Highlights
- Plug&Ray Bucky System for existing x-ray units
- Slim form factor – portable or stationary type
- High frame rate with up to 225 exposures per hour
- Dynamic bandwidth – one exposure for all purposes
- Moving pendulum grid to exclude artificial grid suppression for better diagnosis

X Store Image Viewer acquisition Software
X Store Generator Software
X Store PACS Software

Agfa DX-D100

Technology	*CsI*
Resolution	*139 µm*
Size (Detector)	*42,7 x 36,5*

Highlights

Mobile DR Solution
- Ergonomic and solid design for mobile use
- Easy operation, security and precision of all patientrelated positioning movements
- MUSICA2 processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- High effective generator power
- Fully motorized, with superior battery capacity due to split battery concept

FUJIFILM FCR Go2

Power	*32 kw*
kV Range	*40 – 130 kV in 1kv steps*
mAs Range	*0,5 – 320 mAs*

Highlights
- Flexible & high performance portable digital x-ray unit
- 15" colour LCD touch screen
- Various cassettes sizes available
- Lightweight and compact, drive as you like it
- DICOM compliant
- Wireless built in
- Easy positioning with telescopic arm
- For use in every department, even ICU and OR

GE Healthcare Definium 700

	AMX 700
Detector	*a-Si*
Resolution/Size	*2022 x 2022 pixel, 41 x 41 cm*
Power	*12.5 kW*
kV Range	*50 – 125*
mAs Range	*0.4 – 320*

Highlights
- Increased image consistency through detector performance
- Automatic and fast image processing
- DICOM connectivity for digital workflow
- Unique column rotation
- Excellent maneuverability with motor drive

Landwind DR200Mate

Power	*20/30 kW*
kV-Range	*40 - 150 kV*
mAs-Range	*0.5 - 200 mAs*

Highlights
- Optimized clinical workflow
- Outstanding operability
- Efficient APR function
- Fast bedside imaging
- Full Dicom compatible

Landwind DR200M

Power	*20 kW*
kV-Range	*40 -150 kV*
mAs-Range	*10 - 500 mAs*

Highlights
- Compact design, easy to move
- Integrated flat detector technology
- Easy to position with telescopic arm
- Instant bedside imaging
- Easy pre- and post- processing

Shimadzu MobileDaRt Evolution

Detector	*CsI or GOS*
Resolution	*160 micron pixel pitch*
Power	*32 kW*
kV Range	*40 - 133*
mAs Range	*0.32 - 320*

Highlights
- 4 different FPDs of different size (17" x 14" and 11" x 9") and different sensitivity (CsI and GOS) available
- Dual connectivity of FPD for maximum efficincy
- X-ray images within 3 seconds
- Easy and advanced operating functions
- Fully DICOM compliant
- WLAN connectivity

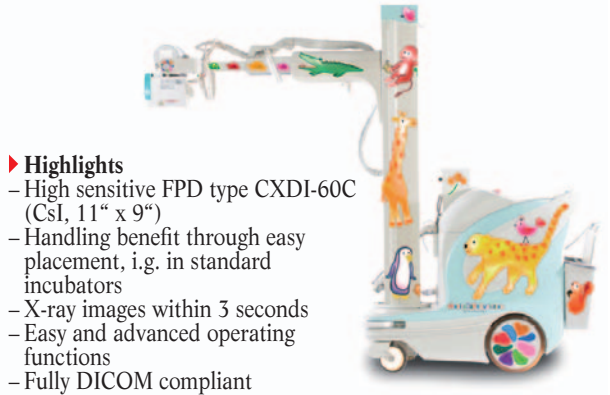
Shimadzu MobileDaRt Evolution wireless

Detector	*CsI*
Resolution	*125 micron pixel pitch*
Power	*32 kW*
kV Range	*40 - 133*
mAs Range	*0.32 - 320*

Highlights
- New high-sensitive FPD generation CXDI-70C wireless
- Large imaging area of 17" x 14"
- X-ray images within 3 seconds
- Easy and advanced operating functions
- Fully DICOM compliant
- WLAN connectivity

Shimadzu MobileDaRt Evolution pediatric

Detector	*CsI*
Resolution	*160 micron pixel pitch*
Power	*32 kW*
kV Range	*40 - 133*
mAs Range	*0.32 - 320*



Highlights
- High sensitive FPD type CXDI-60C (CsI, 11“ x 9“)
- Handling benefit through easy placement, i.e. in standard incubators
- X-ray images within 3 seconds
- Easy and advanced operating functions
- Fully DICOM compliant
- WLAN connectivity

Siemens Mobilett XP Digital

Detector	*a-Si*
Resolution	*2688 x 2208 pixel*
Power	*30 kW*
kV Range	*40 – 133*
mAs Range	*0.32 – 360*

Highlights
- Integrated flat detector for fully digital imaging
- Instant bedside imaging
- Direct organ selection program
- Fully DICOM compatible
- WLAN connectivity for improved workflow

CR/DR ACCESSORIES

Technix TMS 300 RDR

Detector	*a-Si receptor type + GOS conversion screen*
Resolution	*139 µm*
Power	*30 kW*
kV Range	*40-125 kV*
mAs Range	*0.2-220 mAs / 0.2-110 mAs*
	UPS version

Highlights
- Easy maneuverable digital unit for fast bedside imaging
- Dual focal spot (0.8 / 1.3 mm) for multipurpose application
- Anatomical programs - Dose reduction
- Flat panel detector technology for high quality images and immediate results examination
- Touchscreen user interface
- Full DICOM connectivity + WLAN

IAE RTC 600

Rotating anode graphite X-ray tube, specifically designed for remote controlled tables and digital systems

Highlights
- High anode heat storage for repeated loading
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- Ground glass window for consistent HVL
- Variety of available housings allows flexible systems configurations

IBA Dosimetry DIGI-13

Test device for checking image quality parameters at digital radiographic units

Highlights
- Compact device with separated Al pre-attenuator
- With integrated copper plate
- Check of homogeneity, spatial and contrast resolution, size of the radiation field, artefacts
- Easy-to-use

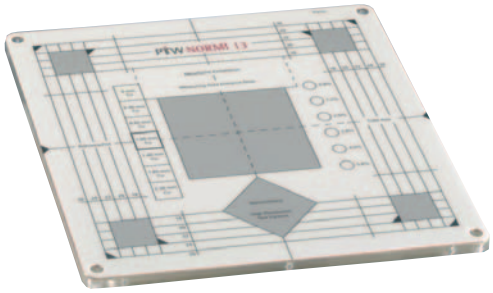
IBA Multimeter MagicMax

Simultaneous measurement of dose, dose rate, exposure time, kV, dose/pulse, pulse rate, HVL and total filtration

Highlights
- Small device with separate multifunction detector
- Connected via USB to PC or Notebook
- Intuitive use via PC interface
- Time resolution: 100 µs
- Optimized solutions for all applications

PTW Normi 13

Test object for quality control of digital radiography X-ray units



Highlights
- Checks all imaging quality parameters (dynamic range, spatial resolution, low contrast, artefacts, radiation field, etc.)
- Convenient use at bucky units
- Patient equivalent absorber (Al or PMMA) included

Radcal ACCU-PRO

X-Ray Analyzer
Simultaneous dose, rate, time, kVp. HVL, filtration, mA/mAs, and more

Highlights
- Use for manufacturing, installation, QA, and service
- R/F, mammography, CT, dental, leakage
- Ion chamber and solid state sensor dosimetry
- Correctly measure AEC fluoro and filtered beams
- Remote control, waveforms, and archiving with XLPRO Software
- Compact, easy to use

Radcal RAPIDOSE

Rapid Measurements - with a super small footprinter detector

Highlights
- For Radiography, Fluoroscopy, Mammography and Dental.
- Simultaneous dose, rate, kVp, time, HVL, filtration and waveforms
- Customizable software and easy data analysis
- Display data and waveforms exactly as you wish
- Instant scope-type waveform analysis
- Data archiving and analysis using Excel

Radcal PDC-DAP/KAP verification meter

Highlights
- PDC (Patient Dose Calibrator)
- Use to calibrate DAP/KAP meters
- Measures and displays DAP/Rate and Dose/Rate
- Optical and radiographic alignment markers
- Simple to use with optional computer control

RTI Electronics Piranha

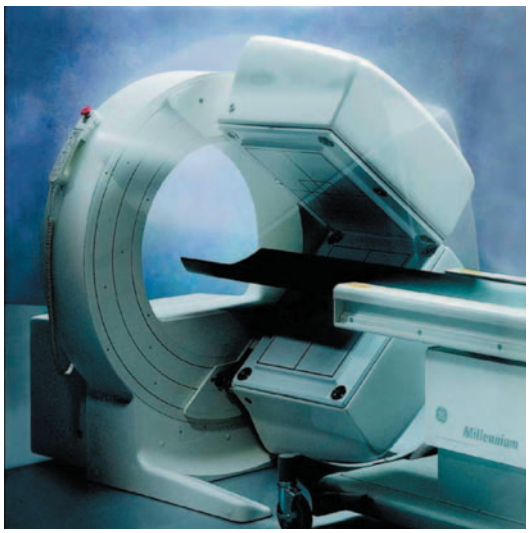
The Piranha is designed as a truly self-contained, all-in-one, X-ray multi-function meter that assures accurate results in one shot. kV, time, dose, dose rate, HVL and total filtration

Highlights
- Self-Contained, All-in-One
- Auto-Compensation
- R&F, Mammo, Dental and CT
- Quick and Simple Set-up
- Enhanced Graphical Display
- Built-In Bluetooth for PC and PDA
- mA, mAs, and Light Probes
- Fits in the Palm of Your Hand

RTI Electronics Barracuada

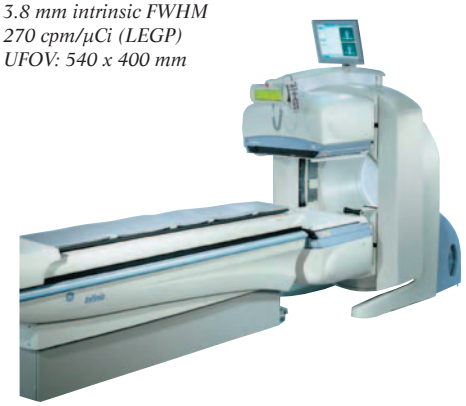
The Barracuda X-ray multimeter has a cabinet that can house up to six different application modules, and can measure on all modalities; R/F, mammography, flouroscopy, pulsed flouroscopy, dental, panoramic dental and CT systems

Highlights
- All in One, All at Once
- Auto-Compensation
- Enhanced Graphical PDA Display
- R&F, Mammo, Dental and CT
- Ionization Chambers
- Built-In Bluetooth for PC and PDA
- mAs, and Light Probes
- Fits in the Palm of Your Hand


Millennium

GE Healthcare Infinia

Resolution	*3.8 mm intrinsic FWHM*
Sensitivity	*270 cpm/µCi (LEGP)*
Field of view	*UFOV: 540 x 400 mm*



Highlights
- High performance variable dual head system
- Unmatched productivity – time saving up to 15 %
- Excellent clinical versatility & unlimited flexibility
- Advanced image quality
- High reliability and excellent serviceability

GE Healthcare Infinia Hawkeye 4

Resolution	*3.8 mm intrinsic FWHM*
Sensitivity	*270 cpm/µCi (LEGP)*
Field of view	*UFOV: 540 x 400 mm*

Highlights
- True integrated hybrid imaging system
- Four slice axial/helical CT scanning
- Superior image quality & flexibility
- Ultra low dose CT technology
- Leading economic value

GE Healthcare Ventri

Resolution	*3.7 mm intrinsic FWHM*
Sensitivity	*325 cpm/µCi (LEGP)*
Field of View	*UFOV: 370 x 190 mm*

Highlights
- Fixed angle dual head cardio system
- Designed for all patient sizes
- Uncompromized patient comfort
- Superior image quality
- Extreme small footprint & gantry size

GE Healthcare Discovery VCT XT

Resolution @ 1cm	*5.0 mm*
NECR @ 6 kBq/cc	*64 kcps*
Transaxial PET Field of View	*70 cm*

Highlights
- Volume CT inside
- Uncompromized between high sensitivity and resolution
- 5-beat cardiac CT angio
- Snapshot Pulse – 70% dose reduction for CT angio
- VUE point HD 3D iterative reconstruction

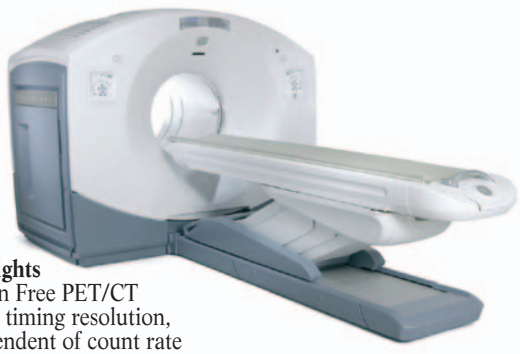
GE Healthcare Discovery 600

Resolution	*< 2mm (w. SharpIR)*
NECR @ 6 kBq/cc	*75 kcps @ 15 kBq/ml*
Transaxial PET Field of View	*70 cm*

Highlights
- Motion Free PET/CT
- Optimized for gated and dynamic PET- and CT-acquisitions
- VUE Point HD 3D iterative reconstruction
- IBM Blade Center for fastest reconstruction
- Highest NECR in clinical range

GE Healthcare Discovery 690

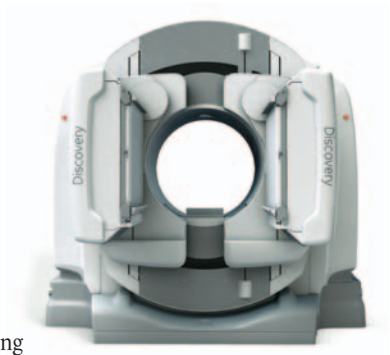
Resolution	*< 2mm (w. SharpIR)*
NECR @ 6 kBq/cc	*110 kcps @ 20 kBq/ml*
Transaxial PET Field of View	*70 cm*



Highlights
- Motion Free PET/CT
- Stable timing resolution, independent of count rate
- Time of Flight PET acquisition
- VUE Point HD 3D iterative reconstruction with time of flight information
- IBM Blade Center for fastest reconstruction

GE Healthcare Discovery NM/CT 670

Resolution	*3.7 mm intrinsic FWHM ***
Sensitivity	*270 cpm/uCi (LEGP) ***
Field of View	*UFOV 540 mm x 400 mm*



Highlights
- Combination of SPECT technology power with proven multi-slice CT
- advanced fusion imaging
- State-of-the-art Nuclear Medicine slim detectors
- Ultra-fast gantry robotics
- BrightSpeed Elite 16 slice CT

*FDA 510k cleared; EC declaration of conformity pending. ** preliminary data

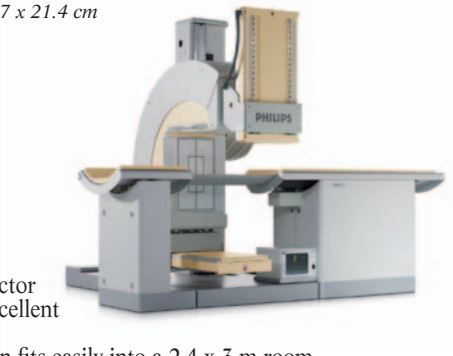
GE Healthcare Discovery NM 530c with Alcyone Technology

