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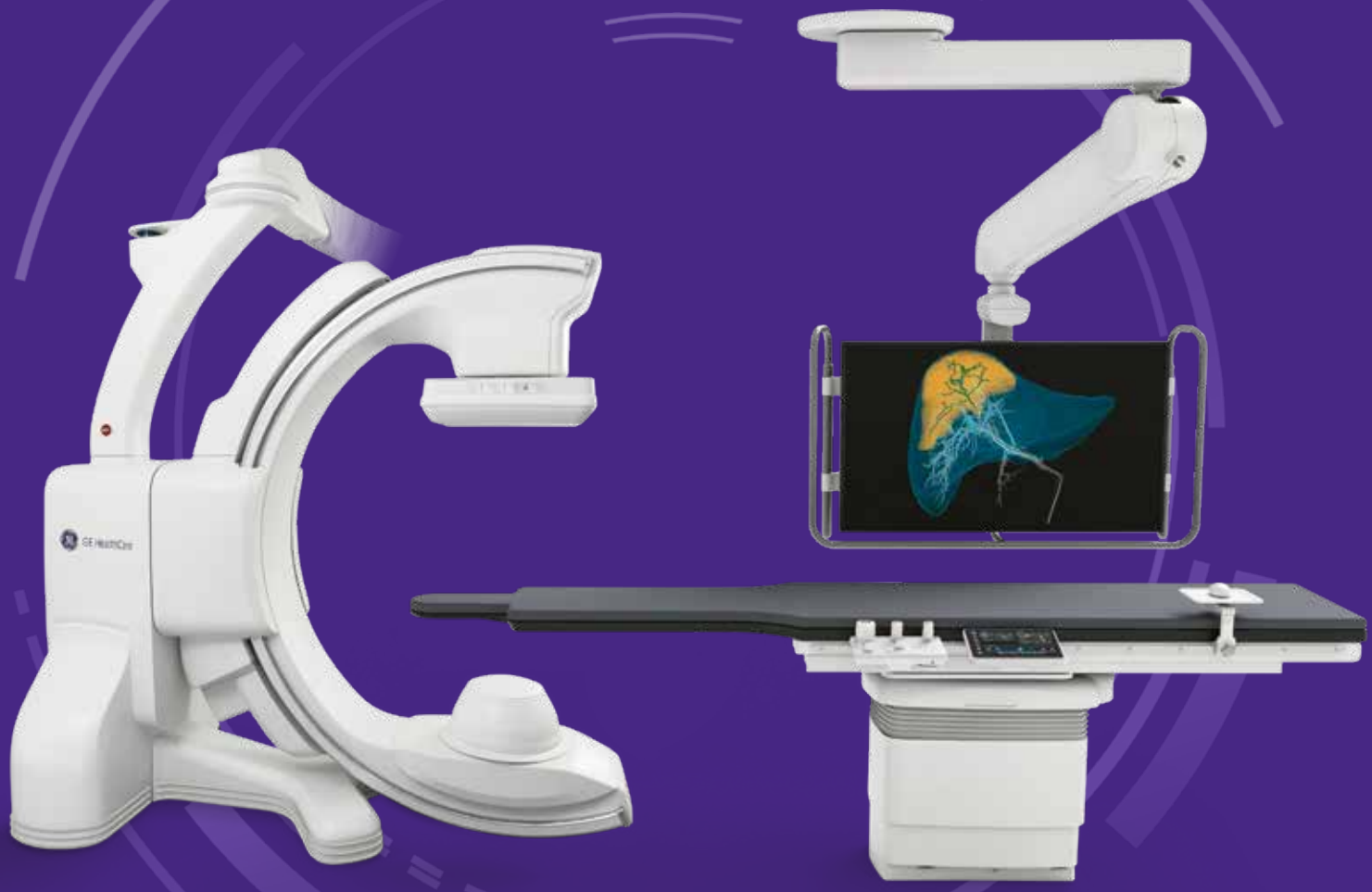
RADBOOK 2026

The Guide to Imaging Technology and Informatics in Europe

Vol. 20



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mgo fachverlage

Dear reader,

Radiology has always been about seeing what others cannot – and acting on it. In 2026, this mission is more vital than ever. As healthcare systems worldwide grapple with rising demand, workforce shortages, and the imperative to deliver sustainable care, diagnostic imaging stands at the centre of the solution.

This year's RADBook showcases how the industry is rising to meet these challenges. Artificial intelligence continues to mature from a promising concept into a clinical reality. AI-powered tools now support radiologists in detecting breast cancer with remarkable accuracy, reducing workload while enhancing diagnostic confidence. These systems do not replace expertise – they amplify it, giving professionals more time to focus on complex cases and patient interaction.

Cardiac imaging, too, is advancing rapidly – faster acquisition times, deeper tissue characterisation, and smarter analysis are redefining what is possible in cardiovascular diagnostics. These innovations enable earlier detection of disease, more precise risk stratification, and ultimately better outcomes for patients.

Sustainability remains a guiding principle. Manufacturers continue to develop systems that consume less energy, require fewer resources, and support greener workflows – without compromising image quality or diagnostic precision.

This catalogue offers a comprehensive overview of the equipment, software, and accessories driving these developments. We invite you to explore the innovations shaping modern radiology – and to discover tools that support your work today and into the future.

Discover what's next!

Best regards,

Wolfgang Behrends
Specialist Editor Healthcare

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Products & Solutions

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Computed Tomography

Photon-Counting
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Photon-counting CT

Dunlee • Xpert CT Product Bundle for fast time-to market

Highlights

- X-ray Tube, generator, cooling unit and cables
- CoolGlide LMB and Flat Emitter for fast workflow & high reliability
- XS focal spots for ultra-high resolution imaging & photon counting detectors
  - 6 options from 1x1 x1.2 down to 0.4 x 0.5 (IEC)
- Fast gantry rotation up to 250 RPM
- Platform approach: Allows 3 different tubes on the same gantry design
- Tube options, CT6000 (8 cm coverage, 100kW), CT6500 (8 cm coverage 120kW), CT8000 (16 cm coverage, 100 KW)

Volume CT

GE HealthCare • Revolution Ascend

Slices	Power	Rotation frequency
64/128 (20–40 mm coverage)	72/55 kW	0.35 s

Highlights

The Revolution Ascend platform, featuring a 75-cm gantry opening and scannable range of 200 cm, is individually configurable and can be upgraded at any time (detector coverage: 20–40 mm). The entire workflow is designed for efficiency and automation, supported by AI-based features such as the Xtream camera for fully automated patient centering, Auto prescription for automatic selection of individual scan parameters, and much more.

Low-dose cardiac imaging benefits from motion-artifact reduction, achieving temporal resolution of up to 29 ms[1]. TrueFidelity, the 2025th generation of deep-learning-based image reconstruction, enables innovative image quality at same dose. With Smart Subscription, the system always keep up to date with recent computing platform, clinical software applications and workflow innovations.

[1] SnapShot Freeze requires CardIQ Xpress 2.0 Reveal on AW VS6, VS7 or AW Server.

Volume CT

GE HealthCare • Revolution Maxima

Slices	Power	Rotation frequency
64/128 (40 mm coverage)	72/55 kW	0.35 s

Highlights

The Revolution Maxima sets a new standard in CT operation with the Xtream camera and AI-based one-click auto-centering and auto-positioning, featuring a 70 cm gantry opening. Digital Tilt enables angled image reconstruction, while dual focal spot and liquid-metal bearing technology ensure high precision. Additional benefits include a 1,024 × 1,024 pixel reconstruction matrix, improved metal-artifact reduction, and ASiR-V, enabling up to 82% dose reduction compared to FBP at equal image quality*. The system is also available as the commercial configuration Revolution Maxima Select with 64 slices and 20 mm coverage. TrueFidelity, the next generation of deep-learning-based image reconstruction, enhances image impressions beyond current iterative methods. With Smart Subscription, the system continuously receives the latest technology.

*Image quality as defined by low contrast detectability.

Volume CT

GE HealthCare • Revolution Vibe

Slices	Power	Rotation frequency
Up to 512 (160 mm coverage)	108 kW	0,23 s

Highlights

The latest member of the Revolution platform, the Revolution Vibe, is equipped with an 80-cm gantry and reaches up to 1,300 mA using the Quantix-160 X-ray tubes, with coverage of up to 160 mm. Together with the 2025th reconstruction technologies, this enables image quality with exceptional resolution for highly precise and fast diagnostics as well as low-dose imaging. One-beat cardiac imaging with motion-artifact reduction for temporal resolution of up to 19.5 ms is also possible without ECG triggering.

The CT system is equipped for an efficient workflow with AI-based features such as fully automated patient positioning. In addition to TrueFidelity, the 2025th generation of deep-learning-based image reconstruction, Smart Subscription is also available, ensuring the system always receives the latest technology.

Cone Beam CT

Cefla • Newtom 7G - Dual Energy

FOV	Scan time	Pixel size
4 × 4 cm – 29 × 56 cm	7.2s ÷ 26.0 s	90 – 500 µm

Highlights

Newtom 7G is the most advanced CBCT device on the market, applying Cone Beam technology to all areas of the body. The 7G adjusts FOVs and X-ray doses according to the patient's body build, generating images with a resolution of up to 90 µm. Designed to acquire bilateral hip images, it captures a horizontally extended FOV of 40 x 17 cm. The quality of Newtom 7G examinations now also benefits from Dual Energy technology applied to CBCT. This technique uses two different energy levels to more clearly and precisely identify the chemical composition of the tissues in the investigated area.

Cone Beam CT

Cefla • Newtom GiANO HR Range

FOV	Scan time	Pixel size
4 × 4 cm – 16 × 18 cm	3,6 s ÷ 33,6 s	68 – 100 µm

Highlights

GiANO HR exists in 3 configurations:

- 3D Prime: 10 × 8 cm for all dental and implant planning needs
- 3D Advanced: 13 × 16 cm with FOV for maximum endodontic resolution to complete ENT analysis
- 3D Professional: 16 × 18 cm to investigate the entire dental-maxillofacial area and cervical spine

With the relocatable CMOS CsI sensor, teleradiographic system, and Direct Conversion Detector option, GiANO HR produces high quality 2D images for cephalometric and carpal examinations.

Cone Beam CT

Cefla • Newtom VGi evo

FOV	Scan time	Pixel size
5 × 5 cm – 24 × 19 cm	15s ÷ 25s	100 µm

Highlights

VGi evo ensures a broad range of FOVs for acquisitions up to 24 × 19 cm. Volumetric, panoramic and teleradiographic exams as well as dynamic X-rays are available. Excellent image quality with very low radiated doses safeguards the patient's health. A single scan generates HiRes images of airways, both TMJs, maxillary and nasal sinuses. Clear, precise scans reveal greater details of both the internal ear and the petrous bone, making VGi evo an ideal choice for otorhinolaryngology investigations.

Cone Beam CT

Dunlee • Bundled kV onboard imaging solution for your IGRT

Highlights

- XD300 flat-panel detector with customized anti-scatter grid for improved signal-to-noise ratio & X-Ray tube DA1094 with excellent reliability and high lifetime for reduced system downtime
- Large field-of-view 43cm x 43cm (17in x 17in) α-Si flat panel with enhanced soft-tissue visibility through excellent DQE, linearity, MTF and high, 16-bit dynamic range
- Flexible binning options enabling high frame-rates (up to 150 fps)
- Small focal spot sizes to enable high resolution imaging

Cone Beam CT

Planmed Oy • Planmed Verity

FOV	Scan time	Pixel size
13x16cm	18 seconds	127 µm

Highlights

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

Cone Beam CT

Planmed Oy • Planmed XFI

FOV	Scan time	Pixel size
5x5cm - 23x44cm	8 seconds	148 µm

Highlights

- Unique CBCT device for full-body* orthopedic and trauma imaging of bony structures
- Wide bore and large field-of-view to accommodate imaging of larger anatomies
- Excellent image quality with low patient dose
- Installation vertically for weight-bearing (WB) imaging or horizontally for supine or prone imaging

*all imaging modes are not for sale in EU

Accessories / Complementary Systems

Dunlee • 3D printed pure tungsten anti-scatter grids

Highlights

- Maximum design freedom
- Small feature size of 80 µm
- Less X-ray scatter for premium image quality
- Improved and simplified assembly processes that save costs
- Access to top-level detection and grid design expertise to co-create from conceptualization to mass production

Accessories / Complementary Systems

Febromed • get up® Patient Transfer Aid

Highlights

Every day, radiographers and healthcare staff assist numerous patients who are unable to actively support themselves when standing up, during transfers or repositioning. This results in significant physical strain – particularly on the back.

The **get up® patient transfer aid by febromed** enables patients to actively participate in the standing, transfer and repositioning process. By gripping and pulling themselves up, part of the movement is transferred to the patient, significantly reducing physical strain for medical staff and supporting a more ergonomic workflow in the radiology environment.