SPECT Acquisition Time	*2 min*
SPECT Resolution	*3.1 mm tangential*

Highlights
- Alcyone Technology
- four leading-edge technologies in nuclear imaging: CZT detectors, focused pinhole collimation, 3D reconstruction, and stationary data acquisition.
- increased diagnostic confidence and efficiency
- improved patient care with low dose and fast scans
- upgradeable
- no motion

Philips CardioMD

Resolution	*3.8 mm, FWHM intrinsic*
Sensitivity	*277 cpm/µm Ci (LEGP)*
Field of view	*37 x 21.4 cm*



Highlights
- Minimal patient-to-detector distance for excellent image quality
- Compact design fits easily into a 2.4 x 3 m room
- Fixed-90 dual head design and cardiac workflow are optimized for high throughput
- Comprehensive suite of cardiac image applications
- Vantage Pro clinically validated non-uniform attenuation correction

Philips BrightView

Resolution	*3.3 mm, FWHM intrinsic*
Sensitivity	*277 cpm/µm Ci (LEGP)*
Field of view	*40.6 x 54 cm*

Highlights
- Patient focus for an open experience with all patients and sizes
- Maximized image quality with CloseUp technologies
- Improved workflow efficiency, BodyGuard automatic contouring
- Rich in capability yet compact in design
- Scalable to match the capabilities with practice

Philips Gemini TF PET/CT – GXL PET/CT

	TF PET/CT
Peak NECR	*210 kcps*
PET Spatial Resolution	*4.3 mm*
CT Configuration	*16-slice or 64-channel*

	GXL PET/CT
Peak NECR	*70 kcps*
PET Spatial Resolution	*4.5 mm*
CT Configuration	*16-slice*

Highlights TF
- World's first commercially available time-of-flight PET/CT
- Fast scans (10 min) with low dose
- Premium Brilliance CT image quality & applications
- 190 cm PET/CT scan length
- Exclusive OpenView gantry design

Highlights GSL
- Fast scans (15 min) with low dose
- Fully 3D LOR PET reconstruction
- Premium Brilliance CT image quality & applications
- 190 cm PET/CT scan length
- Exclusive OpenView gantry design

Philips TF Big Bore PET/CT

CT Configuration | *16-slice*

Highlights
- Optimized for Radiation Oncology
- Brilliance CT Big Bore subsystem and exclusive PET TruFlight technology
- 85cm bore diameter to accommodate all positioning devices for radiotherapy planning.
- Compliant with the AAPM TG-66 standards for positional accuracy
- State of the art diagnostic image quality

Philips Precedence SPECT/CT

Resolution | *3.3 mm, FWHM intrinsic*
Sensitivity | *265 cpm/umCi (LEGP)*
Field of view | *38.1 x 50.8 cm*

Highlights
- Acquisition efficiency
- Reconstruction leadership
- Ease-of-use
- System efficiency
- Superior diagnostic CT image quality

Siemens c.cam

Resolution | *≤3.7 mm FWHM in UFOV*
Sensitivity | *290 cpm/µCi (LEAP at 10 cm at 140 keV)*
Field of view | *37 x 21.4 cm*

Highlights

Siemens cardiac SPECT system
- 1-day installation
- Small footprint
- Reclining position improves image quality
- Field upgradable to c.clear attenuation correction
- Fast return on investment

Siemens Symbia E

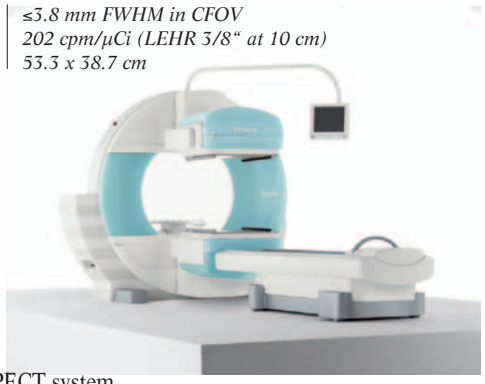
Resolution | *≤3.8 mm FWHM in CFOV*
Sensitivity | *202 cpm/µCi (LEHR 3/8“at 10 cm)*
Field of view | *53.3 x 38.7 cm*

Highlights

State-of-the-art SPECT system
- Siemens HD detectors with best-in-market NEMA sensitivity
- C.clear attenuation correction for higher diagnostic confidence
- 1/2 dose- or 1/2 time imaging
- Accommodates virtually every scan and every patient
- Broad software application spectrum

Siemens Symbia S

Resolution | *≤3.8 mm FWHM in CFOV*
Sensitivity | *202 cpm/µCi (LEHR 3/8“ at 10 cm)*
Field of view | *53.3 x 38.7 cm*

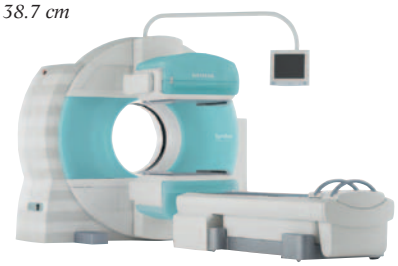


Highlights

Advanced SPECT system
- Upgradable to diagnostic SPECT•CT
- Siemens HD detectors with best-in-market NEMA sensitivity
- 5 minute cardiac scans / 4 times higher throughput
- Lower you injected dose by up to 75%
- Fully automated collimator changer and quality control save up to 19.5 hours per month

Siemens Symbia TruePoint SPECT•CT

Resolution | *≤3.8 mm FWHM in CFOV*
Sensitivity | *202 cpm/µCi (LEHR 3/8“ at 10 cm)*
Field of view | *53.3 x 38.7 cm*

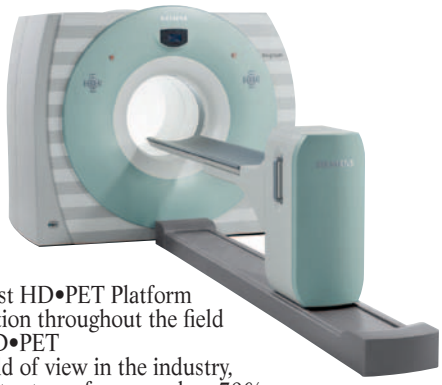


Highlights

Diagnostic SPECT•CT systems
- Higher diagnostic confidence with integrated 2-, 6- or 16-slice spiral CT
- More applications with diagnostic SPECT•CT
- Siemens HD detectors with best-in-market NEMA sensitivity
- 5 minute cardiac scans including calcium scoring / 4 times higher throughput
- Lower the injected dose by up to 75%
- Fully automated collimator changer and quality control save up to 19.5 hours per month

Siemens Biograph TruePoint PET•CT

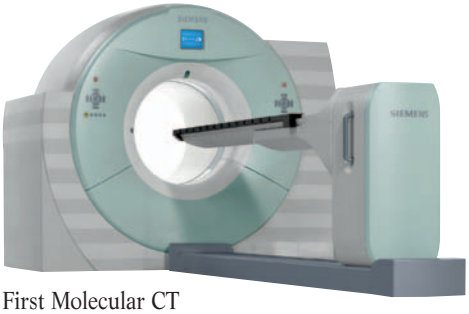
Resolution	*2.0 mm average FWHM at 1 cm (HD•PET)*
Sensitivity	*7.6 cps/kBq at 435 keV (TrueV)*
Field of view	*605 mm transaxial, 216 mm axial (TrueV)*



Highlights
- The World's First HD•PET Platform
- Uniform resolution throughout the field of view with HD•PET
- Largest PET field of view in the industry, increasing count rate performance by >70%
- Exceptional lesion detectability with the best NEMA spatial resolution in the industry

Siemens Biograph mCT

Resolution	*2.0 mm average FWHM at 1 cm (HD•PET)*
Sensitivity	*9.5 cps/kBq at 435 keV (TrueV)*
Field of view	*700 mm transaxial, 216 mm axial (TrueV)*

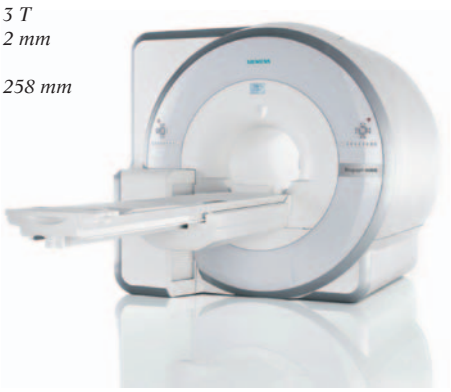


Highlights
- The World's First Molecular CT
- 5 minute whole-body PET•CT scans
- unprecedented throughput for true shared service capability in CT and PET
- Exceptional image quality
- More comfortable examinations
- Low patient doses

MOLECULAR IMAGING ACCESSORIES

Siemens Biograph mMR

Field	*3 T*
Resolution (NEMA)	*2 mm*
Axial FOV	*258 mm*



Highlights
- World's first simultaneous, whole-body molecular MR
- One fully integrated MR and PET system for simultaneous data acquisition from both modalities
- Obtain a comprehensive diagnostic picture with only one scan
- One exam- one room - one whole-body solution

Alliance Medical – flexible diagnostic imaging services

Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET/CT
- Interim services for bridging downtimes
- Regular „routing" services

IBA Dosimetry Dosimax plus A HV

Dosimeter for measuring simultaneously dose, dose rate, exposure time and dose length product

Highlights
- Designed according to IEC 61674
- For use with solid state detectors or ionization chambers
- For CDTI determination in combination with head and body phantom

PTW CT Dosimetry

Quality control equipment for CT dose measurements

Highlights
- Static diagnostic imaging centers MRI, CT, PET, PET/CT
- Interim services for bridging downtimes
- Regular „routing" services

RTI Electronics CT Dose Probe

The CT Dose Probe is designed to make CTDI measurement more exact and has also the ability to further analyze the result. Following parameters are achived from a single exposure:
CTDI100, CTDIvol, DCTIw, CT dose profile, DLP, Point Dose, Performance of the AEC, FWHM and Scatter Index.

Highlights
– All in One Shot
– Quick and Simple Set up
– Accurate and Sensitive
– No limitations due to the beam width

Tomovation – Modular building solutions

Highlights
– Engineering, rental, sale of modular buildings MRI, CT, PET, PET/CT including or excluding diagnostic equipment

AGFA HealthCare

BARCO Visibly yours

Carestream HEALTH

CPS

DOME by NDSsi

EIZO

FUJIFILM

iba Dosimetry

IMAGE Information Systems Ltd.

KONICA MINOLTA

medigration The Digital Company

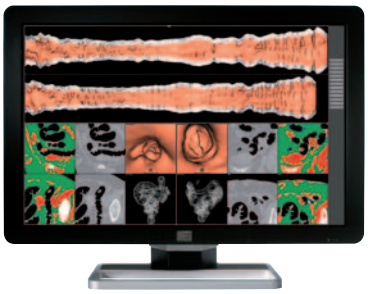
MITSUBISHI ELECTRIC Changes for the Better

TETENAL Medical Imaging Division

TOTOKU

Barco Coronis Fusion Family

Name	*Wide-screen diagnostic color display systems – Coronis Fusion Family*
Technology	*Color LCD*
Resolution	*4MP – 6MP – 10MP*
Size	*30 inch*



Highlights
- Bezel-free 30-inch desktop for multi-modality PACS imaging
- Unmatched viewing characteristics
- High-performance image processing
- Automated Quality Assurance
- 5-year warranty

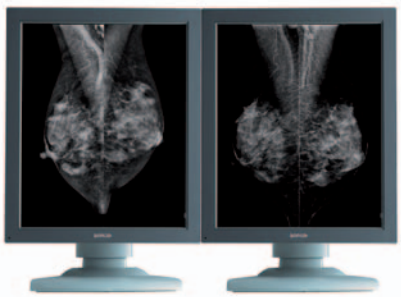
Barco Nio and Coronis family

Name	*Full range of diagnostic display system – Nio and Coronis family*
Technology	*Color and grayscale LCD*
Resolution	*2MP – 3MP – 5MP*
Size	*20 inch – 21 inch – 30 inch*

Highlights
- Full breadth of color and grayscale display systems
- Proven technology for long-term image confidence
- Fully transparent calibration and QA
- High-speed image processing
- 5-year warranty

Barco Coronis 5MP Mammo

Name	*Mammography display system - Coronis 5MP Mammo*
Technology	*Grayscale LCD*
Resolution	*5 MegaPixel (2048 x 2560)*
Size	*21 inch*



Highlights
- Pixel-perfect diagnostic precision
- Uniform luminance across the screen
- Ultra-fast image processing
- Transparent calibration and QA
- 5-year warranty

Barco MDRC series

Name	*Clinical review displays - MDRC series*
Technology	*Color LCD (Touchscreen options available)*
Resolution	*1MP – 2MP*
Size	*19 inch – 20 inch - 24 inch*

Highlights
- Providing consistent DICOM images anywhere, anytime
- Professional LCD Quality
- Approved for medical use
- Backlight output stabilization
- User-friendly Quality Assurance

Barco MDSC and HD series

Name	*Full range of endoscopic and surgical displays – MDSC and HD series*
Technology	*Color LCD (Touchscreen options available)*
Resolution	*1.3MP – 4MP - High Definition*
Size	*19 inch – 24 inch – 30 inch – 42 inch*

Highlights
- Full breadth of surgical and endoscopy displays
- High Definition image quality
- Smooth, artifact-free video images
- Easy cleaning and disinfection
- Approved for medical use

Barco ProScribe and CliniScape

Name	*Mobile point-of-care devices – ProScribe and CliniScape*
Technology	*Transmissive TFT LCD*
Resolution	*1024 x 768*
Size	*10 inch - 12 inch*

Highlights
- Easy-to-use touch screen interface
- ultra-portable grab and go devices
- robust, lightweight and sealed design
- instant wireless connectivity
- medical grade compliance

EIZO Digital Mammography Monitors

	Grayscale
10 MP	*RadiForce GX1030*
5 MP	*RadiForce GX530*

Highlights
- Compliant with DICOM Part 14
- Pre-calibrated gamma mode selection
- Luminance uniformity correction
- Fully automated luminance stability
- Clear and blue base models

EIZO Diagnostic Monitors

	Grayscale	Color
10 MP	*RadiForce GX1030*	
5 MP	*RadiForce GX530*	
4 MP		*RadiForce RX430*
3 MP	*RadiForce GX320*	*RadiForce RX320*
	RadiForce GS320	
2 MP	*RadiForce GX220*	*RadiForce RX220*
	RadiForce GS220	*RadiForce RS210*
1 MP	*SMD 19102*	*RadiForce RS110*

Highlights
- Compliant with DICOM Part 14
- Pre-calibrated gamma mode selection
- Luminance uniformity correction
- Fully automated luminance stability
- Wide range of graphics boards supported

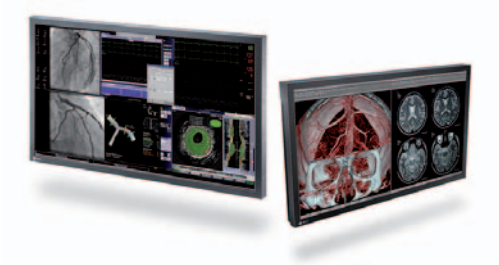
EIZO Clinical Review Monitors

	Color
4 MP Wide	*RadiForce MX300W*
2.3 MP Wide	*RadiForce MX241W*
	RadiForce MX240W
	RadiForce MX220W
2 MP Wide	*RadiForce MS231WT*
	RadiForce MS230W
2 MP	*RadiForce MX210*
1 MP	*RadiForce MX191*
	RadiForce MS170

Highlights
- More choice of widesreen monitors
- Compliant with DICOM Part 14
- Luminance uniformity correction
- Wide viewing angles
- Backlight saver

EIZO Surgical Monitors

	Color
56“ Wide	*RadiForce LS560W*
47“ Wide	*RadiForce LX470W*
19“	*SCD 19102*



Highlights
- Pre-calibrated gamma mode selection
- Fully automated luminance stability
- DICOM Part 14 compliant grayscale
- Wide range of signal inputs
- Flexible image arrangement

EIZO Endoscopy Monitors

	Color
24“ Wide	*RadiForce EX240W*
21“	*RadiForce EX210*
19“ Wide	*RadiForce EX190W*
15“	*RadiForce ES150*

Highlights
- Multiple video inputs
- Antimicrobial technology
- No ventilation slots on top
- Noise reduced and image sharpened
- 24C-DC powered
- CE medical device certificate

EIZO Surgical 8 MP Monitor System

Monitor	*RadiForce LS560W*
Large Monitor Manager	*LMM56800*
DVI Transmission Link	*TDL3600-QL*
Touch Console Monitor	*CID1000P*

Highlights
- Large screen area
- Flexible arrangement of source windows
- High reliability through redundant components
- Wide range of signal inputs
- Minimal picture delay
- Browser interface
- Lossless 36 meter video transmission

EIZO Surgical 4 MP Monitor System

Monitor	*RadiForce RX430*
Large Monitor Manager	*LMM0801-L*
Touch Console Monitor	*CID1000P*

Highlights
- Flexible arrangement of source windows
- Wide range of signal inputs
- Picture set selection thru local keyboard and mouse
- Keyboard / mouse application control
- Minimal picture delay
- Long product lifecycle

Image Displays cQ-2MP BASIC

Screensize	*20.1 inch*
MegaPixel	*2 MP*
Resolution	*1.600 x 1.200 Pixels*

Highlights
- Optimized for orthopedic surgeons and imaging centers
- Multiple video interfaces
- Picture-in-picture
- Perfect combination of high performance and affordable prices
- Available with color, grayscale and extra-bright grayscale panels

Image Displays cQ-3MP PRO

Screensize	*21.3 inch*
MegaPixel	*3 MP*
Resolution	*2.048 x 1.536 Pixels*

Highlights
- High-res medical diagnostic displays for professional users
- First medical displays worldwide including true 12-bit image grayscale transfer in the processing line
- Easy and fast installation; IMAGE DISPLAYS are calibrated twice before delivery
- Intelligent self-diagnosis function for precise luminance and DICOM calibration
- Excellent image quality even in light rooms

Image Displays cQ-5MP PRO

Screensize	*20.1 inch*
MegaPixel	*5 MP*
Resolution	*2.560 x 2.048 Pixels*

Highlights
- High-res medical diagnostic display for professional users
- Designed for Mammography readings
- Excellent image quality even in light rooms
- First medical displays worldwide including true 12-bit image grayscale transfer in the processing line
- Intelligent self-diagnosis function for precise luminance and DICOM calibration

Image Displays cQ-2in1

Screensize	
MegaPixel	
Resolution	

Highlights
- Revolutionary solution for the simultaneous assessment of two X-ray images on one 30” panel
- Outstanding magnified views with full quality
- No frameworks in-between when doing dual readings or viewing large images
- Homogenous color and grayscale across the whole display
- Highest performance in processing radiological and nuclear medical images

Dome E5 - by NDSsi

1 MP	–
2 MP	–
3 MP	–
4 MP	–
5 MP	*GS E5*

Highlights
- RightLight-guaranteed lifetime DICOM calibration
- Uncompromised, perfect image quality
- Diamond standard for high-end radiology and mammography
- Fanless display, lightweight, low-power
- High-bright 5 MP 10 -Bit grayscale display

Dome E2, E3 – by NDSsi

1 MP	–
2 MP	*GS E2*
3 MP	*GS E3*
4 MP	–
5 MP	–

Highlights
- RightLight-guaranteed lifetime DICOM calibration
- Uncompromised, perfect image quality
- Diamond standard for high-end radiology for X and general radiology
- Fanless display, lightweight, low-power
- High-bright 2 MP & 3 MP 10-Bit grayscale display

Dome E2cHB, E3cHB, E4c – by NDSsi

1 MP	–
2 MP	*E2colour*
3 MP	*E3colour*
4 MP	*E4colour*
5 MP	–

Highlights
- RightLight-guaranteed lifetime DICOM calibration
- High-Bright Diagnostic color displays
- Suitable for both grayscale and color images
- Uncompromised, perfect image quality
- Diamond standard for general radiology and color enhanced diagnostics
- Fanless display, lightweight, low-power
- High-bright 2 MP, 3 MP and 4 MP 10-Bit color display

Dome Dashboard – by NDSsi

Highlights
- Simplifies network display management in healthcare environment
- Monitor and maintenance console for multiple workstations
- Supporting Dome medical imaging displays and the Dome Cxtra software
- Operates within Windows framework
- Provides intuitive features and functions

Dome GX2MP – by NDSsi

Resolution	*MP Color*
Size	*20,1“*

Highlights
- High Quality 2MP color
- High-speed dual link DVI
- Suitable for primary diagnostics on CT, MRI and PET and for review on general X-ray
- Also suitable for RIS
- DICOM calibrated ‘out of the box’
- Fanless display, lightweight, low-power

Dome S3c – by NDSsi

1 MP	–
2 MP	–
3 MP	*E3colour*
4 MP	–
5 MP	–

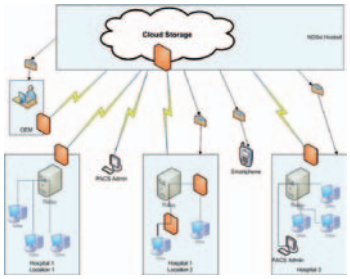
Highlights
- RightLight-guaranteed lifetime DICOM calibration
- High-Bright Diagnostic color displays
- Suitable for both grayscale and color images
- Uncompromised, perfect image quality
- Diamond standard for general radiology & color enhanced diagnostics
- Additional RightCheck sensors for remote conformance testing
- Fanless display, lightweight, low-power
- High-bright 3MP 10 –Bit color display
- Both DVI and displayport connection
- New, slim design with rotatable stand

Dome S10 – by NDSsi

Resolution	*10 MP*
Size	*30”*

Highlights
- RightLight-guaranteed lifetime DICOM calibration
- Uncompromised, perfect image quality
- Diamond standard for high-end radiology and mammography
- Fanless display, lightweight, low-power
- High-bright 5 MP 10-Bit grayscale display
- 10 megapixels in a 30” widescreen format
- True 10-bit high-resolution grayscale glass
- Improves workflow efficiency
- Allows images to be read at a faster rate
- Provides seamless side by side image comparisons
- Reduces panning and zooming
- Built in programmable quality assurance function

Dome CxtraWeb - by NDSsi



Highlights
- Offers web based management of Dome displays across the enterprise
- Increases productivity, reduces downtime +ensures consistent image quality
- REPORTING: Manages clinical and diagnostic workstations remotely, collects and summarizes data into organized, easy to understand reports, such as display conformance and asset management reports
- ACCESS: The straight forward, web based interface and accessibility provides a reliable software solution from anywhere
- RELIABILITY: Provides alerts for events that could disrupt display performance such as if a display is down or if conformance is not met
- COMPLIANCE: With its extensive data collection and Reporting system, maintaining compliance with regulatory requirements is effortless

Totoku Mammography Display

	Grayscale
15 MB	*MS51i2*

Highlights
- ISD Technologie to support »Super high resolution« of 15 megapixel
- Supports 5 megapixel videoboards thanks to ISD technologie
- Luminance uniformity correction
- Remote calibration and management
- New developed AR coating for an improved resolution
- Increased lifetime with backlight dimming system

Totoku Diagnostic Displays

	Grayscale	Color
5 MP	*ME551i2*	
3 MP	*ME351i2*	*CCL354i2, CCL352i2*
2 MP	*ME253i2, ME201L*	*CCL240, CCL254i2, CCL252i2, CCL208*
1 MP	*ME181L*	*CCL182*

Highlights
- Up to 5-years warranty
- High brightness color displays up to 800 cd/m²
- Luminance uniformity correction
- Remote calibration and management
- Up to true 11 bit grayscale
- Increased lifetime with backlight dimming system

Totoku ISD Displays

	Grayscale
3/9 MP	*MS31i2*
2/6 MP	*MS21i2*

Highlights
- ISD Technologie
- Luminance uniformity correction
- Remote calibration and management
- New developed AR coating for an improved resolution
- Increased lifetime with backlight dimming system

PRINTERS

Agfa HealthCare DRYSTAR 5503

Capacity	*100 films/h (14 x 17")*
Resolution	*508 dpi/50 µm pixelsize*
System	*Direct Digital Imaging*

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
- 3 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 HealthCare DRYSTAR 5302

Capacity	*75 films/h (14 x 17")*
Resolution	*320 dpi*
System	*Direct Digital Imaging*

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

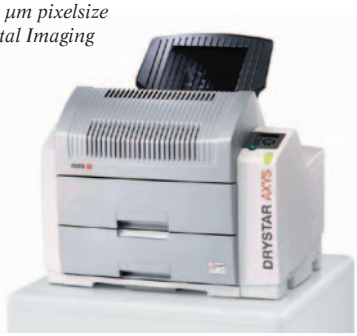
Agfa HealthCare DRYSTAR 5300

Capacity | *70 films/h (14 x 17“)*
Resolution | *320 dpi*
System | *Direct Digital Imaging*

Highlights
– Tabletop, next-to-application Direct Digital Imager
– Suitable for all applications and ideal for CT/MR
– Reliable, low maintenance printer
– A#Sharp image enhancement for excellent quality
– Very short access time ensures fast printing of small print jobs

Agfa HealthCare DRYSTAR 5302

Capacity | *75 films/h (14 x 17“)*
Resolution | *508 dpi/50 µm pixelsize*
System | *Direct Digital Imaging*



Highlights
– Flexible, tabletop imager delivering mammography-quality images
– Multi-application hardcopy solution
– Integrated A#Sharp technology for optimized image quality
– 2 multi-format trays, each supporting different film sizes and types
– Very short access time for extremely fast delivery of first four prints

CARESTREAM DRYVIEW 6850 LASER IMAGER

Printing Technology | *Photothermography (dry laser)*
Resolution | *High; 650 ppi (pixels per inch); 14 bit*
Capacity | *Up to 200 films per hour. 60 seconds to first print*

Highlights
– Compact, high performance, true-laser imager for CR/DR-to-print applications
– Digital Mammography printing is standard (3.3 Dmax standard up to 4.0 for mammo)
– 3 film sizes on line - daylight load DryView film cartridges with optional 5 bin film sorter
– Touchscreen display for user training and operational instructions
– Remote management services enable fast response

CARESTREAM DRYVIEW 5850 LASER IMAGER

Printing Technology | *Photothermography (dry laser)*
Resolution | *High; 508 ppi (pixels per inch)*
Capacity | *Up to 75 films per hour: (35 x 43cm). Smaller sizes faster. 80 seconds to first print*

Highlights
– Table-top true-laser imager with mammography capabilities
– Ideally suited for FFDM and CR-Mammography as well as traditional general radiography modalities
– Two film trays on line with a choice of five film sizes for on demand printing
– Dmax up to 4.0

CARESTREAM DRYVIEW 5800 LASER IMAGER

Printing Technology | *Photothermography (dry laser)*
Resolution | *Standard: 325 ppi (pixels per inch); 14 bit*
Capacity | *Up to 75 films/h (35 x 43 cm); first print available in 80 secs*

Highlights
– Mid performance, fully featured true-laser imager
– Tabletop design offers location/placement flexibility
– Provides 5 film sizes; load two film sizes in the imager for on-demand online printing
– Remote management services enable fast response
– Dicom SOP Classes supported
– General Radiography

CPS – Codonics Horizon XL

Speed | *100 sheets/h*
Capacity | *300 copies*
Resolution | *320 dpi – 126 cm spatial resolution, 4096 pixel contrast resolution, shades gray*
System | *Direct thermographic (grayscale) and dye-diffusion (color)*

Highlights
– 14“ x 36“ and 14“ x 51“ long dry film
– Perfect for scoliosis, long bone studies
– »True-size« imaging up to 51“ in length
– Saves space and eliminates wet film processing
– Also prints on standard sizes of film
– Low-cost grayscale paper and color paper

CPS – Codonics Horizon Ci / GS / SF

Highlights
- Read in room light with convenient grayscale or color paper (Ci, GS and SF)
- Outstanding image quality, prints on all standard sizes of clear/blue dry film
- Compact design with the fastest print speed in its class
- Economical sunrise express swap warranty provides a replacement imager
- Network printer with up to 24 DICOM connections, no additional hardware required
- Validated with all major OEMs, modalities, PACS and workstations

	Horizon Ci
Speed	*100 sheets/h*
Capacity	*300 copies*
Resolution	*320 dpi – 126 cm spatial resolution, 4096 pixel contrast resolution, shades gray*
System	*Direct thermographic (grayscale) and dye-diffusion (color)*

	Horizon GS
Speed	*100 sheets/h*
Capacity	*300 copies*
Resolution	*320 dpi – 126 cm spatial resolution, 4096 pixel contrast resolution, shades gray*
System	*Direct thermographic (grayscale)*

	Horizon SF
Speed	*100 sheets/h*
Capacity	*300 copies*
Resolution	*320 dpi – 126 cm spatial resolution, 4096 pixel contrast resolution, shades gray*
System	*Direct thermographic (grayscale) and dye-diffusion (color)*

CPS DICOM PaperPrint Server

	ColorQube 9201	WorkCentre 7545	WorkCentre 7425
Color Laser Printer			
Copier	*yes*	*yes*	*yes*
Scanner	*yes*	*yes*	*yes*
Paper sizes	*A3/A4 and many other*	*A3/A4 and many other*	*A3/A4 and many other*
Print resolution	*2400 x 2400 dpi*	*1200 x 2400 dpi*	*1200 x 1200, 1200 x 2400 dpi*
Printout	*color, black & white*	*color, black & white*	*color, black & white*

	Phaser 7760	Phaser 7500	Phaser 5550
Color Laser Printer	–	–	–
Copier	–	–	–
Scanner	*A3/A4 and many other*	*A3/A4 and many other*	*A3/A4 and many other*
Paper sizes	*1200 x 1200 dpi*	*1200 x 1200 dpi*	*1200 x 1200 dpi*
Print resolution	*color, black & white*	*color, black & white*	*black & white*
Printout			