»A small handle. A big impact.«

The get up® system can be easily integrated into existing examination rooms and supports safe, controlled patient mobilisation – improving comfort, safety and staff wellbeing in daily clinical practice.

febromed GmbH & Co. KG | www.febromed.de

Accessories / Complementary Systems

I.A.E. • RTC 165

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

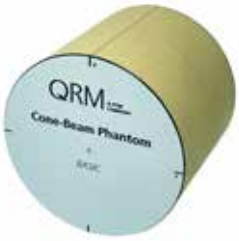
Accessories / Complementary Systems

PTW • QRM Calcium Scoring Phantom, D100

Highlights
- Calibration standard for cardiac CT
- Investigate the detectability of coronary calcifications
- Achieve reproducible scoring results
- Include CaHA targets in different sizes and density

Accessories / Complementary Systems

PTW • QRM Cone-Beam Phantom



Highlights
- Multipurpose phantom for comparison of different CT and CBCT scanner solutions
- Assess all relevant image quality metrics
- Provides different low contrast sections and spatial resolution bar patterns
- Allows MTF measurements in different orientations

Accessories / Complementary Systems

PTW • QRM Coronary Artery Stenosis Phantoms

Highlights
- For the analysis of different case studies for coronary artery disease
- 3 different sets with various plaque and lumen combinations
- Placement of up to three coronary artery phantoms with the specially designed holder
- Simulation of a (semi-)anthropomorphic measurement environment with the optional thorax phantom

Accessories / Complementary Systems

PTW • QRM Lung Nodule Phantom

Highlights
- For the verification of lung-dose screening programs
- For the detection of various lung nodules within the lung region
- For covering diverse imaging scenarios with respect to nodule type and grey value (e.g. ground glass opacity)
- For the evaluation of algorithm performance across heterogeneous patient datasets
- For the development and validation of robust computer-aided detection and diagnosis systems

Accessories / Complementary Systems

PTW • QRM Multi-Energy QA Phantom

Highlights
- For different types of CT systems with dual-energy, multi-energy or photon-counting setups
- Test multi-energy spectral CT protocols and post-processing techniques
- Decompose Iodine and CaHA levels
- A set of 26 inserts including rods enriched with several contrast media
- Other materials can be manufactured upon request

94.7% of radiology professionals report musculoskeletal complaints – why patient transfer matters

Radiology professionals face high physical demands in their daily work. A study conducted in Western Switzerland with 359 participants shows the extent of this burden: **94.7% reported musculoskeletal complaints within the previous 12 months, and 67.7% within the last seven days.** In addition, 15.6% had already been absent from work due to these conditions. The neck and lower back were most frequently affected (Fernandes et al., 2023).

One of the most physically demanding tasks in daily routine is patient transfer onto positioning tables in CT, MRI and X-Ray. Unfavorable lifting and pulling movements, time pressure and repetitive manual handling can quickly lead to overload and injury. Improving ergonomics at this critical point is therefore essential.

The **get up® patient transfer aid** from febromed addresses this challenge by supporting patients during standing up, repositioning and transfer. The swiveling handle allows patients to actively participate in the movement, reducing physical strain on radiology staff while improving safety and stability.

The get up® can be used as a handhold, standing aid and transfer aid in one system. It is available in ceiling-mounted, floor-mounted and wall-mounted versions, allowing integration into different room concepts. Defined swivel limits and locking mechanisms help prevent collisions with CT, MRI or X-Ray machines.

By enabling stable, guided movement, the system reduces strain on the back and shoulders, avoids twisted postures and lowers peak physical loads. Fully MRI-compatible, it supports consistent transfer workflows across imaging modalities.

www.febromed.de | *vertrieb@febromed.de*

Source: Fernandes K et al. Radiographers' musculoskeletal health in Western Switzerland. Work. 2023;74(4): 1527–1537.

Accessories / Complementary Systems

Transatlantic • Transaflow Multi-APS safety and PWL/PWLS 12h

Highlights

Quality 'Made in Germany': The safety filling systems Transaflow Multi-APS Safety in combination with the patient lines with integrated germ barrier Transaflow PWL or PWLS are suitable for all common CT and MRI syringe injectors. They offer all the advantages of a closed system: they are leak-proof, do not drip and do not stick. Several check valves and a self-sealing, disinfectable safety valve provide the best possible hygienic safety for patients and users. Multi-APS-Safety-systems and PWL/PWLS are produced in Germany and are available in many variants (Mini spike, insertion spike with drip chamber, for scanbag, filled flasks etc.). They are approved for up to twelve hours of use.

Accessories / Complementary Systems

Transatlantic • Transaflow Multi-APS safety and PWL/PWLS 24h

Highlights

24h application duration with quality 'Made in Germany': The Transaflow Multi-APS Safety filling systems are suitable for all common CT and MRI syringe injectors in conjunction with the Transaflow PWL or PWLS patient lines with integrated germ barrier. They offer all the advantages of a closed system: they are leak-proof, do not drip and do not stick. Several high-quality check valves and a self-sealing, disinfectable safety valve provide the best possible hygienic safety for patients and users. Multi-APS Safety Systems and PWL/PWLS are produced in Germany and are available in many variants (mini spike, puncture spike with drip chamber, for scanbag, prefilled flasks, etc.). They are approved for up to 24 hours of use.

Accessories / Complementary Systems

Transatlantic • Transaflow Multi-Patient-Syringe-System 12/24h

Highlights

Make your syringe injector safe for 12h or 24h multi-patient use, regardless of injector manufacturer. Transatlantic has been manufacturing and distributing multi-patient transfer systems for contrast media applications for over 10 years. The products are suitable for CT and MRI and a transfer system can be used on all common piston injectors. This makes ordering processes simpler and stock-keeping clearer and less expensive. The user works with one product and the routine is standardized. No more sticky bottoms or stuck systems! Our drip stop in our Multi-APS transfer systems also offers this special advantage.
Transatlantic – your reliable partner for transfer systems. Quality Made in Germany.

Magnetic Resonance Imaging

3 Tesla

1.5 Tesla

Accessories /
Complementary Systems

3 Tesla

GE HealthCare • SIGNA Hero

Field strength	Gradient	Slewrate
3.0 T	45 mT/m	200 T/m/s

Highlights

The SIGNA™ Hero is GE HealthCare's advanced 3T MRI scanner designed to tackle even the most challenging clinical demands. It enhances both clinician and patient experience through improved efficiency, comfort, and streamlined workflow supported by intelligent tools like AIR™ Recon DL, AIR x™, and AIR Touch™. With its 70 cm bore and blanket-like AIR™ Coils, it offers greater patient comfort and broader anatomical coverage, reducing the need for repositioning. The system delivers exceptional image quality using deep-learning reconstruction algorithms, enabling sharper, faster MRI scans across a wide range of anatomies. Designed for productivity, SIGNA Hero helps departments manage demanding schedules by simplifying routine and complex exams while reducing scan times-such as cutting prostate imaging time by about 50% compared to earlier 1.5T systems. It also supports sustainable operation through environmentally conscious design elements, contributing to greater long-term efficiency.

1.5 Tesla

GE HealthCare • SIGNA Champion

Field strength	Gradient	Slewrate
1.5 T	35 mT/m	140 T/m/s

Highlights

The SIGNA™ Champion is GE HealthCare's latest high-performance 1.5T wide-bore MRI system designed to deliver exceptional imaging quality and an improved patient experience. It leverages advanced technologies such as AIR™ Recon DL and AIR™ Coils, enabling clearer, sharper images with shorter scan times through deep-learning-based reconstruction. Its wide 70 cm bore and comfortable, flexible coil design help reduce patient anxiety and support natural positioning, even for challenging cases. The system emphasizes accessibility and efficiency, offering modular hardware and software options to fit diverse clinical needs while maintaining high productivity. Designed for global healthcare equity, SIGNA Champion aims to make advanced MRI diagnostics more consistent, comfortable, and widely available.

1.5 Tesla

GE HealthCare • SIGNA Voyager Premier Edition

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

Highlights

The MRI system Signa Voyager Premier Edition, featuring forward-thinking, energy-efficient technology, Total Digital Imaging, and ultra-high-efficiency (UHE) gradients, offers excellent patient comfort and high image quality. In addition, the system achieves strong productivity through the Signa Works platform, the acceleration technologies HyperSense and HyperBand, as well as the latest AI-based innovations such as the AIR Recon DL image reconstruction. The advanced AIR technology with ultra-lightweight coils ensures outstanding image quality.

Accessories / Complementary Systems

allMRI • Foldable MRI Wheelchair

Highlights

- MRI safe foldable wheelchair
- Entirely made of 100 % thermoplastic
- Including the ball bearing
- Two swing out adjustable footrests and armrests
- Solid rubber tires

Accessories / Complementary Systems

Quart • MRI Test Phantom

Highlights

- The Quart MRI test phantom was the first-to-market product to meet the requirements of the new MRI QA standard.
- It enables assessment of MRI equipment according to the IEC 62464-1 (2018) and features tracking of IQ parameters for a selectable time period, performance comparisons of different MR scanners and early identification of potential hardware failure.
- The phantom is associated with a QA image scoring software which introduces a new approach and allows time-efficient MRI QA procedures.

Accessories / Complementary Systems

SCHILLER AG • MAGLIFE RT-1

Highlights

SCHILLER's MAGLIFE RT-1 performs patient monitoring in an MRI environment:

- Including all necessary vital parameters during anaesthesia, in adults, children and neonates. Monitors 10 vital parameters: ECG, SpO_2, NIBP; IBP; $etCO_2$, anaesthetic agents, O_2, N_2O; spirometry; temperature (optical measurement)
- Compatible with any MRI systems (field strength: 0.2 – 3 Tesla), can be used as close as 50 cm from the MRI
- 15.6" colour TFT touch screen; wireless ECG and SpO_2 sensors

Injectors

Injectors

Accessories /
Complementary Systems

Injectors

Guerbet • Illumena Néo

Application	Pressure	FlowRate
CT / Angio / Cardio	5.2–82.7 bar[1] / 5.2–21 bar[2]	0.1–40 ml/s[1] / 0.1–10 ml/s[2]

Highlights

Multi-Mode contrast delivery System

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

Components and consumables selected by the manufacturer
[1] Angio mode / [2] CT mode

Injectors

Guerbet • OptiOne

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml/s

Highlights

Single Head CT contrast delivery system

- Compatible with prefilled syringes & vials
- Scan delay, phase delay, auto-fill, auto purge
- Timing bolus, inject delay
- Fully programmable touchscreen powerhead
- Scanner relay interface as standard*
- OptiBolus bolus shaping software extends the window of imaging opportunity
- Configurations: Pedestal and ceiling mount
- Loading, filling & priming: automatic / manual
- Heater : 37° ± 3°

* dependent on scanner manufacturer
Components and consumables selected by the manufacturer

Injectors

Guerbet • OptiStar Elite

Application	Pressure	FlowRate
MR	10.3 / 13.8 bar*	0.1 – 10 ml/s / 0.1 – 8 ml/s*

Highlights

MR contrast delivery system

- Volume precision down to 0.1mL thanks to fractional delivery
- Optic fiber technology
- Compatible with prefilled syringes & vials
- Battery free & 3T certified
- One click loading & Auto-retract rams
- Powerhead keys & Console enable
- Patency check, Drip mode & Timing bolus
- Colour touchscreen
- Automatic pressure control

Components and consumables selected by the manufacturer
*dependent on type of syringe

Injectors

Guerbet • OptiVantage Multi-use

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml / s

Highlights

Dual head CT contrast delivery system

- OptiBolus feature to help reduce the contrast load
- Dedicated multi-patient software
- All in one preconnected 24h dayset (closed system, air & particles filters)
- Patient lines with security valves
- Only a few seconds preparation between patients
- Countdown timer to alert you of compliancy with hygiene regulations
- Safe with patency check, tilt enable, timing bolus & simultaneous Injection features
- Automatic filling and priming
- Scanner interface CAN Open Class 4*

Components and consumables selected by the manufacturer
* dependent on scanner manufacturer

Injectors

Guerbet • OptiVantage Single-Use

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml / s

Highlights

Dual head CT contrast delivery system

- OptiBolus feature to help reduce the contrast load
- Scan delay, phase delay, auto-fill, auto purge
- Timing bolus, inject delay, patency check
- Fully programmable touchscreen powerhead
- Scanner interface to CAN Open Class 4*
- Configurations: Pedestal and ceiling mount options
- Loading, filling & priming: Automatic / manual
- Simultaneous injection: 10 – 90 % (5 % steps)
- Heater: 37° ± 3°

Components and consumables selected by the manufacturer
* dependent on scanner manufacturer

Injectors

Medtron AG • Accutron® CT

Application	Pressure	FlowRate
CT	21 bar	0.1–10 ml/s

Highlights

- Whether you are budget conscious or newly exploring the potential use of a powered injector in your CT department, Accutron® CT is your starting point
- Provides real-time pressure monitoring which allows for improved precision and safety
- Consistent reliability helps to reduce repeat examinations due to contrast mistiming

Injectors

Medtron AG • Accutron® CT-D Vision

Application	Pressure	FlowRate
CT	21 bar	0.1–10 ml/s

Highlights

- New design for more comfort with improved readability, new battery management system and new casters
- Enriched user experience with a simpler workflow and better patient care
- Integrated with RIS and PACS (as an option) as well as with the scanner interface to reduce workload for the operator and improve patient turnaround times
- Limits patient risk by reducing the amount of contrast a patient receives during injection
- Supports the development of contrast-enhanced mammography, a new clinical service in mammography; leading to potentially increased revenue

Injectors

Medtron AG • Accutron® HP

Application	Pressure	FlowRate
Angio	83 bar[1] / 21 bar[2]	0.1–30 ml/s[1] / 0.1–10 ml/s[2]

Highlights

- Enables interdisciplinary clinical imaging examinations in both angiography and computed tomography
- Wireless and mobile configuration provides flexibility to quickly change examination rooms and eliminates barriers; such as nearby power requirements and/or cable installation
  - Reduces risk of infections by being easy to clean and hygienic
  - Integration with the angiographic system reduces workload for the operator and improves patient turnaround times

[1]Angio mode / [2]CT mode

Injectors

Medtron AG • Accutron® HP-D

Application	Pressure	FlowRate
Angio	83 bar[1] / 21 bar[2]	0.1–30 ml/s[1]/ 0.1–10 ml/s[2]

Highlights

- Reduces beam hardening artifacts through flexible adjustment of contrast concentration using saline
- Cleanly defined & reproducible contrast media boli' can be achieved by pushing contrast media with a saline bolus
- Wireless and mobile configuration with flexibility to quickly change exam rooms and eliminates power requirements
- May reduce the amount of contrast required per patient resulting in less operating expenses

[1]Angio mode / [2]CT mode

Injectors

Medtron AG • Accutron® MR

Application	Pressure	FlowRate
MR	21 bar	0.1–10 ml

Highlights

- Keep Vein Open (KVO) software feature helps to maintain vascular access during longer imaging procedures
- Compatibility with selected pre-filled syringes makes it easier to change and select the most suitable contrast medium for each patient
- Can be used with two touch screen remote controls so that one injector is shared between two MR examination rooms

Injectors

Medtron AG • Accutron® MR3

Application	Pressure	FlowRate
MR	21 bar	0.1–10 ml/s[1]; 000.1–30 ml/s[2]

Highlights

- Works with select pre-filled syringes to increase throughput via quick use and improved patient turnaround times
- Integrated infusion pump enables simultaneous administration of additional medication needed by some patients to undergo MRI examination

[1]CM/NaCl / [2]Infusion pump

Accessories / Complementary Systems

Guerbet • Essential '+' patient line, with double level safety valve

Application	Technology	Pressure
CT & MRI patient line	Double level safety valve	350 PSI

Highlights

- **Need a patient line**, designed to limit risk of contamination(*), with minimum 2 silicon valves?
- **Double-valve system**, for CT & MRI, 24 bars, rotative luer, short length for a sustainable radiology
- High opening pressure threshold
- Get ready in seconds: just change the safety line between patients
- Luer-lock connectivity: optimized compatibility with most injectors and day-sets (8h, 12h & 24h)

(*) Guerbet. A review of effectiveness of non-return valves in patient lines utilized in multi-dosing injection systems. White Paper. September 2025. 4 p.