Highlights
- Full DICOM 3.0 Basic Grayscale and Color Print Management
- Single licence for unlimited number of modalities and printers
- Individual header and footer including text and graphic logos
- Individual LUT in color and black&white for every modality, user and printer
- Print-Presentation-LUT
- full immediate online-support for printer , server and software by CPS
- Low average cost per page, about 1 cent in black&white and 8 cent in color

FUJIFILM DryPix Plus

Capacity	*up to 160 films/h*
Resolution	*100/50 micron is selectable for all sizes, 14 bits*
System	*Laser exposure thermal development system*

Highlights
- 3 daylight film trays
- 4 available film format from 20 cm x 25 cm up to 35 cm x 43 cm
- Optional 4 bin film sorter
- High resolution and density for mammography (Dmax = 4.0)
- Quick cold start time
- DICOM compatible
- Automatic density correction

FUJIFILM DryPix Prima

Capacity	*up to 70 films /h*
Resolution	*100 µm / 14 bit*
System	*Laser*

Highlights
- Tabletop laser printer
- 0,38 m^2 Footprint
- Support for 5 different film formats
- Fully DICOM compatible

Konica Minolta DryPro 832

Capacity | *90 films/h*
Resolution | *78,6 µm/12 bit*
System | *Laser*

Highlights
- Smallest laser imager
- Fastest time for first film print out (50 s)
- Ready for up to 2 film trays
- Support of 5 different film sizes

Konica Minolta DryPro 873

Capacity | *180 films/h*
Resolution | *43,75 µm*
System | *Laser*

Highlights
- Fast multi-modality printer for optimal performance
- High density printing for mammography – Dmax 4.0
- Fully DICOM compatible
- Ready for up to 3 film trays
- Optional sorter available

Konica Minolta DryPro 793

Capacity | *120 films/h*
Resolution | *43.75 µm/14 bit*
System | *Laser*

Highlights
- Central print solution for multi-modality environment
- Ready for up to 3 film trays
- Support 5 different film sizes
- Optional sorter available
- Supports mammography

medigration DICOM PaperPrint

Paper Sizes (max.) | *DIN A3, 11 x 17*
Resolution | *1.200 x 2.400 dpi (print), 600 x 600 dpi (copy)*
System | *Laser (optional: Scan, Fax)*

Highlights
- Supports all DICOM 3.0 modalities (e.g. CT, MRT, CR, DR, US, NUK etc)
- Supports one or more PostScript printers within the network
- General licence package (no restrictions on how many DICOM modalities are connected)
- Image header and footer customizable incl. physician logo
- Separate LUT (Look Up Table) for each printing system
- GSDF calibration according IHE

Mitsubishi Electric Printer P93E

Capacity | *Approx. 245 print roll, max. 923 sheets/h*
Resolution | *325 dpi/1280 x 600 (PAL/normal)*
System | *B&w video printer, direct thermal*

Highlights
- User-friendly settings with control switches
- Extremely compact dimensions and lightweight design
- Fast print speed due to BAS/FBAS, BNC connector
- 7 different picture formats
- Picture memory for 10 individually selectable frames

Mitsubishi Electric Printer CP30W

Capacity | *80 prints set, max. 225 sheets/h*
Resolution | *423 dpi/1600 x 2100*
System | *Color video printer, dye sublimation*

Highlights
- Front-loading system on rails for paper and ink sheet cassette
- Compact and ergonomic design
- Integrated control panel
- Integrated paper tray with illuminated exit slot
- PAL & NTSC compatible, all standard interfaces

Mitsubishi Electric Printer P93DW

Capacity | *Approx. 190 print roll, max. 720 sheets/h*
Resolution | *325 dpi/1280 x 5760 (panorama)*
System | *B&w digital printer, direct thermal*

Highlights
– USB Version 2.0 guarantees print speed
– Compact size of only 154 x 90 x 256 mm
– Quick and easy adjustment on the front panel
– Panorama-print up to 100 x 450 mm
– Extensive adjustment possibilities using the printer driver

Mitsubishi Electric Printer CP31W

Capacity | *80 prints set, max. 225 sheets/h*
Resolution | *423 dpi/1600 x 2100*
System | *Color video printer, dye sublimation*

Highlights
– Front-loading system on rails for paper and ink sheet cassette
– Compact and ergonomic design
– Integrated control panel
– Integrated paper tray with illuminated exit slot
– PAL & NTSC compatible with common S-Video and Composite Video

Mitsubishi Electric Printer P95DE

Capacity | *Approx. 245 print roll, max. 1,895 sheets/h*
Resolution | *325 dpi with 16-bit data processing*
System | *B&w digital printer, direct thermal*

Highlights
– Print time per image 1.9 sec. (100 x 75 mm)
– Compact size of only 154 x 84,5 x 239 mm
– Exceptional long print format possible (100 x 450 mm)
– New high-gloss thermal paper
– Optimised heating process thanks to Print Control Engine

Mitsubishi Electric Printer CP30DW

Capacity | *80 prints set, max. 225 sheets/h*
Resolution | *423 dpi/1600 x 2100*
System | *Color digital printer, dye sublimation*

Highlights
– Front-loading system on rails for paper and ink sheet cassette
– Compact and ergonomic design
– High-speed USB interface (Version 2.0)
– Large integrated paper tray
– Illuminated paper exit slot

Tetenal Printing Solution II

HP 2800 (A3+, A3, A4, A5, A6)
4800 x 1200 dpi

Highlights
– High resolution quality – low costs
– High density
– Fast-drying
– Water-resistant
– Transparent + solid printouts

Tetenal Printing Solution II

Printing Technology | *HP 1000 (A4, A5)*
Resolution b/w | *4800 x 1200 dpi*

Highlights
– High resolution quality – low costs
– High density
– Fast-drying
– Water-resistant
– Transparent + solid printouts

CPS – Codonics Virtua Medical Disc Publisher

Highlights
– Burns up to 60 CDs or 30 DVDs an hour
– Auto records patient studies and reports without tying up workstation or employee resources
– Touchscreen interface for optimized workflow
– Full-color disc labels creator
– DICOM compliant network appliance
– Burn speeds based on a typical clinical study with full color label. Not all features available on all models. Specifications subject to change

	Virtua Medical Disc Publisher
Capacity	*Two 50-disc input bins; 100 disc total capacity*
	30 CDs/15 DVDs per hour
Drives/Recordable Format	*DVD-R / CD-R dual-layer drives*
Printer	*Inkjet 4800 dpi*
	Virtua XR Medical Disc Publisher
Capacity	*Two 50-disc input bins; 100 disc total capacity*
	30 CDs/15 DVDs per hour
Drives/Recordable Format	*Two dual-layer, DVD-R / CD-R drives*
Printer	*Inkjet 4800 dpi*

CPS – Codonics DiscImporter Integrity

User Interface	*Remote web browser access*
Import Formats	*DICOM 3.0, IHE PDI, ACR NEMA, older DICOM image files*
Processor	*Intel® CoreTM 2 Duo*
Search Rules	*Configurable*
Dimensions	*6.49" (16.5 cm) W, 6.49" (16.5 cm) D, 1.96" (5 cm) H*
Weight	*2.41 lbs. (1.46 kg)*

Highlights
– Compact, stand alone solution to read, reconcile and store medical studies from CD/DVD
– Improves workflow by bringing the reconciliation process to the user
– Automatically scans for viruses to protect your data
– Reconciles patient data with facility's own modality worklist
– Displays the original imported data as well as the matching MWL or PACS data

IBA Dosimetry LXcan

Spot luminance meter for quality tests at displays

Highlights
– Luminance and illuminance measurements
– Display: 1.2" TFT
– Targeting device: integrated camera
– Ultrasonic distance sensor; alignment sensor
– USB interface

medigration CD-Imager

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

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TOSHIBA

ULTRASONIX

ZONARE

CHISON SONO Touch

Mode	*B, 2B, 4B, M, B/M,*
Scan format	*Convex, Linear, Micro convex*
Transducer inputs	*1*

Highlights
- Simple: image within your finger's reach
- Quality: advanced technologies meets super images
- Compact: travel in your handbag
- Powerful: battery powered
- Vasitile: sit,stand,arm-held,mounted...
- Hi-tech: designed in USA

CHISON Q8

Mode	*B,2B,4B,M,B/M,B/BC, CFM,PD, Directional PD, Instant Triplex, Trapezoidal, Panoramic, TSS, 3D, 4D*
Scan format	*Linear, Convex, Micro-convex, Phased array#*
Transducer inputs	*2*

Highlights
- 4D upgradeable
- TDI quantities cardiac analysis
- THI on all probes
- Double Phasing Digital Beam Forming
- Compact in size

CHISON iVis 30

Mode	*B,2B,4B,M,B/M,B/BC, CFM,PD, Directional PD, Instant Triplex, 3D, 4D*
Scan format	*Convex, linear, micro convex*
Transducer inputs	*3*

Highlights
- Higher price performance, affordable for each doctor.
- Multiple applications including Abdomen, OB/GNY, Urology, GP, Small parts, etc.
- Omni- compounding imaging
- Multiple Beam Parallel Technology
- Real-time 3D(4D) imaging

CHISON 8300

Mode	*B,2B,4B,M,B/M*
Scan format	*Linear, Convex, Micro-convex*
Transducer inputs	*2*

Highlights
- Full digital beam-former
- Harmonic imaging
- Ergonomic imaging
- Enhanced image and cine storage
- USB ports, DICOM

Esaote MyLab25 XVGold

Modes	*B-mode, M-mode, color-, high sensitivity power doppler, PW-, CW doppler, TEI, CMM, TVM, TP-View, VPan*
Scan format	*3D/4D*
Transducer inputs	*2+1 probe connectors. Probes: LA, CA, PA, microconvex, pencil*

Highlights
- 15"LCD monitor
- high frequency imaging up to 18 MHz
- brilliant images (XView)
- Compound Imaging (MView)
- CnTI (contrast enhanced ultrasound)
- PC-workstation MyLabDesk
- Li-Ion battery (up to 1h)
- mobile system, DICOM

Esaote MyLab One

Modes	*B-mode, colorized 2D, CFM- mode, TEI, Bmode steering*
Transducer probes	*LA, CA and microconvex*

Highlights
- Arm-held
- wearable unit
- big 12" LCD real touch screen monitor
- Tutorial
- programmable keys on the LA-probe,
- for activating functions on the scanner remotely
- brilliant images (XView), user defined protocol editor
- PC-workstation MyLabDesk
- 2 USB ports
- Li-Ion battery (up to 3h)
- DICOM

Esaote MyLab Twice

Modes	*B-mode, M-mode, color-, high sensitivity power doppler, PW-, CWdoppler, TEI, TVM, CMM, TP-View, VPan*
Scan format	*3D/4D linear & convex*
Transducer inputs	*4+1 probe connectors LA, CA, PA, microconvex, pencil*

Highlights
- 19" LCD monitor
- HF imaging 18 MHz
- XView, Compound Imaging MView, CnTI, Elastographie, QIMT, Fusion Imaging, MyLabDesk
- DICOM, 4 USB ports, 500 GB, Satellite system

FUJIFILM Fazone CB

Modes	*B mode, M mode, Color Doppler, Power Doppler, Pulsed Wave Doppler*
Scan format	*linear, convex and sector scanning*
Transducer inputs	*1 for main unit, 3with MTP cart (option)*

Highlights
- 12" LCD display, full-screen display of images
- Image optimization at the push of a bottom
- Lightweight 4,5 kg, 30 sec boot up time
- Operated for up to an hour with optional battery
- High scalability (USB, HDMI, network ports)
- Purpose based layout and large buttons for high intuitive operability
- High operability using touch panel
- High-end cosmetics with piano white finish

FUJIFILM Fazone CB Cart

Highlights
- Small, lightweight, and high portability means it can be used anywhere
- Can be lifted or lowered simply by pulling the side lever
- CB main unit can easily be attached or removed simply by pulling the front lever
- Monochrome printer or colour printer (optional)
- Keyboard(optional)
- Operates for up to an hour without external power supply

GE Healthcare LOGIQ E9

Modes	*B-Mode, M-Mode, CFM-Mode, Doppler, Amplitude modulated contrast mode, Realtime4D*
Scan format	*Linear, convex, microconvex, sector phased array, trapezoid*
Transducer inputs	*4*

Highlights
- Matrix array transducer technology
- 3D/4D Volume scan
- Depth independed contrast imaging thanks to new amplitude modulation technology
- True spatial image fusion of CT/MRT Images and realtime ultrasound
- Volume navigation
- Agile, adaptive beamformer
- Elastography

GE Healthcare Voluson E8

Modes	*B-Mode, M-Mode, CFM-Mode, Doppler, HD-Flow, Realtime4D*
Scan format	*Linear, convex, microconvex, sector phased array*
Transducer inputs	*3*

Highlights
- Realtime 4D up to 40 volumes/sec.
- Automatic volumetric analysis
- STIC (Realtime 4D view of the fetal heart)
- CRI (Compound Resolution Imaging)
- HD-Flow (high sensitive Power Doppler)

GE Healthcare LOGIQ 9

Modes	*B-Mode, M-Mode, CFM-Mode, Doppler, B-Flow, coded contrast Harmonic, Realtime4D*
Scan format	*Linear, convex, microconvex, sector phased array, trapezoid*
Transducer inputs	*4*

Highlights
- Volume ultrasound (3D and contrast harmonic imaging, VOCAL II, 16 Mhz volume probe)
- TUI (Tomographic Ultrasound Imaging)
- CrossBeam realtime compound (up to 9 angles)
- Matrix array transducer technology
- LOGIQView (panoramic imaging)
- Ergonomic design with swiveling keyboard, LCD monitor, VoiceScan

GE Healthcare LOGIQ 7

Modes	*B-Mode, M-Mode, CFM-Mode, Doppler, B-Flow color, Coded Contrast Harmonic, StressEcho, anatomical M-Mode*
Scan format	*Linear, convex, microconvex, sector phased array, trapezoid*
Transducer inputs	*4*

GE Healthcare LOGIQ P6 Premium

Modes	*B-Mode, M-Mode, CFM-Mode, Doppler, B-Flow color, Coded Contrast Harmonic, StressEcho, Anatomical M-Mode*
Scan format	*Linear, convex, microconvex, sector phased array, trapezoid*
Transducer inputs	*3*

Highlights
- Compact shared service system B-Flow color (digitally substraction technique)
- CrossBeam realtime compound and speckle reduction imaging
- LOGIQView (panoramic imaging)
- Auto optimize (For B-Mode, color, Doppler)
- Digitally archive with RawData support
- Matrix Array Transducer Support
- Elastography

GE Healthcare LOGIQ A5 / P5 Premium

Modes	*Modular configurable from b/w system up to color triplex system (B-Mode, M-Mode, CFM-Mode, Doppler, B-Flow, cardiology)*
Scan format	*Linear, convex, microconvex, sector phased array, trapezoid*
Transducer inputs	*3*

Highlights
- Compact lightweight and modern design with 15“ LCD monitor
- CrossBeam and speckle reduction Imaging
- LOGIQView (panoramic imaging)
- Auto optimize (for B-Mode, color, Doppler)
- Digitally archive with RawData support
- Elastography (LOGIQ P5 Premium)

GE Healthcare LOGIQ e

Modes *B-Mode, M-Mode, CFM-Mode, Doppler*
Scan format *Linear, convex, microconvex, sector phased array, trapezoid*
Transducer inputs *1*

Highlights
- Portable premium system with shared service capabilities
- High frequency modul (for vascular and SmallParts diagnostic)
- Sector phased array modul (for cardiology)
- CrossBeam
- LOGIQView (panoramic imaging)

GE Healthcare Venue 40

Modes *B mode, Color flow Imaging, Power Doppler*
Scan format *Linear, Convex, Sector (Phased array)*
Transducer inputs *1*

Highlights
- No buttons. No knobs. No keyboard. Easy to use at the point of care.
- Concurrent acquisition technology provides fast, high-resolution imaging to easily visualize anatomy and needle placement.
- Depth-synchronized optimization with adjustable gain.
- CrossXBeam and Speckle Reduction Imaging (SRI).
- Single-surface screen – no seams, no monitor frame.

GE Healthcare Vscan

Modes *Black and white mode for displaying anatomy in real-time*
Color-coded overlay for real-time blood flow imaging
Scan format *Field-of-view for black and white imaging: up to 75 degrees with maximum depth of 25 cm*
The color flow sector represents blood flow within an angle of 30 degrees
Weight *390 g*
(unit and probe)

Highlights
- The size of a smart phone, Vscan ultrasound is helping redefine the speed and depth of patient care.
- Patient imaging– immediately and non-invasively – during the physical exam.
- Visually validate what you feel and hear.
- Diagnose more quickly and confidently to determine the best course of treatment.
- Connect more deeply with patients for better care.
- Small and lightweight, Vscan slips easily into a lab coat pocket
- The ample battery capacity provides over one hour of scanning on a single charge

Hitachi Medical Systems HI VISION Preirus

Modes *B & M Mode; Omni Directional M Mode; PW & CW Doppler; Dual Gate Doppler; Colour & power Doppler; Fine Flow Mode; Triplex Mode; TDI; Elastography; Contrast harmonic imaging; Freehand3D/4D; Real-time Virtual Sonography; Real-time Bi-plane*
Scan format *Sector, linear and convex array, 360° scanning, trapezoid, B-steer, dual imaging, wideview panoramic, HI definition Zoom, Pan Zoom; Picture in Picture*
Transducer inputs *3 active*

Highlights
- Award-winning, unique ergonomic design gives increased system flexibility
- 3 types tissue harmonic imaging (6 choice of frequencies)
- Tissue adaptive filtering, HI Rez+ (6 levels) for speckle & noise reduction
- Compound imaging, HI Com (from multiple directions and different frequencies)
- Graphical User Interface incorporating Smart Tab menus, Image Thumbnails and Touch Screen panel for image optimisation

Hitachi Medical Systems EUB-7500 HV

Modes *B & M Mode; Omni Directional M Mode; PW & CW Doppler; Dual Gate Doppler; Colour & power Doppler; Fine Flow Mode; Triplex Mode; TDI; Elastography; Contrast harmonic imaging; Freehand 3D/4D; Real-time Virtual Sonography; Real-time Bi-plane*
Scan format *Sector, linear and convex array, 360° scanning, dual imaging, wide-view panoramic, HI definition Zoom, Pan Zoom; Picture in Picture*
Transducer inputs *3 active ports*

Highlights
- 3 types tissue harmonic imaging (6 choice of frequencies)
- Tissue adaptive filtering, HI Rez+ (4 levels) for speckle and noise reduction
- Compound imaging, HI Com (from multiple directions and different frequencies)
- Option of waterproof remote control operation and voice-activated Bluetooth operation
- Compatibility with wide range of transducers including endoscopic/ bronchoscopic options

Hitachi Medical Systems HI VISION Avius

Modes *B & M Mode; Omni Directional M Mode; PW & CW Doppler; Colour & power Doppler; Fine Flow Mode; Triplex Mode; TDI; Elastography; Contrast harmonic imaging; Freehand 3D/4D*
Scan format *Sector (phased), linear, and convex array, 360° scanning, trapezoid, B-steer, dual imaging, Wideview panoramic, HI definition Zoom, Pan Zoom; Picture in Picture*
Transducer inputs *3 active ports*

Highlights
- 3 types tissue harmonic imaging (6 choice of frequencies)
- Tissue adaptive filtering, HI Rez+ (6 levels) for speckle & 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 Medical Systems EUB-7000 HV

Modes	*B & M Mode; Omni Directional M Mode; PW and CW Doppler; Colour and power Doppler; TDI; Tissue elastography; 4D*
Scan format	*Sector (phased), linear, and convex array, 360 degrees radial scanning, dual imaging, wide view panoramic, HI definition Zoom, Pan Zoom; Picture in Picture*
Transducer inputs	*3 active ports*

Highlights
- 3 types tissue harmonic imaging (6 choice of frequencies)
- Tissue adaptive filtering, HI Rez (4 levels) for speckle and noise reduction
- Option of waterproof remote control operation and voice-activated Bluetooth operation
- Compatibility with wide range of transducers including endoscopic/ bronchoscopic, surgery and urology options
- Real-time tissue elastography for breast, prostate, pancreas, thyroid, musculoskeletal, and many more

Hitachi Medical Systems HI VISION Ascendus

Modes	*B & M Mode; Omni Directional M Mode; PW & CW Doppler; Dual Gate Doppler; Colour & power Doppler; Fine Flow Mode; Triplex Mode; TDI; Elastography; Contrast harmonic imaging; Freehand 3D/4D; 4D with elastography Real-time Virtual Sonography; Real-time Bi-plane*
Scan format	*Sector, linear and convex array, 360° scanning, trapezoid, B-steer, dual imaging, wide-view panoramic, HI definition Zoom, Pan Zoom; Picture in Picture*
Transducer inputs	*4 active ports*

Highlights
- Award-winning, unique ergonomic design gives increased system flexibility
- Graphical User Interface incorporating Smart Tab menus, Image Thumb-nails and Touch Screen panel for image optimisation
- Advanced signal processing for allround high performance imaging
- Standard package includes tissue elastography and contrast imaging modes
- Supports leading edge technologies such as 4D elastography and cont-rast quantification packages

Landwind Mirror2Plus

Modes	*B-mode, M-mode, color-, high sensitivity power doppler, PWDoppler£¨ CW Doppler*
Scan format	*Phased, Linear, convex, micro-convex*
Transducer inputs	*3 active ports*

Highlights
- Tissue Doppler imaging
- Color Doppler panoramic imaging
- High resolution write zoom
- MCI (Multi-angle Compound Imaging)
- Phase inversion tissue harmonic imaging
- Color M mode

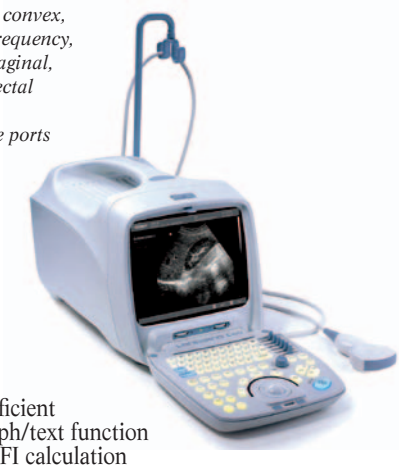
Landwind Mirror2

Modes	*B-mode, M-mode, color-, high sensitivity power doppler, PW doppler*
Scan format	*Linear, convex, micro-convex*
Transducer inputs	*2 active ports*

Highlights
- High sensitivity of power Doppler imaging
- Color Doppler panoramic imaging
- Color Doppler 3D imaging
- Real time PW spectrum auto calculation
- THI for TDP technically difficult patients(obese,old,etc)
- Big FOV angle of trans-vaginal probe

Landwind NeuCrystal C40

Modes	*B-mode, B/B, 4B, M, B/M, tissue harmonic mode*
Scan format	*Linear, convex, multi-frequency, trans-vaginal, trans-rectal*
Transducer inputs	*2 active ports*



Highlights
- Quick image save, batch transferred to USB stick
- Context dependent Softkey, intuitive, efficient
- Powerful report graph/text function
- 4B images for OB AFI calculation
- THI for TDP technically difficult patients(obese,old,etc)

Landwind NeuCrystal F40

Modes	*B-mode, B/B, 4B, M, B/M, tissue harmonic mode*
Scan format	*Linear, convex, multi-frequency, trans-vaginal, trans-rectal*
Transducer inputs	*2 active ports*

Highlights
- Quick image save, batch transferred to USB stick
- Context dependent Softkey, intuitive, efficient
- Powerful report graph/text function
- 4B images for OB AFI calculation
- THI for TDP technically difficult patients(obese,old,etc)
- iView¸ image management
- DICOM storage SCU

If imaging is your arena

See more in life

ACCUVIX XG
Ultrasound system

Medison wants to give you an easier way to acquire more information, with greater confidence in your daily practice. The Accuvix XG empowers you through advanced image quality, extensive automation, an innovative user interface and an ergonomic design. Experiencing the Accuvix XG will enable you to see beyond previous imaging boundaries, and provide better patient care.

For more information: Sales @medison.com
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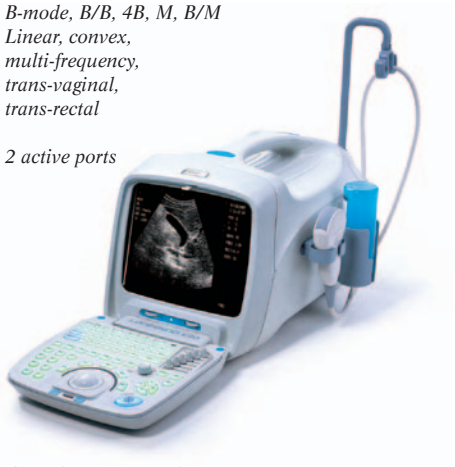
ECR 2011
03 - 07 March 2011
Visit us at MEDISON booth
Expo E/ Booth#540

www.medison.com sales@medison.com

see it all
MEDISON

Landwind NeuCrystal C30

Modes	*B-mode, B/B, 4B, M, B/M*
Scan format	*Linear, convex, multi-frequency, trans-vaginal, trans-rectal*
Transducer inputs	*2 active ports*



Highlights
- Quick image save and transferred to USB stick
- Short cut key for obstetrics measurement
- 4B images for OB AFI calculation

Medison Accuvix V20 Prestige

Mode	*B-mode, Tissue- and Pulse inversion Harmonic Imaging, DynamicMRTM, M-mode, Anatomical M-mode, CFM-mode, Power Doppler, Spectral Doppler (PWD/CWD), Pulsed Wave Tissue Doppler Imaging, Live 3DTM/4D and 3D XITM*
Scan format	*Linear, trapezoidal, compound linear, 3D linear, convex, micro convex, 3D Convex, phased array sector and pencil*
Transducer inputs	*4 + 1*

Highlights
- Multi-application 3D/4D ultrasound system
- High resolution 19" LCD monitor
- Panoramic View 2.0, Spatial Compound Imaging, Speckle Reduction Filter, DynamicMRTM PLUS
- XI STIC, BW STIC, Color STIC, STIC + MSV, 3D MXI, Multi Volume Slice, Mirror View, Multi-OVIX 3D DMR, VCE (Volume Contrast Enhancement)
- Auto IMT, CEUS, Elastoscan
- Highly sensitive directional Power Doppler

Medison Accuvix V10

Mode	*B-mode, Tissue- and Pulse inversion Harmonic Imaging, DynamicMRTM, M-mode, Anatomical M-mode, CFM-mode, Power Doppler, Spectral Doppler (PWD/CWD), Pulsed Wave Tissue Doppler Imaging, Live 3DTM/4D and 3D XITM*
Scan format	*Linear, trapezoidal, compound linear, convex, micro convex, 3D convex, phased array sector and pencil*
Transducer inputs	*3 + 1*

Highlights
- Multi Application live 3D/4D ultrasound system
- High resolution 19"LCD monitor
- Live 3DTMwith extreme volume rates
- 3D XI Multi Slice View, Oblique view and VolumeCT –3D XI STIC, VOCAL and XI VOCAL
- Highly sensitive directional Power Doppler
- Elastoscan, CEUS

Medison Sonoace X8

Mode	*B-mode, Tissue- and Pulse inversion Harmonic Imaging, DynamicMRTM, M-mode, Anatomical M-mode, CFM-mode, Power Doppler, Spectral Doppler (PWD/CWD), Pulsed Wave Tissue Doppler Imaging, Live 3DTM/4D and 3D XITM*
Scan format	*Linear, trapezoidal, compound line ar, convex, micro convex, 3D convex, phased array sector and pencil*
Transducer inputs	*3 + 1*

Highlights
- Popular class multi-speciality live 3DTM/4D ultrasound system
- High resolution (1280 x 1024) 17" LCD monitor
- Live 3DTM with extreme volume rates
- 3D XITM, Multi Slice ViewTM, Oblique viewTM and VolumeCTTM
- Highly sensitive directional Power Doppler
- Auto IMT, CEUS, Elastoscan

Medison Sonoace X6

Mode	*B-mode, Tissue- and Pulse inversion Harmonic Imaging, DynamicMRTM, M-mode, Anatomical M-mode, CFM-mode, Power Doppler, Spectral Doppler (PWD/CWD), Pulsed Wave Tissue Doppler Imaging*
Scan format	*Linear, trapezoidal, compound linear, convex, micro convex, 3D convex, phased array sector and pencil*
Transducer inputs	*3 + 1*

Highlights
- Economical multi-speciality digital color ultrasound system
- Full SpectrumTM and Tissue Harmonic Imaging
- Color and Power Doppler
- Free hand 3D imaging
- High resolution (LCD monitor)

Medison Accuvix XG

Mode	*B-mode, Dynamic MR, Dynamic MR plus2.0, M-mode, color m-mode, arbitrary m-mode, color doppler, power doppler, directional power doppler, spectral doppler(PW,CW), tissue doppler imaging-mode, volume-mode(3D/4D, XI, MXI)*
Scan format	*Linear, trapezoidal, compound Linear, 3D linear, convex, micro convex, 3D convex, phased array sector and pencil*
Transducer inputs	*3 + 1*

Highlights
- Multi-speciality live 3D/4D ultrasound system
- HD volume imaging
- Live 3D with extreme volume rates
- 3D XI and 3D Multi-eXtended Imaging
- 3D XI STIC, VOCAL, XI VOCAL
- 9" wide LED touch screen control (800 x 480 x 24bits)

Medison SonoAce R7

Mode *B-mode, Tissue and pulse inversion harmonic imaging, Dynamic MR, Dynamic MR plus, M-mode, color m-mode, spectral doppler (PW, CW), color doppler, power doppler, Live 3D/4D and 3D XI,*

Scan format *Linear, trapezoidal, compound linear, convex, 3D convex, phased array sector*

Transducer inputs *3*

Highlights
- Multi-speciality live 3D/4D ultrasound system
- 3D XI Multi slice view, Oblique view, Volume CT
- High resolution(1280 x 1024) 17 LCD monitor
- High sensitive color and doppler
- Extreme High Dynamic Range(200dB)

Medison SonoAce R5

Mode *B-mode, M-mode, color M-mode, Pulsed wave spectral doppler, color doppler, power doppler, Tissue Harmonic imaging, pulse inversion harmonic imaging, freehand 3D, 3D Multi planar imaging*