Accessories / Complementary Systems

Guerbet • Essential patient line, with two valves system

Application	Technology	Pressure
CT & MRI patient line	Two valves system	350 PSI

Highlights

- **Need a patient line**, designed to limit risk of contamination(*), with minimum 2 silicon valves?
- **Two valves system**, for CT & MRI, 24 bars, short length for a sustainable radiology
- Get ready in seconds: just change the safety line between patients
- Luer-lock connectivity: optimized compatibility with most injectors and day-sets (8h, 12h & 24h)

(*) Guerbet. A review of effectiveness of non-return valves in patient lines utilized in multi-dosing injection systems. White Paper. September 2025. 4 p.

Accessories / Complementary Systems

Guerbet • manyfill dayset 24h

Application	Technology	Pressure
24h CT & MRI dayset	All in one, with air-chambers	350 PSI

Highlights

- **Need a day-set**, designed to limit risk of contamination?
- **All-in-one pre-connected** day-set: avoid multiple connections
- **Air-chambers**: avoid entry of air inside the system; no need to purge the whole system once fully loaded with contrast and saline
- Color-coding: quickly identify contrast & saline sides
- Valves: avoid mixing of liquids
- Luer-lock: compatibility with most injectors & patient lines (8h, 12h & 24h)
- For CT & MRI, 24 bars
- Long dayset, to work with short patient lines, for a sustainable workflow

Accessories / Complementary Systems

Guerbet • secufill patient line, with double level safety valve

Application	Technology	Pressure
CT & MRI patient line	Double level safety valve	350 PSI

Highlights

- **Need a proven & qualitative barrier against microbes?**
- **Double level safety valve**, for CT & MRI, 24bars, specially designed to limit risk of contamination
- Ask for evidence! When multi-patient safety lies on a patient line, do rely on a proven technology: +25 years of experience, and **supporting study**(*)
- Get ready in seconds: just change secufill between patients
- Luer-lock connectivity: optimized compatibility with most injectors and day-sets (8h, 12h & 24h)

(*) https://pubmed.ncbi.nlm.nih.gov/26538217

Interventional Systems

Single Plane

Surgical Flat Panel Systems

Surgical Flat Panel C-Arms

Surgical II-C-Arms

Hybrid-Ops

Surgical Robot

Accessories / Complementary Systems

Expert perspectives from ESC 2025

Faster, smarter, deeper: how new technologies redefine cardiac imaging

Cardiac imaging is evolving, and new techniques continue to uncover the secrets of the heart for cardiologists who know how to use them. At the ESC 2025 Congress in Madrid, four experts explored cutting-edge developments across different modalities. Ranging from AI-assisted ultrasound image acquisition and accelerated MRI protocols to advanced prognostic tools for CT and nuclear imaging, these novel approaches provide a promising glimpse of what the next generation of cardiac imaging is capable of.

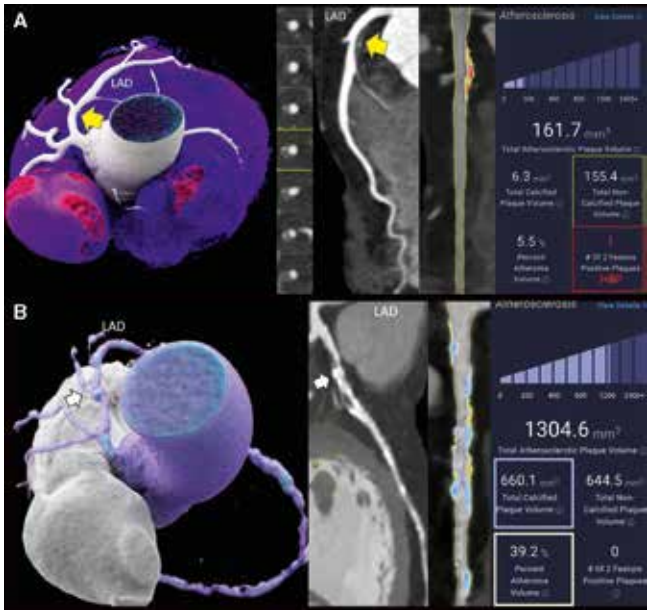
Article: Wolfgang Behrends

Starting off the expert panel, William A. Zoghbi, MD, pointed out how AI can help flatten the notoriously steep learning curve of ultrasound image acquisition. This technology, which the expert from the Houston Methodist DeBakey Heart & Vascular Center, USA, likened to "image quality metre, almost like Wi-Fi bars", provides automated guidance on how to obtain the relevant images for rheumatic heart disease screening. [1] 'This will have quite a bit of impact for novices, increasing the time for expertise and the availability in rural areas and underserved areas,' he predicted, 'not only for rheumatic heart disease, but also in heart failure and any other screening.'

Other advances also bring benefits to more experienced sonographers, such as AI-based quantification of cardiac volumes and automated reporting. [2] Even though there will still be the need for a human to verify the AI-generated content, this will significantly reduce examination times, Dr Zoghbi emphasized. Building on this foundation, algorithms have even taken on disease detection and interpretation, he continued, highlighting a recent model capable of detecting cardiac amyloidosis from a single video. [3]

Moving from detection to prediction, cardiologists should harness the technology's ability to extrapolate data from multiple sources for risk assessment, the expert advised: 'That's what patients really care about.' [4]

So, will echocardiography thrive with the new technology or suffer from its impact? For Dr Zoghbi, the answer is clear: 'AI is not a threat, but it is indeed an opportunity for echocardiography to grow and have more impact,' he concluded. 'It is really amazing that every few years, there is a new innovation in echocardiography that not only allows us to see and understand the heart better but hopefully also help take care of patients and improve their overall outcome.'



A, A 55-year-old woman with atypical chest pain and 2 cardiovascular risk factors (CVRFs): arterial hypertension, dyslipidemia, obesity, and hyperuricemia. Coronary computed tomography angiography (CTA) showed a noncalcified plaque (NCP) in the proximal left anterior descending (LAD) coronary artery (yellow arrow) with less than 50% diameter stenosis. Treatment with lipid-lowering therapy (statin+ezetimibe) and antihypertensive medication was initiated, and she remained event-free. Right, Artificial intelligence–based quantitative computed tomography (AI-QCT) plaque analysis showed an NCP volume of 155.4 mm3 (yellow box) and high-risk-plaque (HRP; red box) features. Note that color overlay (mid) facilitates the delineation of NCP and HRP. B, A 65-year-old woman with atypical chest pain, dyspnea, and a high coronary risk profile (5 CVRFs), smoking, arterial hypertension, positive family history, dyslipidemia, diabetes, and high lipoprotein A (89.1 ng/dL), who experienced major adverse cardiovascular event and underwent percutaneous coronary intervention (PCI) (LAD prox/mid/distal and right coronary artery [RCA]). Coronary CTA: white arrow pointing at calcified plaque in the proximal LAD. Mid, Curved multiplanar reformation. Right, AI-QCT plaque analysis revealed high total plaque volume (stage 3) with high calcified, high noncalcified plaque volume, and high percentage atheroma volume (39.2%). Source: Feuchtner GM, Lacaita PG, Bax JJ et al.; Circulation: Cardiovascular Imaging 2025 (CC BY 4.0)

The cardiac imaging pipeline of the smart cardiac magnetic resonance delivering one-click and comprehensive assessment of cardiovascular disease project funded by the European Research Council under the European Union's Horizon 2020 research and innovation programme.
Image source: Bustin A, Stuber M, Sermesant M, Cochet H; European Heart Journal 2023 (CC BY-NC 4.0)

Cardiac CT: less radiation, fewer artifacts, more applications

This enthusiasm was shared by Prof. Dr Dr Christoph Gräni. Speaking as a champion for CT, he had no difficulty in listing the many advances the modality – which already had a strong standing in cardiac imaging to begin with – underwent in recent years: Adding to its high acquisition speed, new technologies greatly improved image quality while reducing radiation exposure to a minimum. The Head of Cardiac Imaging at Bern University Hospital, Switzerland, was particularly impressed with the prognostic value: 'From a normal coronary CT, we can give the patient a guarantee of ten years that he or she doesn't have a myocardial infarction – that's a very strong statement.' [5]

On the hardware side, the introduction of photon-counting CT has significantly pushed the diagnostic capabilities. The new technology increases resolution, but also reduces imaging artifacts like blooming, Gräni observed, allowing for new insight in patients with coronary calcifications or stents. [6]

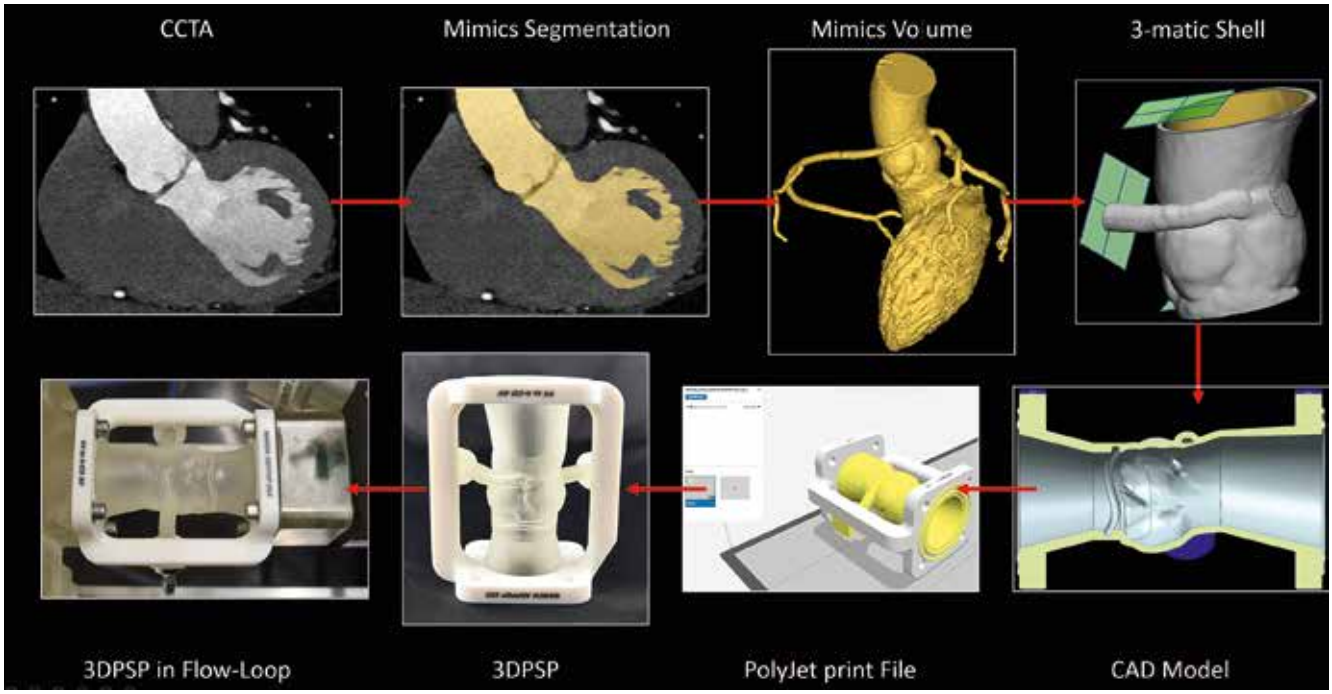
'It's mainly the scanner technology which has evolved but also the post-processing,' he said. 'And this entire journey is accelerated and improved by artificial intelligence.' Among the many promising CT applications for AI, the expert highlighted solutions for reducing inter-reader variability [7], harnessing the prognostic potential of coronary plaque and fat attenuation [8, 9, 10], and detecting rare diseases like coronary artery anomalies. [11]

Another exciting development the expert pointed out is in simulating procedure outcomes: Whereas prior approaches already implemented data-driven digital twins, more recent research has turned to producing 3D-printed physical twins for hemodynamic stress testing. [12] 'You do a 3D printing out of the CT scan and then you apply it into a flow loop,' Gräni explained. In the future, he predicted, these physical twins will help cardiologists to predict coronary obstructions, ruptures, help with lifetime management of cardiac implants, and much more. How far into the future? The expert is convinced that 'these patient-specific digital and physical twins, I'm sure will come very soon'.

CMR: advances in speed and user-friendliness

With such strong competition, will cardiac MRI (CMR) be left behind? According to Dr Chiara Bucciarelli-Ducci, this modality is neither obsolete – nor is it slow: 'CMR can be quick, and it is quick if you know what you are doing, [13] the cardiologist from Royal Brompton and Harefield Hospital, UK, stated. And not only is it fast, but it also delivers clinically relevant information, she pointed out. Using the right protocols, comprehensive stress CMR for ischemic heart disease investigation can reliably be performed in well under 20 minutes. [14] Add new features such as one-click image assessments [15] and AI-assisted auto-contouring [16], and cardiologists have a very powerful modality at their hands: 'When I started CMR 20 years ago, it was taking an hour to analyse and was very operator-dependent,' the expert said. 'Now, you do one click and all the AI does the contouring for you, not just of the volumes but also the late enhancement.'

The future of the modality is bright as well, according to the Bucciarelli-Ducci: From CMR fingerprinting for simultaneous and reproducible measurement of T1 and T2 maps in a single scan [17], multitasking for setup-free imaging [18], quantitative perfusion imaging to non-invasively diagnose ischaemia [19], to oxygenation-sensitive CMR for contrast- and needle-free heart failure diagnostics [20] – there are plenty of new approaches to improve the already strong foundation and close the implementation gap. 'By making CMR quicker, easier, empowering more users, and making it safer, we can work towards making it as available and as fast as CT – and we're getting there,' she concluded.



Workflow from CCTA-based creation of the 3D–printed patient-specific phantom (3DPSP) to its integration into hemodynamic testing in the flow loop. CAD = computer-aided design; CCTA = coronary computed tomography angiography.

Image source: Illi J, Stark AW, Ilic M et al.; JACC: Case Reports 2024 (CC BY 4.0)

Nuclear imaging: seeing the cardiovascular system as a whole

Compared to MRI, which is considered the first-line diagnostic tool for a wide range of cardiovascular conditions, nuclear imaging plays a less prominent role. Despite its niche role, however, the modality should not be overlooked, said Marc Dweck, Professor of Clinical Cardiology and Consultant at the University of Edinburgh and final speaker of the expert panel. 'Actually, I think nuclear imaging has the most exciting future compared to other techniques, at least in terms of the incremental information that I think it's going to provide us over the next few years,' he shared.

Molecular PET imaging, with its ability to not only assess anatomy of cardiac function, but monitor the activity of specific processes, is particularly promising in this regard. For example, FDG PET imaging is already used to detect inflammation and infection in prosthetic valve endocarditis and cardiac sarcoidosis. [21] New tracers like 18F-fluoride, 18F-fluoride GP1, and FAPI expand on this by providing even more detailed insights into inflammation, thrombus formation, calcification activity, and fibrosis activity. [22] 'Now we have tracers that inform about each of the major pathologies or pathological processes that drive cardiovascular disease,' Dweck pointed out. 'This opens up really interesting opportunities to better understand disease, but also to make strides about improving diagnosis, assessing response to therapy, and more.' This is especially relevant for diseases with no clear underlying cause, such as stroke, he added.

The advent of total body PET scanners is another milestone for nuclear imaging, enabling a comprehensive look at the cardiovascular system as a whole. 'We can look at the brain, we can look at the heart, we can look at the peripheral vasculature,' Dweck said. 'And it allows us to look at interactions between different organ systems. If we combine that with the amazing new tracers that we have, I hope you will now agree that this is the most exciting cardiovascular imaging technology for the future.'

Who does the future belong to?

So, how do these advances translate to future cardiac imaging? Maybe Gräni put it best when he concluded: 'Multimodal imaging is key; that's what we do nowadays, but that will also be the future. We have the patient in the centre with a clinical question and we try to best answer that by deciding which modality or which combination of modalities we choose. So, there's no one best modality or one modality wins over the other.'

William A. Zoghbi, MD, is the Elkins Family Distinguished Chair in Cardiac Health, chair of the Department of Cardiology at Houston Methodist DeBakey Heart and Vascular Center, and Professor of Medicine at Weill Cornell Medical College and the Houston Methodist Academic Institute, USA. He has dedicated his career to advancements in clinical cardiology, enhancing non-invasive approaches to assess and managing

cardiac disease through cardiovascular imaging. His areas of expertise include valvular heart disease, coronary artery disease and heart failure, emphasizing a patient-centered approach to medicine and general cardiology.

Dr Christoph Gräni is Professor in Cardiology at the University of Bern, Switzerland, and Director of Cardiac Imaging, covering Echocardiography, Cardiac Magnetic Resonance, Cardiac Computed Tomography and Nuclear Cardiology at the University Hospital Bern. One of his main research focuses is on improving the diagnosis and risk stratification of different cardiomyopathies, myocarditis and cardiac amyloidosis, using multimodality cardiac imaging myocardial function analysis and fibrosis assessment. Additionally, his research includes non-invasive assessment of coronary artery disease, especially coronary artery anomalies.

Dr Chiara Bucciarelli-Ducci is a cardiologist from Royal Brompton and Harefield Hospital, UK and associate professor at King College London's School of Biomedical Engineering & Imaging. She is an international opinion leader on the use of CMR in cardiovascular medicine and has over 20 years of clinical experience and expertise. Her career focuses on improving the care of patients by improving the identification of heart abnormalities in a wide range of conditions and symptoms.

Dr Marc Dweck is Professor of Clinical Cardiology and Consultant at the University of Edinburgh, UK. He is Vice President of EACVI with clinical interests in multi-modality imaging and cardiac device implantation. His research program is centred around the use of multi-modality imaging (echo, CT, CMR, PET) to improve our understanding of cardiovascular pathophysiology and ultimately to improve patient assessment, care and outcomes. He has published in many of the leading medical and cardiovascular journals and is the recipient of numerous national and international awards.

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Single Plane

Technix S.p.A. • Quantic

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

Highlights

- Detector size: 43 × 43 cm
- Advanced DR fluoroscopic equipment design to satisfy a wide range of applications
- The fully motorized C-arm assures possibility to work with FPD above and below the combined table
- Synchronized movements between C-arm and patient table
- The strength of the system is achieved thanks to the integration of fluoroscopy and radiography in one system with a user-friendly interface

Surgical Flat Panel Systems

Medtronic • O-arm O2 Surgical Imaging System

Highlights

- Designed for surgery
- Fully mobile
- Flexible intra-operative 2D and 3D imaging
- Easy in use: All motions motorized
- Seamless integration in OR-workflow
- Easy draping of breakable gantry for uncompromised sterile use
- Robotic memory positioning of up to 4 scan positions
- 13s 360° 3D standard and low dose scan
- New AI based Spine Smart Dose reconstruction: 7s scan time and dose savings up to 70% vs. standard
- 2D long film up to 48cm
- New 3D long scan up to 44cm
- Seamless integration with StealthStation™ navigation

Surgical Flat Panel C-Arms

GE HealthCare • OEC 3D

Power	Detector size	Dimensions
15 kW	31 × 31 cm	211 × 84 × 184 cm

Highlights

The OEC 3D C-arm is a newly developed system that can be easily integrated into existing surgical workflows thanks to its intuitive operation and easy handling, providing high-resolution 3D and 2D images with a large field of view. The fast switch between 2D and 3D increases efficiency and versatility in applications ranging from spine and orthopedics to cardiac and vascular surgery. With an acquisition volume of 19 × 19 × 19 cm, the OEC 3D captures a 67% larger volume than other 3D C-arms (according to published specifications) and offers a true isocentric orbital movement range of 200°.

New features such as Augmented Fluoroscopy, Smart Brush for segmentation, as well as Line of Interest for Needle Assist significantly expand the clinical application spectrum. The new OEC 3D also enables a 16-second 3D scan (HD Sprint) for fast, precise intraoperative imaging.

Surgical Flat Panel C-Arms

GE HealthCare • OEC Elite CFD

Power	Detector size	Dimensions
15 kW	31 × 31 cm and 21 × 21 cm	204 × 197 × 84 cm

Highlights

The OEC Elite CFD operates using the latest CMOS detector technology with an efficient crystal structure, delivering high grayscale resolution even at low dose. The detector size can be selected as either 21 × 21 cm or 31 × 31 cm. True continuous fluoroscopy enables enhanced detail visualization. The latest image-processing functions provide noise reduction resulting in image quality comparable to that of a 30-kW generator. Image display in the squircle format ensures no restrictions in the field of view when rotating images. A large immersion depth and up to 55 degrees of overscan are achieved through the Super-C design. The system offers application possibilities ranging from orthopedics to pain management and ERCP, all the way to vascular and cardiothoracic procedures. Operation via the touchpad significantly simplifies working with the system. The system is also available as compact-version.

Surgical Flat Panel C-Arms

GE HealthCare • OEC MiniView MAX

Power	Detector size	Dimensions
12,8 W	15 × 15 cm	179 × 74 × 97 cm

Highlights

The OEC MiniView MAX can be controlled quickly and easily with just one hand. The innovative mini-C-arm with a wireless footswitch enables simple positioning during any procedure. Two full-featured monitors display live and reference images in identical quality and resolution. Image quality and dose are optimized using modern CMOS detector technology. The C-arm offers reliability and increased productivity.

Surgical Flat Panel C-Arms

GE HealthCare • OEC One CFD

Power	Detector size	Dimensions
4 kW	31 × 31 cm and 21 × 21 cm	178 × 180 × 78 cm

Highlights

The OEC One CFD is a mobile standard C-arm for general surgery, gastroenterology, trauma surgery, orthopedics, and pain management. The compact system is extremely flexible, requires little space, and can be operated very intuitively thanks to the tablet touchscreen. The modern CMOS detector, the ClearView imaging chain (1.5k × 1.5k), and a 27-inch 4K UHD monitor enable true-to-detail 1:1 image reproduction. A pulse mode with up to 12 pulses/s reduces the dose. OEC One offers full DICOM functionality and optional vascular capability, wireless footswitch, monitor cart, and Wi-Fi connectivity.

The new OEC One CFD expands these features with a 4-kW generator for demanding patients, 90° overscan, improved cooling, and VAS 12 software. Premium features such as Trajectory Pointer, Image Stitching, and Wireless Live Cast increase precision and efficiency in daily clinical practice.

Surgical Flat Panel C-Arms

GMM Group • Symbol FP Plus

Power	Detector size	Anode
Monoblock generator 8 kW	21x21 cm & 30x30 cm	Rotating & Static anode

Highlights

Robust and lightweight structure - Large C-Arm dimensions with wide movements range- Minimum quote of XR beam axis in lateral projection - High performance Monoblock Generator - High quality touchscreen monitor - Availability of different Flat Panel detectors -Advanced solutions for dose reduction - Intuitive software for a total clinical workflow management - Also available with separate trolley workstation

Mobile C-Arm with Flat Panel Detector

Surgical Flat Panel C-Arms

Intermedical • Radius EVO

Power	Detector
5/20 kW	21x21 cm/30x30 cm

Highlights

- 5 kW or 20 kW power
- 20 kW liquid-coleed unit for more efficient heat dissipation
- Removable anti-scatter grid
- C-arm movements identified by different colors
- User-friendly touchscreen control console
- Monitor trolley equipped with a single 27" high resolution monitor digitally split into live and reference displays

Surgical Flat Panel C-Arms

Intermedical • Radius XP

Power	Detector
30 kW	21x21 cm/30x30 cm

Highlights

- Digital memory with acquisition up to 25 frames/sec.
- All C-arm movements are motorized
- Dual Cooling system for immediate and effective heat dissipation
- Dual Power system (power reserve)
- Color-coded axes and brake handles for intuitive and easier orientation

Surgical Flat Panel C-Arms

Stephanix • Omniscop DReam

Power	Detector	Pixel size
5kW, 20kW or 25 kW	21x21 cm or 30x30 cm	154 µm (aSI) or 146 µm (IZGO)

Highlights

- Orthopaedic: Hip and femur nailing, Tibia and Humerus fractures, Pelvis.
- Head & Column: Spine fixations, Pain treatment, Neuromodulation.
- Thorax: Pacemaker connections, Electro-Physiology Biopsies, Ventricular-abdominal
- Abdomen: Percutaneous nephrolithotomy (PCNL), Urethroscopy, Cystoscopy, Cholangiography, E.R.C.P.
- Vascular peripheral, abdominal and cerebral
- Cardiac: Angioplasty, percutaneous coronary intervention (P.C.I)
- Advanced functions:
  - DSA, metal correction, low dose mode
  - IZGO detector for better overall value
  - DICOM 3.0 connectivity
  - Large C-Arm depth and wide orbital rotation

Surgical Flat Panel C-Arms

Stephanix • Omniscop DReam-S

Power	Detector	Pixel size
5 kW	21x21 cm or 30x30 cm	200 µm

Highlights

- Orthopaedic / Urology / Cerebral / Thoracic / Pain therapy / Peripheral vascular using DSA function- Interventional Radiology
- Single unit system, all components integrated into the C-arm stand
- Very small footprint
- 4 Mpixel 27" medical monitor on an articulated arm, adjustable height and angle
- Dynamic FPD with high DQE and MTF
- Advanced functions : APR, post-processings, metal correction, low dose mode, DSA
- DICOM 3.0 connectivity
- Flat panel detector size : 21 x 21 cm / 30 x 30 cm
- Optional patient table

Surgical Flat Panel C-Arms

Stephanix • Omniscop DReam-S Efficiency

Power	Detector	Pixel size
4 kW	21 × 21 cm	200 µm

Highlights

- Orthopaedic / Urology / Cerebral / Thoracic / Interventional Radiology / General intra-operatory
- Single unit system, all components integrated into the C-arm stand
- Very small footprint
- 4 Mpixel 27" medical monitor on an articulated arm, adjustable height and angle
- Dynamic FPD with high DQE and MTF
- Advanced functions : Anatomical programming mode (APR), post-processings, metal correction, low dose mode
- DICOM 3.0 connectivity
- Flat panel detector size : 21 x 21 cm
- Optional patient table