Scan format *Linear, trapezoidal, Convex, micro convex*

Transducer inputs *2 (3 option)*

Highlights
- Full Spectrum Imaging
- 3D multi planar imaging
- Standby mode (Hibernation mode)
- Extreme High Dynamic Range(180dB)
- Various and Veterinary (small animal) measurement

Medison MySono U5

Mode *B-mode, Tissue- and Pulseinversion Harmonic Imaging,DynamicMRTM, M-mode,Anatomical M-mode, CFM-mode,Power Doppler, Spectral Doppler(PWD/CWD), Pulsed WaveTissue Doppler Imaging, Live3DTM/4D and 3D XI*

Scan format *Linear, trapezoidal, compound linear, convex, micro convex, 3D convex, phased array sector*

Transducer inputs *1 port*

Medison SonoAce R3

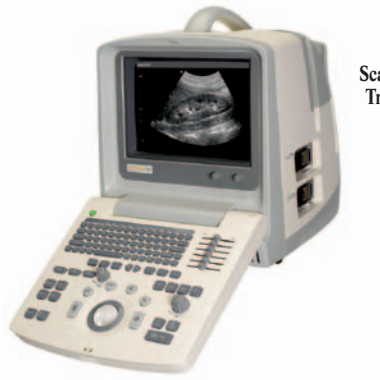
Mode *B-mode, M-mode, color M-mode, Pulsed wave spectral doppler, color doppler, power doppler, Tissue Harmonic imaging, pulse inversion harmonic imaging, freehand 3D, 3D Multi planar imaging*

Scan format *Linear, trapezoidal, Convex, micro convex*

Transducer inputs *1 (2 option)*

Highlights
- Full Spectrum Imaging
- 3D multi planar imaging
- Standby mode(Hibernation mode)
- Extreme High Dynamic Range(180dB)
- Various and Veterinary (large and small animal) measurement

Medison Sonoace X1



Mode *B-mode, BB mode , 4B, BM, M mode*

Scan format *Linear, convex*

Transducer inputs *2 port*

Highlights
- Multi Application portable ultrasound system
- 10” CRT monitor
- Large image storage
- USB direct storage
- High resolution zoom

Mindray DC-3

Mode *4D, B,2B,4B,B/M,M,Color Doppler Flowing Imaging, HPRF, Power, Dirpower*

Scan Format *Linear Array, Convex Array, Convex Volume, Micro Convex, Endocavity,Intrarectal, Phased array,T-type Linear,Biplanar*

Transducer inputs *4*

Highlights
- Compact system with full ergonomic design
- iClear: Speckle reduction technology
- THI(Tissue Harmonic Imaging), Real time 4D imaging, Smart 3D,Trapezoid imaging,iScape view and Free XrosTM imaging
- iTouch: Intelligent one-touch image optimization
- iStation:Intelligent patient management platform
- DVD-R/W,USB,DICOM 3.0, and ECG module
- Height adjustable and rotatable control panel

Mindray DC-7

Technology	*iClear, iBeam, Frequency Compounding Imaging, Adaptive Frame Averaging,*
Mode	*B, C, M, PW, CW, Power (DirPower), TDI, CM(Color M), 4D*
Scan format	*Convex, Linear, phased array, convex volume, endovaginal volume*
Transducer inputs	*2 - 15Mhz*

Highlights
- High resolution LCD screen, color touch screen
- Four active probe connectors, wide bandwidth and high density probes
- Simplifield workflow with fast system response
- Value-added-performance in versatile fields of applications
- Rich user-define packages and specific reports

Mindray DC-T6

Technology	*iClear,iBeam,Octal-beam imaging, Phase shift THI, iTouch*
Mode	*B,C,M,PW,CW,Power/DirPower,Color M,TDI, Anatomic M,Curved Anatomic M, 3D/4D*
Scan Format	*Convex,Linear,Phased array,Convex volume*
Transducer inputs	*1.5-16MHz*

Highlights
- High resolution LCD with better stereo effect
- Better control panel design
- Fast system response and high frame rate
- Reliable image quality and simplified workflow
- Inteligent power solution

Mindray DP-50

Technology	*iClear,iBeam,iTouch,Phase Shift Harmonic Imaging*
Mode	*B,2B,4B,B/M,M*
Scan Format	*Convex,Linear,endovaginal*
Transducer inputs	*2-14MHz*

Highlights
- High resolution 15“ LCD screen
- Brilliant industrial design
- Advanced imaging technology
- Intelligent workflow
- Rechargeable battery

Mindray M5

Technology	*Microsoft Windows XP Empeded*
Mode	*B/M/Color Doppler Velocity/ Power (DirPower) /PW/ CW/ Smart 3D / iScape (panoramic imaging)*
	Linear, Convex, Phase, Endocavity
Scan Format	*2-15 MHz*
Transducer inputs	

Highlights
- THI
- iBeam™ Spatial compounding imaging
- iClear™ Adaptive Speckle Suppression Imaging
- iTouch™ Intelligent Image Optimization
- iZoom™ Autoatically expand the image to full screen
- iStation Powerful patient data managment platform

Mindray M7

Technology	*Microsoft Windows XP Professional with ASIC Design Platform*
Mode	*B / M / Anatomical M / Color Doppler Velocity / Power (DirPower) / PW / CW / Smart 3D / Static 3D / 4D / iScape (panoramic imaging) / TDI (Tissue Doppler imaging) / Color M(CM)*
Scan Format	*Linear, Convex, Phase, Endocavity, Volume*
Transducer inputs	*2-15 MHz*

Highlights
- Phase shift THI
- iBeam™ Spatial compounding imaging
- iClear™ Adaptive Speckle Suppression Imaging
- iTouch™ Intelligent Image Optimization
- iZoom™ Autoatically expand the image to full screen
- iRoam™, 802.11b/g wireless data transfer solution

Philips iU22 xMATRIX

Modes	*2D, M-mode, color Doppler, Spectral Doppler, PW Doppler, CW Doppler, Tissue Doppler, live xPlane, Live Volume, Live 3D Echo, 3D/4D and MPR, Color Power Angio, contrast, Tissue Harmonic Imaging, Freehand 3D, STIC and iSTIC, elastography*
Scan Format	*Curved, volume, linear, sector xMATRIX*
Transducer Inputs	*3*

Highlights
- Superb image quality, even on technically challenging patients
- Simultaneous high resolution, real time scanning in two planes with Live xPlane imaging
- Outstanding versatility - go from 2D to 3D, 4D, MPR, Live xPlane and Live Volume at the touch of a button
- Full range of applications, including abdominal, Ob/Gyn, TCD, MSK, cardiology, vascular, interventional, and small parts

Philips CX50

Modes *2D, M-mode, Anatomical M-mode, color Doppler, Spectral Doppler, PW Doppler, CW Doppler, Tissue Doppler, Color Power Angio, contrast imaging, Tissue Harmonic Imaging, Freehand 3D*
Scan Format *Curved, linear, sector*
Transducer Inputs *one*

Highlights
- Small, compact design provides premium peformance anywhere you need it
- Exceptional results, even on technically challenging patients
- Support for general imaging, Ob/Gyn, vascular, breast, interventional, and cardiology exams

Philips HD15

Modes *2D, M-mode, Anatomical M-mode, color Doppler, PW Doppler, CW Doppler, Tissue Doppler, 3D/4D and MPR, Color Power Angio, contrast, Tissue Harmonic Imaging, Freehand 3D, stress*
Scan Format *Curved, volume, linear, sector echo, STIC*
Transducer Inputs *4*

Highlights
- Stunning images that spur diagnostic confidence
- Innovative patient load management support to speed exams
- Outstanding performance in a variety of clinical settings
- Applications include abdominal, Ob/Gyn, MSK, cardiology, vascular, small parts, and emergency medicine

Philips HD11 XE

Modes *2D, M-mode, Anatomical M-mode, color Doppler, Spectral Doppler, PW Doppler, CW Doppler, Tissue Doppler, 3D/4D and MPR, Color Power Angio, contrast, Tissue Harmonic Imaging, Freehand 3D, stress echo, STIC*
Scan Format *Curved, volume, linear, sector*
Transducer Inputs *5*

Highlights
- High definition imaging combined with intuitive design
- Powerful, clinically proven innovations designed to match your clinical environment
- Superb ergnomics and mobility
- Fully equipped to cover a range of applications including general imaging, cardiology, vascular, and Ob/Gyn

Philips HD11

Modes *2D, M-mode, color Doppler, PW Doppler, Color Powr Angio, High PRF, Tissue Harmonic Imaging*
Scan Format *Curved, linear, sector*
Transducer Inputs 5

Highlights
- Versatile platform built for high definition performance
- Clinical applications include general imaging, Ob/Gyn, vascular, and cardiac

Philips HD9

Modes *2D, M-mode, Anatomical M-mode, color Doppler, PW Doppler, CW Doppler, High PRF, Tissue Doppler, 3D/4D, Color Power Angio, elastography**
Scan Format *Curved, volume, linear, sector*
Transducer Inputs *4*

Highlights
- Outstanding clinical performance to support confident diagnosis
- Versatile and easy to use 3D and 4D capability
- Designed for optimal workflow and reliability in busy practices
- Clinical applications include abdominal, Ob/Gyn, breast, pediatric, vascular, cardiology, MSK, urology, critical care

*in some regions

Philips HD7 XE

Modes *2D, M-mode, Anatomical M-mode, color Doppler, PW Doppler, CW Doppler, Tissue Doppler, 3D grayscale, Color Power Angio, contrast, Tissue Harmonic Imaging, stress echo*
Scan Format *Curved, linear, sector*
Transducer Inputs *4*

Highlights
- Sophisticated technologies and user-centric design facilitates exams in a wide variety of clinical settings
- Advanced features for streamlined workflow
- Easy to learn and use for all levels of experience
- Full range of applications, including abdominal, Ob/Gyn, vascular, cardiac, MSK

Philips HD7

Modes *2D, M-mode, Anatomical M-mode, color Doppler, PW Doppler, CW Doppler, 3D grayscale, Color Power Angio, Tissue Harmonic Imaging*
Scan Format *Curved, linear, sector*
Transducer Inputs *4*

Highlights
- Superb image quality and high performance features in an affordable, mobile unit.
- Designed for ease-of-use and day-after-day reliability
- Clinical applications include abdominal, small parts and superficial, MSK, pediatric, urology, Ob/Gyn, vascular, TCD and cardiac

Philips HD6

Modes *2D, M-mode, Anatomical M-mode, color Doppler, PW Doppler, CW Doppler, 3D grayscale, Color Power Angio, Tissue Harmonic Imaging,*
Scan Format *Curved, linear, sector*
Transducer Inputs *3*

Highlights
- Exceptional performance and image quality at an affordable price
- Versatile and easy to use
- Suitable for a variety of clinical settings
- Proven platform assures optimal, continuing performance, even with high user volume

Siemens Acuson S2000

Modes *B-mode, Color Doppler, Power Doppler, PW Doppler (Duplex, Triplex), Doppler Tissue Imaging (Color and PW), CW spectral Doppler, M-mode and Color Doppler Mmode 42*
Scan format *Curved array, phased array, linear, endocavity, 3D/4D imaging, pencil*
Transducer inputs *3*

Highlights
- Advanced transducer technology including micro-pinless connectors, Hanafy lens and matrix arrays, and silicon-ready – Advanced breast imaging application with eSieTouch elasticity imaging and Fatty Tissue Imaging technologies including option to add ABVS Automated Breast (see Mammography)
- Advanced SieClear spatial compounding with dynamic TCE wtechnology with speckle reduction in 3D
- Advanced fourSight technology
- Automatic measurement of lesions with syngo e-Sie Calcs native tracing software

Siemens Acuson Antares

Modes *B-mode, Color Doppler, Power Doppler, PWDoppler (Duplex, Triplex), Doppler Tissue Imaging (Color and PW), CW spectral Doppler, M-mode and Color Doppler M-mode*
Scan format *Curved array, phased array, linear, endocavity, 3D/4D imaging, pencil*
Transducer inputs *3*

Highlights
- High-end ultrasound system
- 3D/4D imaging
- Advanced breast imaging application with eSieTouch elasticity imaging and fatty tissue imaging technologies
- Cadence CPS Contrast enhanced imaging
- Hanafy lens transducer technology
- MultiHertz multiple frequency imaging technology
- Advanced SieClear spatial compounding with dynamic TCE technology
- Advanced fourSight technology
- TEQ ultrasound technology: Clarify vascular enhancement technology, syngo auto OB measurements

Siemens Acuson X300 Premium Edition

Modes *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, endocavity, 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 technologies
- Exceptional clinical performance across a variety of applications and patient body types
- Easy-to-use ErgoDynamic imaging system design

Siemens Acuson X300

Modes *B-mode, Color M-mode, M-mode, Color Doppler Velocity mode, Power Doppler mode, Pulsed Wave (PW) spectral Doppler mode, CW Continuous Wave spectral Doppler mode*
Scan format *Phased array, curved array, endocavity, linear array*
Transducer inputs *3*

Highlights
- Hanafy lens transducer technology
- Tissue harmonic imaging
- DTI Doppler tissue imaging capability
- Multi-beam formation technology
- Streamlined clinical workflow with integrated DIMAQ-IP workstation, a user customizable control panel, and TGO tissue grayscale optimization technology
- ErgoDynamic imaging system design with flat panel display and articulating arm

Siemens Acuson X150

Modes *B-mode, M-mode, Color Doppler Velocity mode, Power Doppler mode, Pulsed Wave (PW) spectral Doppler mode, Duplex mode, Triplex mode*

Scan format *Phased array, curved array, endocavity, linear array*

Transducer inputs *2 + 1 optional*

Highlights

- Top diagnostic performance and scalability
- Superior 2D-mode imaging
- Color imaging option
- Cardiac screening option and phased array transducers fully integrate 3-Scape real-time 3D imaging application to easily acquire realtime 3D images during freehand acquisition
- Intuitively simple, yet powerful user interface with highly functional ergonomics

Siemens Acuson P10

Modes *B-Mode, harmonic modes*

Scan format *Phased array*

Transducer inputs *Single handheld unit with integrated transducer*

Highlights

- Excellent image quality
- Instant power-up
- Removable, rechargeable battery
- Simple, intuitive user interface
- TGO tissue grayscale optimization technology
- Application presets
- SD memory card and USB port
- Offline image review software

Sonoscape S20

Technology	*µ-scan Processing multiple-beam processing*
Mode	*B-mode, Steer M-mode, TDI, CFM, PDI, PWD, CWD, 3D/4D, Color M-mode, Tissue Doppler Imaging*
Scan format	*Linear, Convex, Micro Convex, Phased Array, Bi-plane, Volume Convex, Intraoperative Transducer*
Transducer inputs	*4*

Highlights
- 10.4 inch smart touch screen
- High density transducers with frequency ranges from 1.9 to 15MHz
- 200°transvaginal imaging with temperature-detection technology for endocavity transducers
- Integrated with state-of-the-art technologies, like µ-scan, multiple-beam processing, IMT, B-Steer, automatic flow volume analysis
- Full patient database solutions: DICOM3.0, AVI/JPG, USB2.0, HDD, DVD, PDF report