Surgical Flat Panel C-Arms

Technix S.p.A. • TCA 7

Power	Detector	Pixel size
5 / 20 kW	21x21 cm / 30x30 cm	205 µm / 194 µm

Highlights

- Rotating anode, water cooled for long procedures
- Large C-Arm and wide orbital rotation for easy patient positioning
- Intuitive touchscreen user interface with image preview
- Removable grid and motorized filters for pediatric applications
- Up to 250.000 image storage capacity
- CD / DVD and USB for image exporting
- Full DICOM connectivity

Surgical Flat Panel C-Arms

Technix S.p.A. • TCA 7 Compact

Power	Detector	Pixel size
3,5 kW / 5 kW	21x21 cm / 30x30 cm	200 µm

Highlights

- Fixed (3,5 kW) or rotating (5 kW) anode
- Compact dimensions and wide orbital rotation
- Integrated display and processing station
- Intuitive touchscreen user interface with image preview
- Removable grid and motorized filters for pediatric applications
- CD/DVD and USB for image exporting
- Full DICOM connectivity

Surgical Flat Panel C-Arms

Villa Sistemi Medicali • Arcovis DRF

Power	Detector	Panel size
5 / 20 / 25 kW	Amorphous Silicon	30x30 / 21x21 cm

Highlights

- High-performance surgical C-Arm with 20x20 cm or 30x30 cm a-Si Flat Panel Detector
- Generator power 5 kW, 20 kW, or 25 kW
- Viewing station with dual 22" touch screen monitor
- Flexible positioning and effortless maneuverability
- Advanced software with a wide range of applications
- Intuitive touch screen controls, optional NFC login, quick access to exam protocols, and customizable operations for an optimized workflow

Surgical Flat Panel C-Arms

Villa Sistemi Medicali • Arcovis DRF-C R30

Power	Detector	Pixel size
5 kW	Amorphous Silicon	200 µm

Highlights

- Mobile C-arm system with 30x30 cm Flat Panel Detector and rotating anode
- 5 kW Generator power
- Compact, lightweight design for easy movements
- Amorphous Silicon detector, 30x30 cm FPD (21x21cm available)
- Removable anti-scatter grid reducing paediatric exam doses
- Dual laser localizer on monobloc and FPD for fast/precise positioning*
- Wired adjustable view station, 27" monitor*
- Wireless adjustable view station, 24" monitor*
- Active Cooling for reliable long-term operations*
- NFC technology for fast login and unit setup*

*(optional)

Surgical Flat Panel C-Arms

Villa Sistemi Medicali • Arcovis DRF-C S21

Power	Detector	Panel size
4 kW	Amorphous Silicon	21x21 cm

Highlights

- Mobile C-arm system with FP Detector 21x21 cm and a stationary anode for surgical imaging
- Generator power of 4 kW
- Compact and lightweight design for easy and swift movements in any direction
- Amorphous Silicon detector of 21x21 cm
- Removable anti-scatter grid reduces dose in paediatric exams
- Dual laser localizer, both on monobloc and FPD for fast and precise positioning on the target area*
- Wired adjustable view station with 27" monitor*

*(optional)

Surgical Flat Panel C-Arms

Villa Sistemi Medicali • Arcovis DRF R30-25k IGZO

Power	Detector type	Panel size
25 kW	IGZO	30x30 cm

Highlights

- High-performance surgical C-Arm with a 30x30 cm IGZO (Indium Gallium Zinc Oxide) flat panel detector and 25kW generator
- Full-resolution imaging (without pixel binning) in a 31.5" 4K monitor
- Flexible positioning and effortless maneuverability
- Advanced software with a wide range of applications
- Intuitive touch screen controls, optional NFC login, quick access to exam protocols, and customizable operations for an optimized workflow

Surgical II-C-Arms

Technix S.p.A. • TCA 6 Compact

Power	II format	CCD-matrix
3,5 kW	9"	1K x 1K

Highlights

- Highly optimized mobile system for surgical fluoroscopy and radiography
- Compact design to minimize space requirements
- Integrated touchscreen display and processing station
- Motorized column elevation
- +/- 60° rotating keyboard
- Triple field image intensifier
- Full DICOM connectivity

Surgical II-C-Arms

Villa Sistemi Medicali • Arcovis 3000 S / R

Power	II format	CCD-matrix
3.5 - 15 kW	9"	0.5 × 0.5 k / 1 × 1 k

Highlights

- Application in urology, cardiology, orthopedics and general surgery
- Choice between fixed anode (3000 S) or rotating anode (3000 R) versions
- Choice of 0.5 × 0.5 k or 1 × 1 k camera and several image storage options to satisfy all applications
- Premium version with 15 kW power, 1 × 1k camera

Hybrid-Ops

GE HealthCare • Allia IGS 5 Pulse

Resolution	Detector size	Detector
2.7 lp/mm, 2,048 × 2,048 px	20 × 20 cm, 30 × 30 cm	a Si/CsI, 84% DQE

Highlights

Allia IGS 5 Pulse is an interventional angiography system for radiology, cardiology, and neurology, featuring a newly developed user interface as well as a more powerful and quieter X-ray tube. Thanks to AI-based technologies for advanced image quality, such as CleaRecon DL, and the DoseCockpit, which continuously measures and adapts image quality and dose in real time, the system delivers optimal image quality at the lowest possible radiation dose. Image quality is outstanding for both thin and obese patients. With personalized system and software settings that can be activated at the touch of a button, Allia IGS 5 Pulse is particularly intuitive and comfortable to operate. A unique highlight is 3DStent: an intraoperative, 3D visualization of coronary stents in moving vessels-achieved without additional devices, procedural costs, or the use of contrast agents.

Hybrid-Ops

GE HealthCare • Allia Moveo

Resolution	Detector size	Detector
2.5 lp/mm, 2,048×2,048px	41 x 41 cm	a-Si photodiode array

Highlights

Allia Moveo is a next-generation interventional imaging system designed to enhance mobility, flexibility, and workflow efficiency in interventional radiology and hybrid ORs. Its compact, cable-free C-arm allows unrestricted movement around the patient, improving room utilization and ensuring full access during complex procedures. The wide-bore design supports cone-beam CT (CBCT) for a broad range of patient sizes, enabling advanced 3D imaging with high clinical versatility. AI-powered and augmented guidance tools assist precise navigation and streamline workflows from nearly any working position. SmartMove technology enables moving the C-arm away from the patient and back to its exact original position at the touch of a button, reducing setup time and interruptions. With an ergonomic, patient-centered design and future-ready workflow concepts, Allia Moveo delivers excellent imaging performance with outstanding ease of use.

Surgical Robot

Brain Navi • NaoTrac, Fully-Autonomous Surgical Navigation Robot

Highlights

NaoTrac is a fully autonomous surgical navigation robot designed to enhance precision, safety, and efficiency in neurosurgery. By seamlessly integrating advanced robotic technology with surgeons' expertise, NaoTrac streamlines surgical workflows, shortens the learning curve, and improves overall clinical performance. With real-time trajectory visualization. It enables precise lesion targeting while helping avoid critical nerves and blood vessels. **Designed to support—not replace—clinical expertise**, NaoTrac enhances surgical confidence, reduces operative risk, and minimizes tissue trauma, leading to safer procedures and improved patient outcomes.

NaoTrac supports a wide range of neurosurgical procedures, including: Biopsy & Tumor Ablation, ICH, Endoscopic Surgery, EVD, Trigeminal Nerve Interventions, SRF, SEEG, DBS, and targeted delivery.

NaoTrac has been cleared by both the U.S. FDA and CE Mark.

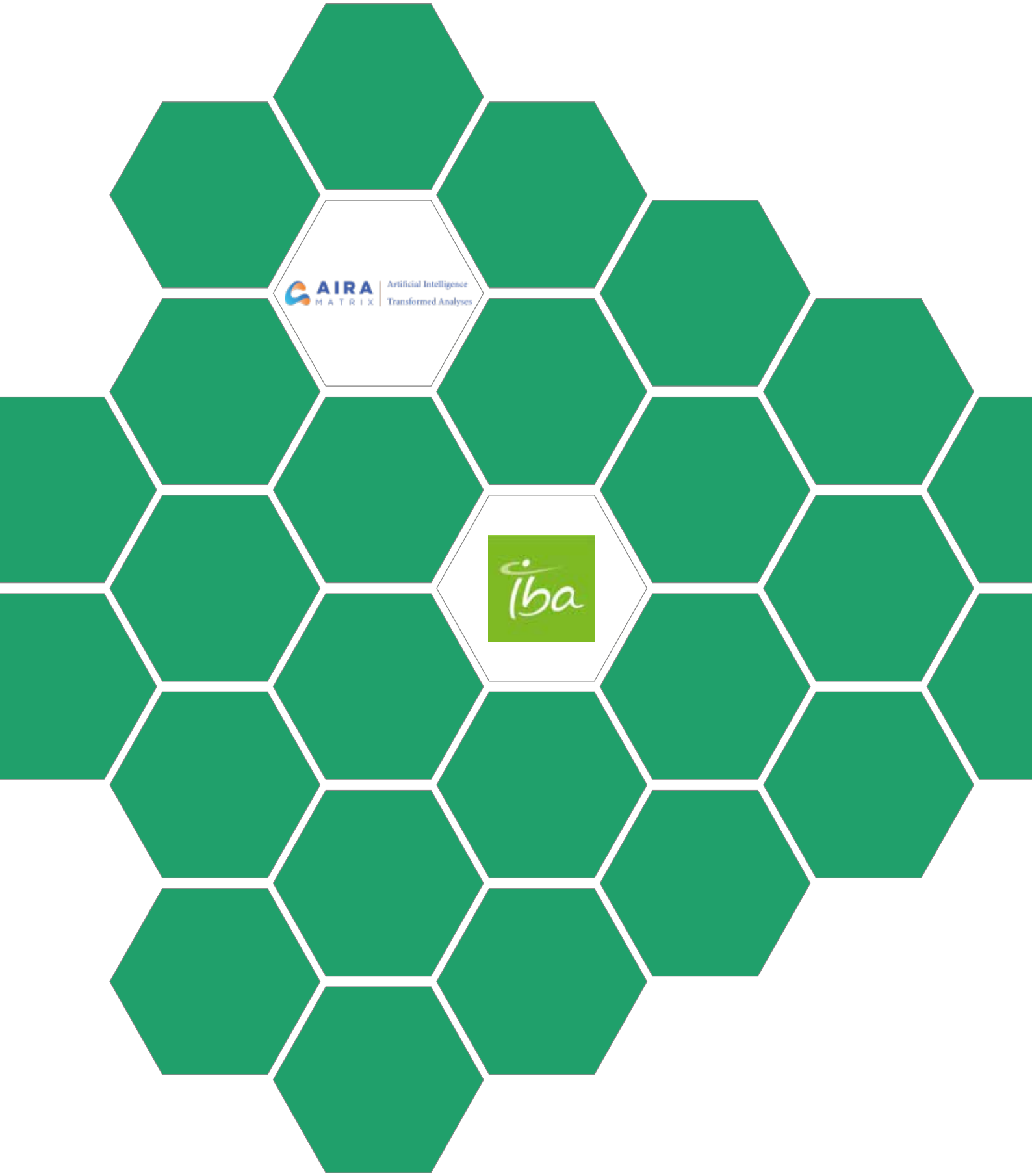
Accessories / Complementary Systems

I.A.E. • C30-RTM 70

Highlights

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

Artificial Intelligence



AI successfully supports radiologists in breast cancer screening

A Swedish hospital has successfully deployed an AI reader to support breast cancer screening and free up radiologists' time. The Capio Sankt Görans Hospital in Stockholm traditionally used two radiologists to read breast scans, but has now pivoted to using one radiologist and the AI technology.

Report: *Mark Nicholls*

Workflow and workload

Head physician at the Department of Breast Radiology, Dr Karin Dembrower, explained how the implementation had followed rigorous clinical trials and testing before deployment.

Speaking to delegates at the European Society of Breast Imaging annual scientific meeting, held in Aberdeen, Scotland, at the end of September in cooperation with the British Society of Breast Radiology, she said the deployment had improved workflow and eased workload on radiologists who were previously working evenings and weekends to tackle waiting list queues.

Her presentation 'Implementation of clinical Artificial Intelligence in breast radiology – who decides and how? was part of a session looking at 'AI from gadget to gain in breast imaging' with a series of expert speakers examining how the technology was supporting breast radiology departments across Europe.

Clinical trial

Dembrower specifically detailed how her hospital had made the transition to using AI in reading breast examinations.

In Sweden all women aged 40–74 are invited for screening every second year. That sees 80,000 women invited a year to her site with 75–80% attendance.

The standard of care for assessing screening mammograms traditionally saw two radiologists reading all mammograms, with 70% of all cancer cases detected within the screening programme. But with a shortage of breast radiologists, the hospital wanted to see if AI could address the key challenges.

The ScreenTrustCAD trial was launched in April 2021 to assess whether AI in mammography screening can replace one of two radiologists in a double-reading setting. It ran to June 2022 with 55,581 women participating.

Good results

Three strands saw: two radiologists reading scans, one radiologist with AI, and an AI-only track.

The two radiologists recalled 1629 women; AI plus one reader recalled 1556; and AI-only recalled 50% of those (861).

She said: 'Two radiologists found 250 cancer cases, AI plus one reader found 261, and AI-only found 246. The advanced cancer cases of more than 2cm that were node positive were 77 for two readers, 81 for AI plus one reader, and 78 for AI-only.

'These results were good and with a method better than the existing one, we started the process of implementing AI at our site.'

That saw one reader replaced with AI in the mammography screening process. Having worked with relevant authorities and vendors to ensure robust and secure IT systems, and an ethical and legal framework, the system went live in June 2023.

Task shifting

Performance so far has seen the recall rate fall by 26%, false positives decrease by 13%, an increase in the cancer detection rate among recalled woman of 55.5%, and the overall cancer detection showing a 12.2% rise.

The change also saw task shifting with a greater focus on diagnosed women and no more waiting queues or out-of-hours working for radiologists.

She also cited examples of women who had cancers picked up with a radiologist working alongside AI that may have been difficult to see with the human eye.

Dembrower conceded there was initial scepticism among colleagues but with AI, her department now has 'another tool to help us make the best decisions.'

Promoting curiosity

For a successful implementation she said a hospital environment that has a culture of promoting curiosity and innovation is key.

'We were lucky that we could take AI from research to clinical practice early and I think it is good to have researchers that are clinically active because it is easier to implement different projects,' she said.

The key question remains: who is responsible, who decides?

'In this case, she said, 'the radiologist is the lead and the decision maker.'

With the success of the ScreenTrustCad study with the AI plus one reader track, the focus is now shifting to the potential of the AI-only track.

Evidence is short-term

The session also heard from Professor Pascal Baltzer from the Department of Biomedical Imaging and Image-guided Therapy at Vienna General Hospital who looked at AI in screening from the perspective of the latest trials.

He said a key factor in AI in screening was the shortage of radiologists and a rising workload, though he also notes that digitalisation has allowed radiologists to be faster in reporting. He also pointed to a UK workforce census that indicated a 29% shortfall in radiology consultants at a time that imaging demand was growing by 8%.

However, while AI has potential for improved cancer detection and workflow efficiency, he warned of a risk of "over-enthusiasm" and that robust evidence is needed.

AI in screening

He discussed a number of trials including a meta analysis comparing AI screening with radiologists, the MASAI and ScreenTrustCAD trials from Sweden, alongside studies from Denmark, Germany, Hungary and South Korea, comparing AI systems to radiologists' performance.

In a summary of the evidence for AI in screening, he said it is regularly superior for cancer detection; that recall and false positives were stable or reduced; there is a significant workload reduction; but evidence is still short-term on interval cancers and overdiagnosis.

Giving his final verdict, Baltzer told delegates: 'AI is ready to assist, not yet intended to replace radiologists but the evidence supports use of AI in screening very clearly.

'The next step is the interval cancer data and legal clarity is also needed but these are all processes where radiologists should be integrated as much as possible.'

Dr Karin Dembrower

Dr Karin Dembrower is the head physician at the Department of Breast Radiology, Capio Sankt Görans Hospital in Stockholm and has been working as a dedicated breast radiologist since 2016. Her scientific work is focused on assessing how AI can be implemented to improve cancer detection and breast cancer risk estimation.

Pascal Baltzer

Pascal Baltzer is Professor for magnetic resonance radiology at the Medical University of Vienna and has been a radiologist at the Department of Biomedical Imaging and Image-guided Therapy at MedUni Vienna since 2012. His scientific focus is on magnetic resonance imaging (MRI) and he is internationally-recognised for his work on breast, bladder and prostate imaging.

Artificial Intelligence

AIRA Matrix • AIRAProstate

Highlights

Our AI-driven platform automating tumor detection, Gleason grading, ISUP grade grouping , and prognostic marker quantification in prostate biopsies and radical prostatectomies. The platform improves risk stratification and prognostication, thus personalising therapy and potentially improving treatment outcomes.

Artificial Intelligence

AIRA Matrix • AIRAQc

Highlights

Our AI-powered pre-analytical quality-control platform that identifies and quantifies artifacts in WSIs promptly flagging artifacts like air bubbles, tissue folds, knife lines or out of focus to ensure consistent image quality.

This in turn reduces the turnaround time and improves downstream accuracy. This solution is built for oncology diagnostics and clinical trials, our solutions deliver greater precision, efficiency, and impact across the cancer care pathway.

Artificial Intelligence

IBA • PhantomX - Abdomen Phantoms

Highlights

The **Abdomen Phantoms** are designed to support AI-based quality assurance in CT imaging.

They provide standardized, reproducible datasets for validating, training, and monitoring AI algorithms under clinically realistic conditions.

Suitable for routine QA, protocol optimization, and system comparison, these phantoms help ensure consistent image quality and robust AI performance across CT systems.

Artificial Intelligence

IBA • PhantomX - Head/Neck Phantom

Highlights

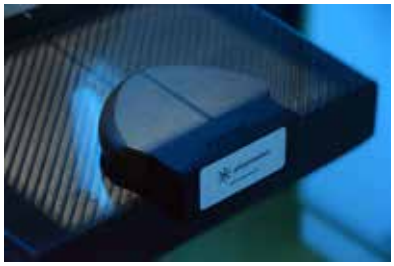
The **Head/Neck Phantoms** are designed to support AI-based quality assurance in CT imaging.

As a preferred solution for CTA AVM and lesion assessment, they provide standardized, reproducible datasets for validation, training, and ongoing monitoring of AI algorithms.

Suitable for protocol optimization, system comparison, and routine QA, these phantoms help ensure consistent image quality and reliable AI performance.

Artificial Intelligence

IBA • PhantomX - QA Breast Phantom



Highlights

The **Breast Phantom** is designed to support AI-based quality assurance in breast imaging.

With interchangeable microcalcification templates and lesion inserts, it provides standardized and reproducible image data for validation, training, and continuous monitoring of AI algorithms.

Suitable for routine QA, protocol optimization, and system comparison, it helps ensure consistent image quality and robust AI performance.

IT Systems

RIS

Business Intelligence

PACS

VNA

Remote Scanning

Reading

Portal Solutions

Mobile RIS / PACS Viewers

Dose Management Systems

Teleradiology

Accessories /
Complementary Systems

RIS

medavis GmbH • RIS

Highlights

Streamline your radiology workflow from appointment booking to billing and optimize all processes. With our radiology information system - stable, reliable and powerful. It perfectly integrates with PACS and other systems. And it supports digital communication with patients, referring physicians or clinical staff.

RIS

Mesalvo • MC³ Radiology | RadCentre Cockpit & Speech Integration

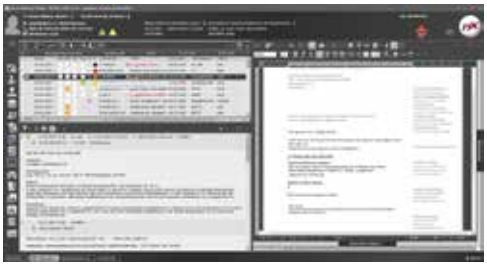
Highlights

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

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

RIS

Nexus/Chili • RIS



Highlights

- Modern and intuitive user interface
- Scheduling and resource management
- Seamless integration with all our radiology products, e.g. PACS and portals
- Context-sensitive integration of 3rd party solutions, e.g. speech recognition, structured reporting and dose management
- Integration server for the management and monitoring of DICOM or HL7 interfaces
- Business intelligence tools

Business Intelligence

Mesalvo • MC³ Radiology | RadCentre Analytics

Highlights

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

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

PACS

Examion • X-AQS

Highlights

Universal software platform for radiological image acquisition and management of all medical image data.

- High quality images in a few clicks
- Intuitive userfriendly GUI with clear menu structure and icons
- Modular architecture, adaptable to all needs
- Certified diagnostic viewer with comprehensive measurement functions
- Convenient web viewer

PACS

medavis GmbH • CD-DLX-Importer

Highlights

In addition to patient CDs, does your facility need to import more and more QR codes from many different patient portals? Thanks to our CD-DLX-Importer, you can download preliminary examinations from patient portals and patient CDs and import them automatically into any PACS.

PACS

medavis GmbH • image4med PACS

Highlights
Get a browser-based PACS with an enterprise viewer – speedy, customizable and user-friendly. Work on any device, at any workstation and any location. The viewing functions such as measurements, reconstructions and much more are extensive without being overwhelming. AI results can also be integrated.

PACS

Nexus/Chili • CHILI Portal-Downloader

Highlights
Easy import of data from patient portals into your system environment. The CHILI Portal-Downloader offers a standardized, user-friendly interface for downloading from numerous patient portals and forwarding the data to your existing system environment. The integration is seamless and very efficient thanks to the parallel processing of downloads. This saves valuable time and ensures a smooth workflow.

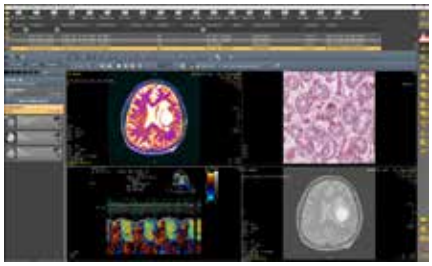
PACS

Nexus/Chili • Import PACS

Highlights
- PACS for external data from CD / teleradiology
- Temporary archive in addition to regular PACS
- Manual web-based import
- Automatic import with import robot
- Data reconciliation with own IDs (IHE compliant)
- Delivery to regular PACS, Works with any other PACS
- Adjustable automatic data removal
- DICOM Q / R capable

PACS

Nexus/Chili • PACS



Highlights
#Makes multimedia viewing possible regardless of platform and device **#**One viewer for all areas **#**Scalable (practice to enterprise) **#**Multitenancy **#**Fail over and load balancing**#**Archiving in existing systems**#**Interfaces and synchronisation with HIS / RIS **#**Supports multiple IHE workflows **#**Referring physician access**#**Teleconferencing**#**Consultation**#**Enables deep integration of AI providers: INCEPTO, DeepC, aidoc **#**Provides a basis for bidirectional networking via CHILI's own portals **#**Improves IT security by own access gateway in DMZ

VNA

Nexus/Chili • NEXUS / VNA

Highlights
• For centralized storage of DICOM, medical, administrative, and multimedia documents • Web-based, Java-enabled, PACS-independent, and suitable for teleradiology • Reporting-capable viewer (MDD class IIb) with full-text search, notes, and workflow integration • Role-based user management with central administration (LDAP / Active Directory) and extensive security features • Supports lossy and lossless compression, integration with EMR/EHR, and multi-department workflow coordination

VNA

Nexus/Chili • Web

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

Remote Scanning

GE HealthCare • Imaging 360

Highlights

Imaging 360 is a cloud-based platform that enables comprehensive visualization and structuring of radiology workflows. The solution includes the Operations, Protocols, and Remote modules, which provide detailed insights into process sequences and support standardized management as well as customization of examination protocols. In addition, Imaging 360 enables remote clinical support, allowing diagnostic assessments and consultations to be performed independently of location.

By integrating these capabilities, the platform helps increase process consistency, improve collaboration among clinical staff, and optimize overall radiology operations.

Key feature: holistic analysis of radiological processes

Reading

Nexus/Chili • Diagnost

Highlights

#Universal PACS Viewer, Independent of modality **#**CT, MR, CR, DR, PET, PET-CT, US, XA,... **#**Mammography **#**Radiotherapy **#**Powerful hanging protocols**#**Independent of operating system**#**Integrated teleradiology **#**Extensible by other applications **#**HIS / RIS integration**#**Consultation functionalities**#**Teleconferencing

Portal Solutions

medavis GmbH • booking4med Online Appointment Booking

Highlights

With booking4med you enable your patients and referrers to schedule appointments online via your website. There will be no overlap with the appointments made via telephone. The solution is hosted by medavis and integrates seamlessly into your existing processes.

Portal Solutions

medavis GmbH • InformMe Digital Patient Education

Highlights

With InformMe you seamlessly integrate the digital patient intake process into your registration workflow and your radiology information system. Patients fill out and digitally sign all the necessary forms and documents from the comfort of their own home before visiting the practice.

Portal Solutions

medavis GmbH • portal4med Patient Portal

Highlights

The portal4med Patient Portal enables patients to access their own radiological images and reports online and to make them available to treating physicians quickly and easily. Patients themselves decide who gets to see the data. No more need for costly and time-consuming CD burning.

Portal Solutions

medavis GmbH • portal4med Referrer Portal

Highlights

With the portal4med Referrer Portal your referrers have easy online access to the reports and studies you created – physicians without PACS can view them in the integrated viewer, even on mobile devices. The display of previous studies and the download of the original DICOM data are also possible in the portal.

Portal Solutions

medavis GmbH • radiance365 Teleradiology Portal

Highlights
With cross-site reporting, a central worklist, and an integrated viewer, medavis teleradiology solutions create a unified workflow that connects radiology across locations and systems. Communication and data exchange take place in real time, while coordination happens automatically.

Portal Solutions

Mesalvo • MC³ Radiology | RadCentre Patientenportal

Highlights
The RadCentre Patientenportal supports image and report communication between doctors and patients and improves utilization in medical facilities and clinics.

- Efficient appointment management for optimized processes
- Direct data exchange with referring physicians and patients
- Provision of information sheets and consent forms before examination

Portal Solutions

Nexus/Chili • NEXUS / PORTAL

Highlights
Patient Empowerment:

- Modular system integrates with primary systems
- Online appointments and digital forms for patient info
- Upload option for patients (DICOM images and documents)
- Digital provision of treatment info and results
- Can serve as patient intranet and integrate CMS content
- Works on smartphones, desktops; no installation by patient

Portal Solutions

Nexus/Chili • Patient Portal (CD replacement)

Highlights
Progressive solution for the exchange of medical data between institutions and patients

- Digital alternative for physical patient CD
- Protection of data privacy
- Easy integration into RIS
- Login via token, capture, and optional request of further information
- Works with all smartphones or desktop computers; no installation required for patients
- Automatic transfer of images from every PACS

Portal Solutions

Nexus/Chili • Referrer-Portal

Highlights
State-of-the-art solution for radiological institutions to exchange images and results with referring physicians.