Sonoscape S8

Technology	*µ-scan Processing*
Mode	*B-mode, Steer M-mode, TDI, CFM, PDI, PWD, CWD, 3D/4D, Color M-mode, Tissue Doppler Imaging*
Scan format	*Linear, Convex, Micro Convex, Phased Array,TEE*
Transducer inputs	*2*

Highlights
- High density transducers with frequency ranges from 1.9 to 15MHz
- Integrated with state-of-the-art technologies, like µ-scan, IMT, B-Steer, multiple-beam processing, automatic flow volume analysis, 4D imaging technology
- Comprehensive cardiovascular analysis kits: TDI, Steer M, Color M; CW, HPRF, Panoramic image
- Built-in high capacity lithium battery
- Full patient database solutions: DICOM3.0, AVI/JPG, USB2.0, HDD, DVD, PDF report

Sonoscape SSI-8000

Technology	*µ-scan Processing*
Mode	*B-mode, Steer M-mode, TDI, CFM, PDI, PWD, CWD, 3D/4D, Color M-mode, Tissue Doppler Imaging*
Scan format	*Linear, Convex, Micro Convex, Phased Array, TEE, Volume Convex*
Transducer inputs	*4*

Highlights
- Full range of cardiovascular transducers: Adult TEE, Pediatric TEE, Phased, High-frequency linear
- High density transducers with frequency ranges from 1.9 to 15MHz
- Cardiovascular analysis kits: TDI, Steer M, Color M, CW, HPRF, Panoramic image
- Integrated with state-of-the-art technologies, like µ-scan, multiple-beam processing, IMT, B-Steer, automatic flow volume analysis, 4D imaging technology
- Full patient database solutions: DICOM3.0, AVI/JPG, USB2.0, HDD, DVD, PDF report

Sonoscape S6BW

Technology	
Mode	*B-mode, Steer M-mode, TDI, CFM, PDI, PWD, CWD, Tissue Doppler, Imaging*
Scan format	*Linear Array, Convex Array, Micro Convex Array, Phased Array, TEE*
Transducer inputs	*2*

Highlights
- Premium B/W HCU with color option
- Built-in high capacity lithium battery
- Clipboard function for quick patient image capture and review
- 3D imaging compatible with all transducers
- Full patient database solutions: DICOM3.0, AVI/JPG, USB2.0, HDD, DVD, PDF report

Sonoscape A8

Technology	
Mode	*4B, B, B/W, M, B/B, Tissue Harmonic Imaging*
Scan format	*Linear, Convex, Micro Convex*
Transducer inputs	*3*

Highlights
- Fifteen comprehensive transducer choices, supporting a wide range of applications: General, Radiology, OB/GYN, Urology, Pediatric, Musculoskeletal
- Bi-plane transducers (both Convex & Linear and Convex & Convex) for urological application
- 180° endocavity probe with Temperature-detection Technology
- Intuitive operation with M-Tuning one-key image optimization
- Full patient database solutions: DICOM3.0, AVI/JPG, USB2.0, 160GHDD, PDF report

Toshiba Aplio XG

Modes	*2D, 3D, 4D, M modes; PW/CW Doppler; high PRF; color flow Doppler*
Scan format	*Linear, convex, matrix, and phased arrays; biopsy & 4D volume probes (linear and convex); Motorised-TEE; rectal, vaginal & pencil probe*
Transducer inputs	*3 + 1 (pencil)*

Highlights
- Precision Imaging, MicroPure and Elastography
- ApliPure Plus: Advanced realtime compound imaging
- Differential THI: better resolution and depth of penetration
- Contrast imaging: Low MI, VRI, microflow imaging
- Whole body 4D imaging with linear and convex transducers; Volume view; Multiview
- Acoustic Structure Quantification: fibrotic tissue change assesment
- CHI-Quantification, TDI-Quantification

Toshiba Aplio MX

Modes	*2D, 3D, 4D, M modes; PW/CW Doppler; high PRF; color flow Doppler*
Scan format	*Linear, convex, and phased arrays; biopsy & 4D volume probes (linear and convex); Motorised-TEE; rectal, vaginal & pencil probe*
Transducer inputs	*3 + 1 (pencil)*

Highlights
- Precision Imaging, MicroPure and Elastography
- ApliPure Plus: Advanced realtime compound imaging
- Differential THI: better resolution and depth of penetration
- Advanced Dynamic Flow: Broadband colour flow Doppler
- Contrast imaging: Low MI, VRI, microflow imaging
- Whole body 4D imaging with linear and convex transducers; Volume view; Multiview

Toshiba Xario XG

Modes	*2D, 3D, 4D, M modes; PW/CW Doppler; HPRF; color flow Doppler*
Scan format	*Linear, convex and phased arrays; biopsy probe; 4D volume probes (linear and convex); Motorised-TEE; rectal and vaginal probe; pencil probe*
Transducer inputs	*3 + 1 (pencil)*

Highlights
- Precision Imaging and MicroPure
- Aplipure Plus: advanced real-time compound imaging
- Differential THI: better resolution and depth of penetration
- Advanced Dynamic Flow: broadband color flow doppler
- Quick Scan: image optimisation with just one click
- Whole body 4D imaging with linear and convex transducers; Volume view; Multiview

Toshiba Xario

Modes	*2D, 3D, 4D, M modes; PW/CW Doppler; high PRF; color flow Doppler*
Scan format	*Linear, convex, and phased arrays; biopsy probe; 4D volume probe; Motorised-TEE; rectal and vaginal probe; pencil probe*
Transducer inputs	*3 + 1 (pencil)*

Highlights
- Precision Imaging and 4D Convex
- ApliPure: Realtime compound imaging
- Advanced Dynamic Flow: Broadband colour flow Doppler
- Quick Scan: image optimization with just one click
- User defined programming of operating console
- IASSIST: Remote control via handheld Bluetooth controller

Toshiba Viamo

Modes	*2D, M modes; spectral Doppler; high PRF; color flow Doppler*
Scan format	*Linear, convex and phased arrays*
Transducer inputs	*2*

Highlights
- Premium image quality
- 5 seconds bootup time
- Hybrid operation with touch screen and programmable panel
- Versatile mounting in desktop, cart and tablet modes
- One-click workflow control
- Tissuepure speckle reduction
- Aplipure realtime compound imaging

Toshiba Nemio MX

Modes	*2D, 3D, 4D, M modes; PW/CW Doppler; HPRF; color flow Doppler*
Scan format	*Linear, convex and phased arrays; biopsy probe; 4D volume probe; TEE; rectal and vaginal probe; pencil probe, endoscopic FNA, Laparoscopic*
Transducer inputs	*3 + 1 (pencil)*

Highlights
- ApliPure: Realtime Compound Imaging
- Advanced dynamic flow: broadband color flow Doppler
- SonoSet: Workflow control with just one click
- User defined programming of menus and buttons
- Onboard reporting, DICOM, DVD, USB, and export to PC

Ultrasonix SonixSP

Mode	*B, Doppler, PW, CW, Dual/Quad images, 3D, 4D, Panoramic, Harmonics Elastography option*
Scan Format	*Linear, Convex, Microconvex, Phased Array, Endocavity*
Transducer inputs	*3*

Highlights
- Live 4D Imaging
- Elastography option
- SonixVCR Onboard Digital Video Recording
- SonixGPS option for biopsies
- 90-minutes battery option
- 17" LCD Monitor and Console with Touch screen
- Premium Image Quality
- Online Software Updates
- www.ultrasonix.com/SonixSP

Ultrasonix SonixOP

Mode *B, Color Doppler, PW, CW, Dual/Quad images , 3D, 4D, Panoramic, Harmonics Elastography option*
Scan Format *Linear, Convex, Microconvex, Phased Array, Endocavity*
Transducer inputs *3*

Highlights
- SonixVCR Onboard Digital Video Recording
- Elastography option
- SonixGPS option for biopsies
- 17" LCD Monitor and Console with Touch screen
- 90-minute battery option
- Premium Image Quality
- Online Software Updates
- www.ultrasonix.com/SonixOP

Ultrasonix SonixMDP

Mode *B, Color Doppler, PW, CW, Dual/Quad images , 3D, 4D, Panoramic, Harmonics, Elastography option*
Scan Format *Linear, Convex, Microconvex, Phased Array, Endocavity*
Transducer inputs *3*

Highlights
- Elastography option
- SonixVCR Onboard Digital Video Recording
- SonixGPS option for biopsies
- Shared Services System
- 90-minute battery option
- 17" LCD Monitor and Console with Touch screen
- Premium Image Quality
- Online Software Updates
- ECG Module
- www.ultrasonix.com/SonixMDP

Ultrasonix SonixTOUCH

Mode *B, Color Doppler, PW, CW, Dual/Quad images, 3D, 4D, Panoramic, Harmonics, Elastography option*
Scan Format *Linear, Convex, Microconvex, Phased Array, Endocavity*
Transducer inputs *3*

Highlights
- Customizable touch screen – see only the buttons you need
- Application-specific packages – Anesthesia, Critical Care, IVF and more
- Elastography option
- SonixVCR Onboard Digital Video Recording
- SonixGPS option for biopsies
- Shared Services System
- 90-minutes battery option
- 17" LCD Monitor and Console with Touch screen
- Premium Image Quality
- Online Software Updates
- Optional ECG Module
- www.ultrasonix.com/SonixTOUCH

Ultrasonix SonixTABLET

Mode *B, Color Doppler, PW, CW, Dual/Quad images , Panoramic, Harmonics, Elastography option*
Scan Format *Linear, Convex, Microconvex, Phased Array, Endocavity*
Transducer inputs *2*

Highlights
- Customizable touch screen – see only the buttons you need
- Application-specific packages – Breast, MSK, L&D
- Easy to use
- SonixVCR Onboard Digital Video Recording
- 90-minutes battery option
- 17" LCD Monitor and Console with Touch screen
- Premium Image Quality
- Online Software Updates
- www.ultrasonix.com/SonixTABLET

Ultrasonix SonixGPS

Mode *B, Color Doppler*
Scan Format *Linear, Convex, Microconvex, Phased Array, Endocavity*
Transducer inputs *2*

Highlights
Revolutionary Ultrasound Needle Guidance technology. Available on SonixOP, SonixSP, SonixMDP and SonixTOUCH
- Physicians can plan trajectory before inserting the needle
- Works in plane and out of plane with the transducer
- Shows needle location at all times to guide and correct its path
- Operates at any depth or angle
- Easy to use: 1) position arm 2) press GPS button 3) start scanning
- www.ultrasonix.com/GPS

z.one *ultra*

Technology Mode *Zone Sonography Technology 2D / B- & M-Mode, Tissue Harmonic Doppler Imaging, Compound Harmonics, Color- and Color Power Doppler, PW- & CW-Doppler, Simultaneous Dual Imaging, 3D-Imaging, Elastography, Real-Time Triplex, Contrast Imaging*
Scan *Curved Array (Micro-convex), Linear Array, Phased Array, Virtual Apex Array (trapezoidal), TEE*
Transducer inputs *1 – Z.ONE Scan Engine only (hand-held use)*
3 – Z.ONE ultra or ultra sp (Scan Engine or Scan Module combined with SmartCart or SmartCart SP Workstation)

Highlights
- ZST Zone Speed Technology
- ZSI Zone Speed Index
- AUTO-OPT Automatic Optimization
- IQ Scan / Retrospective Imaging (The Virtual Patient)
- Utilizing the power of DSP Digital Signal Processing chip technology
- Convertible / Hybrid Ultrasound Concept
- Battery Pack for SmartCart Workstations

CIVCO eTRAX Needle Guidance System

eTRAX allows physicians safe and precise placement of instruments in the interventional suite by tracking the tip of the needle using electromagnetic technology in real-time navigation.

Highlights
- Enables precise percutaneous targeting of lesions without radiation or open surgery
- Ideal for ablations, core tissue biopsies, drainage, fluid aspirations, therapeutic delivery, vascular access and anesthesia
- Accepts 18 GA or smaller instruments
- Compatible with validated ultrasound equipment and software only
- Additional needle lengths coming soon

CIVCO Ultrasound Transducer Covers

CIVCO's CIV-Flex™ Transducer Covers have been recommended for three decades as the latex-free cover of choice and are a reliable way to provide patient and staff safety and prevent the spread of infection.

Highlights
- Offers extended sterile protection when performing puncture and drainage procedures.
- Soft, pliable, distortion-free, latex-free material.
- Available telescopically-folded for easy application to transducer and in extended lengths of 36 to 96 inches.
- Select covers offer a three-dimensional box end.

CIVCO General Purpose Needle Guidance Systems

CIVCO's needle guidance systems offer physicians reduced technique variability, a shorter learning curve and reduced procedure time during ultrasound-guided procedures. They are designed for use with ultrasound systems from leading equipment manufacturers.

Highlights
- Ultra-Pro II Needle Guide is designed for ultrasound-guided procedures including catheter placement, core tissue biopsy, drainage procedures and fine needle aspirations.
- AccuSITE™ Needle Guide is a transverse guide designed specifically for guidance in central line placement procedures.
- Infiniti™ Needle Guide offers a unique open channel with infinite angle capabilities and is ideal for deep or shallow access applications including breast biopsy and regional anesthesia.