• Permanent account for referrers • Secure exchange of images (DICOM) and other documents (PDF, JPEG etc.) • Referrers can easily book appointments for their patients • Automatic notification and transfer of results to referrers' systems (PACS/RIS) • Web-based application with integrated viewer • Protection of data privacy (e. g. 2FA) • Easy integration • Time and cost savings

Portal Solutions

Nexus/Chili • Teleradiology Gateway

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

Portal Solutions

Nexus/Chili • Teleradiology Portal

Highlights
Web-based portal that covers the entire teleradiological workflow

• Electronic request and reporting process • Guided steps throughout the entire workflow • Complete documentation of all steps • Integrated quality assurance according to DIN 6868-159 • Transfer of images via DICOM • Access to all data anywhere anytime • Availability of data relevant to accounting

Mobile RIS/PACS Viewers

MedDream • Diagnostic Webviewer

Highlights
The diagnostic webviewer is an approved medical device. Radiologists can use it directly in the browser on any end device (zero footprint). The viewing functions such as measurements, reconstructions and much more are extensive without being overwhelming. AI results can also be integrated.

Mobile RIS/PACS Viewers

Nexus/Chili • WebViewerNG

Highlights
- Mobile image viewer
- Teleradiology
- PACS administration, works with any PACS
- Easy integration into any other system, such as HIS / RIS / PACS / EPR / VNA / Patho
- Independent of operating system (iOS, Android,...)
- Device independent (Apple, Google,...)
- No app – but HTML5!

Dose Management Systems

Mesalvo • Mesalvo · MC³ Radiology | RadCentre Dose View

Highlights
RadCentre Dose View is a stand-alone and RIS-independent dose management system to assess patient exposures due to ionizing radiation. The system is able to meet legal requirements by offering consistent standards to increase the quality of radiological examinations.

Teleradiology

reif & möller • r&m Teleradiologie

Highlights
For 25 years, a trusted teleradiology partner for 140+ hospitals across the DACH region.
High-quality 24/7 remote reporting for hospitals and hospital networks.
r&m integrates seamlessly into existing HIS/RIS systems via HL7 and adapts flexibly to established workflows through a proven teleradiology portal – independent of the digital maturity of your institution.

Our in-house 24/7 IT support ensures fast problem resolution as well as stable and secure system operation.

- Exclusively highly qualified and experienced radiologists
- Seamless integration into existing HIS/RIS environments
- High data security through monitored, encrypted VPN connections
- Fast and uncomplicated onboarding through established processes
- ISO 9001–certified quality management
- Targeted use of AI support in emergency reporting

Accessories /Complementary Systems

Mesalvo • MC³ Radiology | RadCentre Technician Profile

Highlights
RadCentre Technician Profile visualizes requested or performed examinations and reports at a glance and supports a fast and modality based workflow.

- Specific icons show examination status or patient information
- Images of prior examinations via integrated PACS viewer
- Interactive icons to change information or workflow status
- Scanned document files and laboratory results

Women's Health

Tomosynthesis

Digital Mammography

Film-Screen Mammography

Mammo CT

Accessories /
Complementary Systems

iae

GE HealthCare

Planmed

EXAMION
X-Ray Systems · Digital Imaging · Service

GMMGROUP

VILLA

Tomosynthesis

Planmed Oy • Planmed Clarity+

Scan angle	Scan time	Pixel size
30°	13 seconds	85 µm

Highlights

- Improved product range for the renowned Planmed Clarity family
- 3x faster next generation digital breast tomosynthesis (DBT)
- Planmed contrast-enhanced mammography (CEM)
- High-precision diagnostics with Planmed GuidedBiopsy

Tomosynthesis

Villa Sistemi Medicali • Melody IIID TS 3.0

Scan range	Scan time	Pixel size
15° / 24° / 50°	2.5 s / 4 s / 7.7 s	85 µm

Highlights

- Tomosynthesis function with selection of three scan angles: 15°, 24° and 50°
- Available with Amorphous Selenium FPD (standard or fast speed for tomo scan)
- Special anti-scatter grid for tomo
- Dynamic collimator with automatic recognition of compressor paddle
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Full DICOM Acquisition workstation on-board or in a separated unit
- Ready for tomo-guided biopsy
- Ready to be implemented with Dual Energy work modality
- Optional diagnostic workstation available with CAD software

Digital Mammography

GE HealthCare • Pristina Duo

Resolution	Detector size	Detector type
100 µm	24 × 29 cm	a-Si

Highlights

The Pristina Duo is built on the proven Senographe Pristina platform and has been specifically developed to expand breast cancer screening programs, close gaps in care, and provide more women with access to early detection. Pristina Duo prioritizes patient comfort and enhances the examination experience while also simplifying the daily workflow for radiographers and radiologists.
The system is available in two versions:

- Pristina Duo 2D: A basic mammography system with a premium imaging chain — no compromises for your patients. Upgradable for 2D diagnostic workups and can be upgraded to 3D at any time.
- Pristina Duo 3D: More diagnostic information through tomosynthesis — ideal for the full diagnostic spectrum as well as screening workups.

Digital Mammography

GE HealthCare • Pristina Via

Resolution	Detector size	Detector type
100 µm	24 x 29 cm	a-Si

Highlights

The Pristina Via from GE HealthCare is an innovative mammography system designed to enhance patient comfort and support efficient workflows for clinicians. Its modern, ergonomic design, intuitive interface, and flexible positioning enable a smooth and stress-free examination experience. The system can be optionally equipped with Dueta, allowing patients to actively participate in controlling breast compression via a handheld device. Pristina Via provides high-resolution imaging at low radiation dose and supports both 2D and 3D mammography, depending on configuration. Its streamlined design simplifies operation for staff while improving comfort and overall experience for patients. Additional options include Pristina Recon DL, an AI-based solution that applies deep-learning reconstruction to all 3D image data. Further enhancements such as SenoBright HD contrast-enhanced mammography, Serena 2D/3D biopsy, sample imaging, and Serena Bright contrast-enhanced biopsy are also available.

Digital Mammography

GMM Group • GIOTTO CLASS

Highlights

Giotto Class is an advanced breast tomosynthesis (DBT) system.

It features a unique, particularly ergonomic design which ensures patient comfort and easiness for the operator.

The C-Arm stand enables a wide freedom of inclination: it can be tilted down- and up-wards to maximize patient comfort and breast positioning

The gantry is designer for biopsy in prone position too

IMS GIOTTO is a company of GMM Group

Digital Mammography

GMM Group • GIOTTO CLASS S

Highlights

iotto Class S is a versatile system that can be be configured for 2D or/ and 3D breast tomosynthesis imaging choosing between different options, accessories and advanced interventional applications like high-precision tomo-guided biopsy or CEM, including an integrated biopsy specimen checker . It features a unique, particularly ergonomic design which ensures patient comfort and user-friendliness for the operator.

The system is easy to use and fits small places offering high throughput thanks to the increased speed of gantry's movement and positioning.

IMS Giotto is a company of GMM Group.

Digital Mammography

Planmed Oy • Planmed Clarity 2D/3D

Pixel size	Scan angle	Scan time
83 µm	30°	13 seconds

Highlights

- Digital mammography system for conventional 2D imaging, diagnostic imaging, stereotactic biopsies and Digital Breast Tomosynthesis (DBT)
- Intelligent Planmed Clarity Flow dual touch screen user interface that adapts to different imaging modes
- Image post processing that can be tailored to radiologist preferences
- Integrated MaxView breast positioning system for maximal tissue visibility
- Modular unit; Easy field upgrade from 2D to Planmed Clarity 3D digital breast tomosynthesis and stereotactic procedures by including Planmed ClarityGuide

Digital Mammography

Planmed Oy • Planmed Clarity S

Pixel size	Display size	Detector type
83 µm	24x30	a-Si

Highlights

- Sturdy companion for your everyday breast imaging and follow up studies
- Tailored image post-processing delivers optimal images for all needs
- Design enables perfect usability and excellent patient and user ergonomics
- Compact size, durable a-Si detector and single phase power feed make the unit optimal for demanding conditions such as mobile installations

Digital Mammography

Villa Sistemi Medicali • Melody IIID C 3.0

Pixel size	Detector size	Detector type
85 µm	24 x 30 cm	a-Se or a-Si

Highlights

- High performance integrated X-ray generator with wide kV range (20–35 kV) and fine adjustment (0.5 kV step)
- Isocentric ±180° rotating C-arm with vertical and rotation (optional) motorized movements
- Available with Amorphous Selenium FPD
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Double touchscreen LCD display to control main parameters
- Compact unit with full DICOM acquisition workstation on-board
- Optional diagnostic workstation

Digital Mammography

Villa Sistemi Medicali • Melody IIID 3.0

Pixel size	Detector size	Detector type
85 µm	24 x 30 cm	a-Se or a-Si

Highlights

- High performance X-ray generator with wide kV range (20 – 49 kV)
- Isocentric ±180° rotating C-arm with vertical and rotation motorized movements
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Ready for optional stereotactic biopsy
- Full DICOM Acquisition workstation on-board or in a separated unit
- Upgradable to TS version with tomo
- Ready to be implemented with Dual Energy work modality
- Optional diagnostic workstation available with CAD software

Film-Screen Mammography

Villa Sistemi Medicali • Melody III 3.0

Power	Anode	Filter
20 – 35 kV	Mo	Mo / Rh

Highlights

- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with selection of exposure parameters in function of effective breast density
- Available with 18 × 24 / 24 × 30 cm bucky or potter accepting both cassette sizes
- Isocentric ± 180° rotating C-arm with vertical and rotation (optional) motorized movements
- Ready for optional stereotactic biopsy
- Double touchscreen LCD display to control main parameters
- Upgradable to digital version

Mammo CT

Examion • AB-CT nu:view

Detector type	Pixel size	Scan time
Photon-counting	100 µm	7 - 12 s

Highlights

Leading-edge breast CT system revolutionizing breast imaging

- World's first spiral breast CT scanner with direct-converting, photon-counting detector technology
- True 3D, superimposition-free imaging with exceptional soft tissue differentiation
- Fully isotropic high spatial resolution; voxel size: (90 µm)³ – (300 µm)³
- Low dose in the range of mammography
- Excellent patient comfort without breast compression
- Short scan and examination times
- Supports image-guided vacuum-assisted biopsy*

* Disclaimer: nu:view's biopsy unit is currently undergoing certification and not yet available on the market or for clinical use.

Accessories / Complementary Systems

GE HealthCare • Lunar iDXA

Highlights

The DXA premium system covers the full range of clinical applications and provides detailed body composition analysis, including the distribution of fat, muscle, bone, and visceral fat. Its direct-digital HD detector delivers distortion-free visualization of bone structures without magnification errors. SmartScan reduces radiation dose and examination time, while Composer automatically generates individualized patient reports. Depending on configuration, standard scan times range from about ten to thirty seconds. The system offers high precision and excellent image quality, making it suitable for advanced clinical use and research. An important optional feature is TBS (Trabecular Bone Score), a quantitative index for assessing bone microarchitecture, fully integrated into the enCore user interface.

Accessories / Complementary Systems

GMM Group • GIOTTO FLEXITABLE

Highlights

Flexitable is an accessory which, in combination with the Giotto CLASS system and the Smartfinder biopsy kit, enables interventional prone biopsy procedures

- Excellent ergonomics for the patient
- Excellent ergonomics for the operator: thanks to the large vertical travel, which makes it possible to work either standing or sitting, and the absence of connecting cables when the table is powered by the batter

IMS Giotto is a company of GMM Group

Accessories / Complementary Systems

GMM Group • Smartfinder Breast Biopsy System

Highlights

Innovative and high precision digital device for stereotactic and/or tomo- and/or CEM- guided breast biopsies targeting, which allows the radiologist to optimize the needle inclination based on software guidance.

- Suitable for both prone and upright procedures;
- Multiple possible approaches: vertical, angled and lateral;
- Compatible with all VABB and CORE biopsy devices on the market (Core, FNA, Hook..);
- Digital control panel with touch-screen displays

IMS Giotto is a company of GMM Group.

Accessories / Complementary Systems

I.A.E. • C340

Highlights

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

Accessories / Complementary Systems

I.A.E. • XK1016T - 400W

Highlights

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

R / F Systems

DR
Bucky
DR Detectors
Flatpanel Fluoro
Mobile DR
Portable DR
Mobile X-ray
Accessories /
Complementary Systems

DR

Del Medical • FMT

Power	Detector type	Pixel size
32 to 80 kW	a-Si/CsI	99/139/148 µm

Highlights

- Compact and economical floor-mounted tube stand with low ceiling requirement of just 2.2 meters
- Digital display of SID and tube angle
- Easily accessible tube-mounted lock release for 180° column rotation
- Four-way floating tabletop with a 318 kg (700 lb) patient weight limit. Table base can house generator electronics for additional space savings
- Space-efficient wall stand for wireless or fixed detectors
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 cm (17x17 in) fixed Cesium
  4. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating
  5. LLI: 43x107 cm (17x42 in) wireless Cesium

DR

Del Medical • FMT18M

Power	Detector type	Pixel size
32 to 100 kW	a-Si/CsI	99 µm/139 µm/148 µm

Highlights

- Premium floor-mounted tube stand with technologist-friendly 10.4-inch touchscreen console for generator control, detector selection, SID, and tube angle display
- Tube lock control for 180° column rotation
- Ergonomic tube handle with all-lock release optical sensor
- Elevating four-way floating tabletop with a 363 kg (800 lb) patient weight limit
- Ergonomic wall stand with electromagnetic locks and secure handgrips
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 cm (17x17 in) fixed Cesium
  4. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating
  5. LLI: 43x107 cm (17x42 in) wireless Cesium

DR

Del Medical • FMT18T

Power	Detector type	Pixel size
32 to 100 kW	a-Si/CsI	99 µm/139 µm/148 µm

Highlights

- Premium floor-mounted tube stand with vertical tracking to the table and wall stand for efficient workflow
- Technologist-friendly 10.4-inch touchscreen console for generator control, detector selection, SID, and tube angle display
- Ergonomic tube handle with all-lock release optical sensor
- Elevating four-way floating tabletop with a 363 kg (800 lb) patient weight limit
- Ergonomic wall stand with electromagnetic locks and secure handgrips
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 cm (17x17 in) fixed Cesium
  4. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating
  5. LLI: 43x107 cm (17x42 in) wireless Cesium