Siemens ACUSON S2000 Automated Breast Volume Scanner

Highlights
- Ideally suited to image patients with dense breast tissue and/or a history of breast disease
- Acquisition of full-field volumes of the breast automatically, quickly and comfortably
- Efficient and comprehensive analysis of the volume data
- Comprehensive BI-RADS reporting capabilities
- Patient friendly - minimal compression
- No radiation

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	RIS	PACS	Workstations	Computed Tomography	Magnetic Resonance	Injectors	Interventionelle Systeme	Mammography	R/F	Bone Densitometer	CR	DR	Molecular Imaging	Display Systems	Printers	Ultrasound
Agfa HealthCare Septestraat 27 2640 Mortsel, Belgium ✆ +32 3 444 94 44 **www.agfa.com**	2	2	143	20				10, 63			82	86, 98			113, 114	
Alliance Medical Interim Solutions Iceni Centre, Warwick Technology Park, Warwick, CV34 6DA, UK ✆ +44 (0)192 648 2000 **www.allianceinterim.com** **www.alliancemedical.eu**				17	31								106			
Apelem Parc Scientifique Georges Besse 175 allée Von Neumann 30035 Nîmes Cédex 1, France ✆ +33 (0)4 66 29 09 07 **www.apelem.com**									71			86				
Barco N.V. President Kennedypark 35 8500 Kortrijk, Belgium ✆ +32 56 233211 **www.barco.com**														109		
Canon Europa NV PO Box 2262 1180 EG Amstelveen, The Netherlands ✆ +31 20 545 8831 **www.canon-europe.com/medical**												86, 87				
CARESTREAM HEALTH Route de Cité-Ouest 2 1196 Gland, Switzerland ✆ +41 22 354 34 56 **www.carestreamhealth.com**	2	2	143								82	87, 88			114	
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Digithurst Wasserrunzel 5 91186 Büchenbach, Germany ✆ +49-(0)91 71-96 71 0 marketing@digithurst.de **www.digithurst.de**	DIGITHURST Bildverarbeitungssysteme	2	2	143													
DMS 393 rue Charles Lindbergh 34130 Mauguio, France ✆ +33 (0)4 67 50 49 00 **www.dms.com**	DMS Group										75						
Dome Nijverheidscentrum 28 2761 JP Zevenhuizen, The Netherlands ✆ +31 180 63 4356 **www.ndssi.com**	DOME by NDSsi														111, 112, 113		
Dunlee Medical Components European Customer Service Center Veenpluis 6 5684 PC Best, The Netherlands ✆ +31 40 2762500	DUNLEE A Division of Philips Healthcare				18					75							
EIZO GmbH Display Technologies Siemensallee 84 76187 Karlsruhe, Germany ✆ +49 721 20321-0 **www.eizo.eu**	EIZO							47							110, 111		
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FUJIFILM EUROPE GMBH Heesenstr. 31 40549 Duesseldorf, Germany ✆ +49 211 5089-246 **www.fujifilm.de/medical**	FUJIFILM		2	143					55			82, 83	88, 99			115	121
GE Healthcare 283 Rue de la Minière 78533 BUC Cedex, France ✆ +33 130-704040 **www.gehealthcare.com**	GE Healthcare	2	2	143	8	21, 22		39, 42	55	66, 69, 71			88, 90, 99	103, 104			122, 123
GEMED GmbH Ortsstr. 56 89081 Ulm, Germany ✆ +49-7304-9191-60 info@gemed.de **www.gemed.de**	GEMED Gesellschaft für medizinisches Datenmanagement mbH	2	2	143													
General Medical Merate S.p.A. Via Partigiani, 25 24068 Seriate (BG), Italy ✆ +39 035 4525311 info@gmmspa.com **www.gmmspa.com**	GMM												90, 91				

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Hitachi Medical Systems Europe (Holding) AG Sumpfstrasse 24 6300 Zug, Switzerland ✆ +41 41-748 63 33 **www.hitachimedicalsystems.com**				9	24											123, 124
Hologic, Inc. 35 Crosby Drive Bedford, MA 01730, USA ✆ +1.781.999.7300 **www.hologic.com**					32		42	58, 59		75						
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IMAGE Information Systems Europe Ltd. Lange Straße 16, 18055 Rostock, Germany ✆ +49 381 203 38 58 ✆ +49 381 660 80 43, **www.image-systems.biz**											83			111		
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medavis GmbH Bannwaldallee 60 76185 Karlsruhe, Germany ✆ +49 721 92910-360 **www.medavis.com**	2	2														
MMS Medicor Medical Supplies GmbH Heinrich-Hertz-Strasse 6 50170 Kerpen, Germany ✆ +49 2273 9808-0 **www.mms-medicor.de**				9	25											
medifa-hesse GmbH & Co. KG Industriestraße 5 57413 Finnentrop, Germany ✆ +49 2721 7177-0 **www.medifa.com**				17	31		46									
medigration GmbH Schuhstr. 30 91052 Erlangen, Germany ✆ +49 9131 69087-40 **www.medigration.de**		2	143					59				92, 93			116, 118	
medison Europe Valkweg 1 1118 EC Schiphol, The Netherlands ✆ +31 206 554 735 **www.medison.com**																126, 127
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Medtronic International Trading Sàrl Route du Molliau 31 1131 Tolochenaz, Switzerland ✆ +41-21-802-0 **www.medtronicnavigation.com**					24		44									
SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD. Mindray Building Keji 12th Road South, High-tech Industrial Park Nanshan, Shenzhen 518057, China. Tel: +86 (755) 26582888, 26582492 intl-market@mindray.com · **mindray.com**					25							93				127, 128
Mitsubishi Electric Europe B.V. Gothaer Str. 8, 40880 Ratingen, Germany ✆ +49-(0)2102-4861666 **www.mitsubishi-vis.de**															116, 117	

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NDS Surgical Imaging Nijverheidscentrum 28 2761 JP Zevenhuizen, The Netherlands ✆ +31 180 63 4356 **www.ndssi.com**																
MMS Medicor Medical Supplies GmbH Heinrich-Hertz-Strasse 6 50170 Kerpen, Germany ✆ +49 2273 9808-0 **www.mms-medicor.de**						36										
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PTW-Freiburg Physikalisch-Technische Werkstätten Dr. Pychlau GmbH Lörracher Str. 7 79115 Freiburg, Germany ✆ +49 761 49055 0 **www.ptw.de**				18			48	64	76			101	106			
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RTI Electronics AB Göteborgsvägen 97/50 43137 Mölndal, Sweden ✆ +46 31746 3600 **www.rtielectronics.com**				18			49		77			101	106			

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SCHILLER AG Altgasse 68, P.O. Box 1052 6341 Baar, Switzerland ✆ +41 41 766 42 42 **www.schiller.ch**	SCHILLER The Art of Diagnostics					32											
SCS **Software Computer Solutions GmbH** Wermbachstrasse 50-52 63739 Aschaffenburg, Germany ✆ 06021 - 429430 mhoppe@myscs.com **www.myscs.com**	SCS				17												
Sectra Imtec AB Teknikringen 20 583 30 Linkoeping, Sweden ✆ +46 13235200 **www.sectra.se/medical**	SECTRA		2	143					60, 62								
Shimadzu Europa GmbH Medical Systems Division, Albert-Hahn-Str. 6-10, 47269 Duisburg, Germany ✆ +49 203 7687-0 **www.shimadzu.eu**	SHIMADZU							40, 45		68, 70, 72, 73			96, 99, 100				
Siemens AG, Healthcare sector Henkestr. 127 91052 Erlangen, Germany ✆ +49 9131 84-0 **www.siemens.com/healthcare**	SIEMENS	2	2	143	10, 12	28, 29		40, 41, 45	62, 63, 64	68, 70, 73			97, 98, 100	105, 106			130, 131, 135
Sonoscape CO.,Ltd. 9/F.Yizhe Building, Yuquan Rd., Shenzen, 518051, China ✆ +86-755-26722890 sonoscape@sonoscape.net **www.sonoscape.com**	SonoScape																132
SuperSonic Imagine Les Jardins de la Duranne, Bât E & F 510, rue René Descartes 13857 Aix-en-Provence, France ✆ +33 (0)4 88 19 68 55 contactsFR@supersonicimagine.fr **www.supersonicimagine.fr**	SUPERSONIC imagine The Theragnostic Company®																
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Tetenal AG & CO. KG Schützenwall 31-35 22844 Norderstedt, Germany ✆ +49-40-521 45-0 saleseurope@tetenal.com **www.tetenal.de**	TETENAL Medical Imaging Division												98			117	

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TOMOVATION GmbH Erinstr. 28 44575 Castrop-Rauxel, Germany ✆ +49 2305 97322-0 **www.tomovation.com**				19	32	34							106			
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Totoku Hammfelddamm 6 41460 Neuss, Germany +49-2131-36668-0 info@totoku.de **www.totoku.de**														113		
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Ultrasonix Medical Corporation 130 – 4311 Viking Way Richmond, BC, Canada,V6V 2K9 ✆ +01 604 279 8550 **www.ultrasonix.com**																133, 134
Valmex Photografische Produkte GmbH Partnachweg 1 86165 Augsburg, Germany ✆ +49 821 71 96 03 **www.valmex.de**												98				
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VISUS Technology Transfer GmbH Universitätsstraße 136 44799 Bochum, Germany ✆ +49 234 93693-0 sales@visus.com **www.visus.com**	2	2	143													
Vital Images Europe B.V. Muzenstraat 89 2511 WB Den Haag, The Netherlands ✆ +31 704 262 181 **www.vitalimages.com**		2	143	19												
Ningbo Xingaoyi Medical Instruments Co. Ltd (XGY Medical) 777 West Tanjialing Rd., 315400 Yuyao, China ✆ +86 574 62730899 **www.china-mri.com**					30, 31											
ZONARE Medical Systems, Inc 420 N. Bernardo Ave Mountain View, CA 94043-5209, USA ✆ +1-(650) 230-2800 **www.zonare.com**																134

Workstation

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DIGITHURST	TeamView	TeamView e-pacs			
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iSOFT					
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VISUS	JiveX Diagnostic	JiveX Diagnostic Mammo	JiveX Diagnostic	JiveX Diagnostic	3rd party
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Advanced Visualization

IMPAX	**Agfa HealthCare** Septestraat 27 · B – 2640 Mortsel ✆ +32 3 444 94 44 **www.agfa.com**
3rd Party SW	**CHILI GmbH** Burgstrasse 61 · D – 69121 Heidelberg ✆ +49 6221 18079-10 info@chili-radiology.com · **www.chili-radiology.com**
	Digithurst Wasserrunzel 5 · D – 91186 Büchenbach ✆ +49-(0)91 71-96 71 0 marketing@digithurst.de · **www.digithurst.de**
SYNAPSE SYNAPSE 3D	**FUJIFILM EUROPE GMBH** Heesenstr. 31 · D – 40549 Duesseldorf ✆ +49 211 5089-246 **www.fujifilm.de/medical**
AW Server	**GE Healthcare** Lerchenbergstr. 15 · D – 89160 Dornstadt ✆ +49 7348 9861-0 **www.gehealthcare.com**
GEMD-PACS 3D	**GEMED GmbH** Ortsstr. 56 · D - 89081 Ulm ✆ +49-7304-9191-60 info@gemed.de · **www.gemed.de**
iQ-VIEW PRO 3D	**IMAGE Information Systems Europe Ltd.** Lange Straße 16 · D - 18055 Rostock ✆ +49 381 496 58 20 Fax +49 381 203 38 59 · **www.image-systems.biz**
	iSOFT Health GmbH Am Exerzierplatz 14 · D – 68167 Mannheim ✆ +49 621 3928-0 **www.isofthealth.com**
Hyper.PACS and 3rd Party SW	**ITZ Medicom GmbH & Co KG** Siemensring 44a · D – 47877 Willich ✆ 0 21 54 / 49 79 60 **www.itz-medi.com**
Acies	**Konica Minolta Medical & Graphic Imaging Europe B.V.** Frankfurtstraat 40 · NL – 1175 RH Lijnden ✆ +31 20 659 02 60 **www.konicaminolta.eu**
	medavis GmbH Bannwaldallee 60 · D – 76185 Karlsruhe ✆ +49 721 92910-360 marketing@medavis.com · **www.medavis.com**
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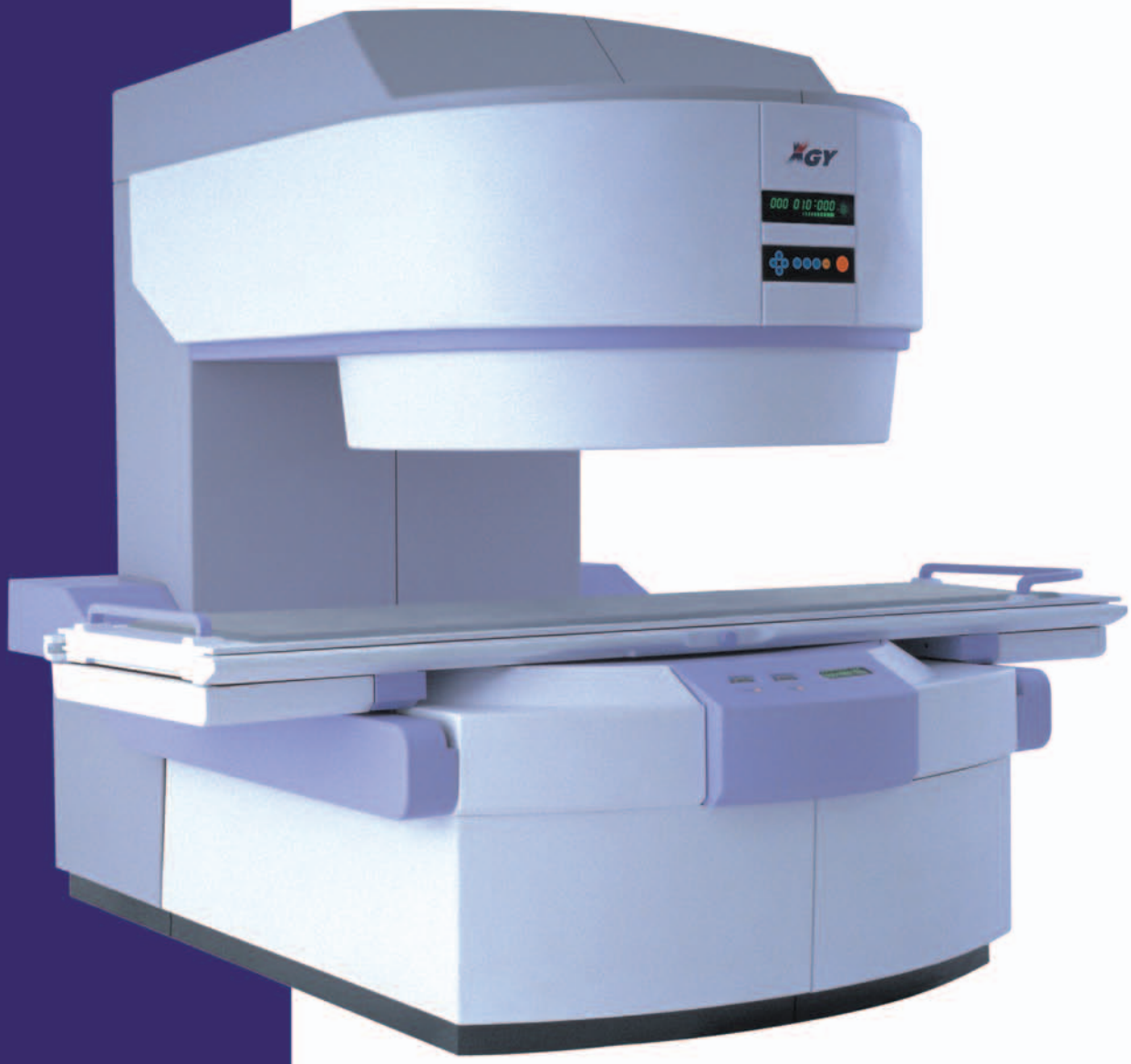
syngo.via	**Siemens AG**, Healthcare Sector Henkestr. 127 · D – 91052 Erlangen ✆ +49 9131 84-0 **www.siemens.com/healthcare**
	Telepaxx Software GmbH Wasserrunzel 5 · D – 91186 Büchenbach ✆ +49 9171 89 81 80 info@telepaxx.com · **www.telepaxx.com**
Visage 7	**Visage Imaging GmbH** Lepsiusstr. 70 · D – 12163 Berlin ✆ +49 30 700968-0 **www.visageimaging.com**
JiveX Diagnostic 3D	**VISUS Technology Transfer GmbH** Universitätsstraße 136 · D – 44799 Bochum ✆ +49 234 93693-0 sales@visus.com · **www.visus.com**
Vitrea Enterprise Suite	**Vital Images Europe B.V.** Muzenstraat 89 · NL – 2511 WB Den Haag ✆ +31 704 262 181 info@vitalimages.com · **www.vitalimages.com**



OPER-0.4 MRI system is a type of permanent magnet MRI that 0.4T, has all functions of the middle field MRI, low operating cost and few malfunction.

A Highlights

- Higher SNR & Larger Imaging range with Multi-RF Channels
- Excellent Image with fully performed scanning sequences
- Low power consumption, low failure rate, high operating ratio
- Small installation site

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