DR

Del Medical • FWFC

Power	Detector type	Pixel size
32 to 80 kW	a-Si/CsI	99 µm/139 µm/148 µm

Highlights

- Compact and affordable floor-to-wall, floor-to-ceiling mounted system for installation flexibility
- Technologist-friendly digital display of SID and tube angle
- Easily accessible tube-mounted lock release for 180° column rotation
- Four-way floating tabletop with a 318 kg (700 lb) patient weight limit. Table base can house generator electronics for additional space savings
- Space-efficient wall stand for wireless or fixed detectors
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 (17x17 in) fixed Cesium
  4. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating
  5. LLI: 43x107 cm (17x42 in) wireless Cesium

DR

Del Medical • Hydra Vision

Power	Detector type	Pixel size
65 kW / 80 kW	a-Si / 43x43 cm CsI	139 µm

Highlights

- Real-time digital fluoroscopic and radiographic X-ray imaging system that allows the patient to remain stationary during sensitive procedures
- Used for urological, gastroenterological, and gynecological treatment, planning, and diagnostic procedures with a 340 kg (750 lb) patient weight limit
- Single-touch monitor displays all controls, messages, and alarms, freeing up space in your control room
- 100% carbon fiber grid absorbs fewer X-rays than aluminum, enabling lower dose imaging
- Foot pedals for enhanced control, comfort, and ease

DR

Del Medical • OTC18M

Power	Detector type	Pixel size
32 to 100 kW	a-Si/CsI	99 µm/139 µm/148 µm

Highlights

- Premium ceiling-mounted overhead tube crane with easy manual positioning
- Technologist-friendly 10.4-inch touchscreen console for generator control, detector selection, SID, and tube angle display
- Tube handle with all-lock release optical sensor
- Elevating four-way floating tabletop with a 363 kg (800 lb) patient weight limit
- Ergonomic wall stand with electromagnetic locks, full receptor movement to the floor, and secure handgrips with tilting option
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 cm (17x17 in) fixed Cesium
  4. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating
  5. LLI: 43x107 cm (17x42 in) wireless Cesium

DR

Del Medical • OTC18S

Power	Detector type	Pixel size
40 to 100 kW	a-Si/CsI	99 µm/148 µm

Highlights

- Premium ceiling-mounted overhead tube crane for motorized stitching
- Technologist-friendly 10.4-inch touchscreen console for generator control, detector selection, SID, tube angle display, and stitching set-up
- Tube handle with all-lock release optical sensor
- Elevating four-way floating tabletop with motorized receptor and a 363 kg (800 lb) patient weight limit
- Tilting wall stand with electromagnetic locks, auto-tracking receptor with full movement to the floor, and secure handgrips with optional Patient Stitching Stand
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 cm (17x17 in) fixed Cesium
  4. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating

DR

Del Medical • OTC18T

Power	Detector type	Pixel size
32 to 100 kW	a-Si/CsI	99 µm/139 µm/148 µm

Highlights

- Premium ceiling-mounted overhead tube crane with vertical tracking
- Technologist-friendly 10.4-inch touchscreen console for generator control, detector selection, SID, and tube angle display
- Tube handle with all-lock release optical sensor
- Elevating four-way floating tabletop with a 363 kg (800 lb) patient weight limit
- Ergonomic tilting wall stand with electromagnetic locks, full receptor movement to the floor, and secure handgrips
- Fixed and rotating detector trays with in-tray charging capability
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 cm (17x17 in) fixed Cesium
  4. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating
  5. LLI: 43x107 cm (17x42 in) wireless Cesium

DR

Del Medical • Straight Arm

Power	Detector type	Pixel size
32 to 80 kW	a-Si/CsI	99 µm/148 µm

Highlights

- Economical and space-efficient X-ray system with manually controlled swivel arm
- Extensive range of arm and image receptor rotation for ultimate flexibility
- Isocentered design keeps the detector and X-ray beam in constant alignment
- Motorized variable SID adjustment of 100-200 cm (39-79 in) and extensive vertical travel of 43-163 cm (17-64 in)
- Optional mobile patient table for recumbent positioning with a 227 kg (500 lb) patient weight limit
  1. Fixed height or elevating
  2. Fixed or four-way floating tabletop
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 cm (17x17 in) fixed Cesium

DR

Del Medical • Universal Veterinary

Power	Detector type	Pixel size
30 / 40 / 50 kW	a-Si / CsI	43x43 cm

Highlights

- Comprehensive veterinary imaging solution with angulating tube arm, angulation dial, and operator handle
- Articulating column mount for generator control console
- Integrated tube stand with variable SID and vertical travel of 104-23 cm (41-9 in) with electric locks
- Two-way or four-way floating tabletop with urine trap and a 181 kg (400 lb) patient weight limit. Table base can house generator electronics for additional space savings
- Foot-activated exposure switch for hands-free operation
- Optional articulating column mount for DR console monitor
- Available with multiple DR options

DR

DRGEM • Auto Positioning Ceiling System (GXR-SD Series)

Power	Detector type	Pixel size
52 / 68 / 82kW	CsI / Glass, Glass-free	100 / 139 / 140 / 150

Highlights

- Fully motorized auto-positioning
- Multiple image stitching for stand and table
- Advanced elevating table with high patient load
- Anti-collision safety sensors
- Tube head touch screen console for system, collimator, X-ray parameter and image preview
- Collimator with live streaming camera
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction(S/W Grid)
- Options including AEC, carbon fiber table-top, wireless foot switch
- Precise movement controlled by DR Imaging S/W

DR

DRGEM • Compact System (GXR-ES/ECS Series)

Standard	Capacitor	Detector type
20 / 25 / 32 / 40 kW	20 / 25 / 32 / 40 / 50 kW	CsI, 17×17"/ 17×14"/ 10×12"

Highlights

- System concept: Fit for your space, workflow and budget
- Compact size (Minimum floor space: 2.7×1.8 m)
- Designed for optimized workflow and smooth movements (Bucky auto tracking, wall stand counter balance)
- Intuitive movement direction indicator
- Highly customizable (Wall stand and tube stand options are available)
- Tabletop with high patient load (Optional acrylic tabletop)
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction (S/W Grid)
- Detector type: CsI, 17×17"/ 17×14"/ 10×12", fixed/wired/wireless

DR

DRGEM • DIAMOND (U-arm Type)

Standard	Capacitor
52 / 68 / 82 kW	52 kW

Highlights

- All-in-one digital radiography system
- Fully automatic diagnostic system with motorized movement and pre-programmed data for auto-positioning
- Capacitor-assisted 52 kW generator available
- Automatic stitching function
- Touchscreen system controller
- Automated X-ray collimation and system positioning
- Mobile patient table, remote control
- Safety sensors and AEC
- AI-powered diagnostic assistance, Bone Suppression, Scatter reduction(S/W Grid)
- Detector type: 17×17", wired/wireless, fixed/removable

DR

DRGEM • DR System for Chest & Chiropractic / Mobile Van Imaging

Standard	Capacitor	Detector type
32 / 40 / 52 / 68 / 82kW	32 / 40 / 52kW	CsI, 17×17"/ 17×14"

Highlights

- Reliable solution for chest radiography, chiropractic, and mobile van imaging
- Fast and user-friendly operation
- Protection against tube overload and housing overheating
- Real-time monitoring and self-diagnosis
- Automated calibration for long-term stability
- Detector type: CsI, 17×17"/ 17×14", fixed/ wired/wireless

DR

DRGEM • Essential Ceiling System (GXR-SD Series)

Power	Detector type	Detector size
32 / 40 / 52 / 68 / 82 kW	CsI	17×17"/ 17×14"

Highlights

- System concept: Highly customizable DR ceiling system
- Fundamental solution at affordable price
- Ergonomic design for smooth movements and optimized workflow
- Intuitive direction movement indicator and user-friendly interface
- Elevating or floating table with high patient load up to 300 kg
- Integrated lock function
- Options include AEC, carbon tabletop, dual speed rotor and premium upgrade
- Optional AI Software available
- Detector format: 17×17"/ 17×14" wired/wireless

DR

DRGEM • Floor Mounted System (GXR-SD Series)

Standard	Capacitor	UPS
32 / 40 /52 / 68 / 82 kW	32 / 40 / 52 kW	32 / 40 kW

Highlights

- Newly designed premium floor mounted system
- Motorized auto stitching by source tilting
- Highly customizable digital diagnostic radiography system
- Auto-synchronization and auto-Bucky tracking function
- Tube head touch screen console for system, collimator, X-ray parameter and image preview
- Option including AEC, carbon tabletop, dual speed rotor and premium upgrade
- Advanced elevating table for convenient patient access and positioning
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction(S/W Grid)
- Detector type: CsI, 17×17"/ 17×14"/ 10×12", fixed/wired/wireless

DR

DRGEM • GXR-ES/ECS PLUS

Standard	Capacitor	Detector type
40kW	40 / 50kW	CsI, 17×17"/ 17×14"/ 10×12"

Highlights

- System concept: Space-saving, competitively priced, and high-quality
- Effective room layout (Minimum floor space: 3.9×2.6m)
- Budget-friendly solution with AcquiDR integration
- Capacitor-assisted up to 50kW
- Intuitive generator control console for seamless operation
- User-programmable APR with pre-configured data for enhanced versatility
- Effortless upgrade to a DR system ensuring a future-proof investment
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction(S/W Grid)
- Detector type: CsI, 17×17"/ 17×14"/ 10×12", fixed/wired/wireless

DR

DRGEM • Veterinary Compact System (VXR-E/EC Series)

Standard	Capacitor	Detector type
20 / 25 / 32 / 40 kW	20 / 25 / 32 / 40 kW	CsI, 17×17"/ 17×14"

Highlights

- Compact & powerful veterinary X-ray system
- Space-saving hardware designed for optimized clinic setup
- Advanced imaging S/W for precise and efficient diagnostics
- Specialized veterinary measurement tools # VHS, Norberg-Olsson Angle, MMP, TTA, TPLO
- Optional capacitor generator
- Intuitive touchscreen control console and monitor for user-friendly operation
- Multiple table size options to accommodate diverse clinical needs
- Easy-to-clean design with moving casters and urine trap
- Animal positioning guide
- Convenient maintenance
- Detector type: CsI, 17×17"/ 17×14", fixed /wired /wireless

DR

Examion • X-DRS Ceiling Flow

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si/Csl	100 - 150 µm

Highlights

The ceiling-guided X-ray system from EXAMION is ideal for large numbers of patients and at the same time guarantees maximum ease of use for the operator in the clinic.

- Detector size: 10x12", 14x17", 17x17"
- High quality images with low dose
- Extensive auto-positioning functions
- Motorized (X-, Y- and Z-axis) ceiling stand with power assist. Motorized tube rotation
- Streamline workflow
- 12" TFT Tubehead display
- For up to four detectors
- Option: Stiching at the table and at the wall stand

DR

Examion • X-DRS Ceiling Standard

Power	Detector type	Pixel size
55 / 65 / 80 kW	a-Si/Csl	100 µm

Highlights

The EXAMION ceiling-suspended X-ray system meets all hospital's requirements.

- Detector size: 10x12", 14x17", 17x17"
- High quality images with low dose
- Well proven system
- Semi-automatic system with Auto-Tracking
- Ceiling stand motorized in the Z-axis
- Low maintenance effort
- Affordable price
- For up to four detectors
- Option: Stitching at the wall stand

DR

Examion • X-DRS Floor Basic

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si/Csl	100 - 150 µm

Highlights

The floor mounted systems can be optimally adapted to the needs of the customer:

- Detector size: 10x12", 14x17", 17x17"
- High image quality
- Mechanical synchronization of table bucky and tube
- Low maintenance effort
- Affordable price

DR

Examion • X-DRS Floor Standard E

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si/Csl	100 - 150 µm

Highlights

The X-DRS Floor Standard E is especially suitable for use in large medical practices, healthcare centres and small hospitals.

- Detector size: 10x12", 14x17", 17x17"
- Elevating table
- Modern design
- Bucky tray on the table and on the wall stand are electromotively synchronised with the X-ray tube
- Intuitive handling via the EXAMION X-AQS control console
- Option: Stiching at the wall stand

DR

Examion • X-DRS Floor Z-Arm or U-Arm

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si/Csl	100 - 150 µm

Highlights

The Z-Arm and U-Arm systems are compact and space-saving X-ray machines.

- Detector size: 17x 17"
- Motorized movements
- Ideal for small rooms and low ceilings
- Easy positioning due to direct coupling of detector and tube
- Low maintenance effort
- Affordable price
- Mobile elevating table available

DR

GMM Group • Calypso

Highlights

- Flexible and configurable DR ceiling system
- Auto-positioning and auto-tracking function to enable preset system positions
- Stitching function for long skeletal segments reconstruction, both in vertical and horizontal direction
- Friendly interface and fast workflow with the innovative GMM Imaging System
- Low delivered dose, further reduced while operating in direct contact with the detector

DR

GMM Group • Calypso F

Highlights
- Advanced DR system with a full range of floor-based configurations
- Touchscreen to control system movements and functions
- Reduced footprint for the smallest and low ceiling rooms
- Auto-positionining and auto-tracking functions to enable preset system positions
- Perfect synchronization between detector and X-ray tube movements, also for stitching procedures
- Advanced GMM Imaging System for high image quality
- Suited to paediatric needs thanks to dose reduction

DR

GMM Group • Kalos - Powered by Canon

Highlights

4-ways movable bucky to avoid patient repositioning - High number of preset automatic positions - Smart auto tracking, available also for lateral projections with the table - Automatic full spine and lower extremities reconstruction - Autofocusing anti-scatter grid - Integrated with Canon detectors and CXDI-NE software - Scatter Correction & Advance Edge Enhancement - Intelligent Noise Reduction - Built-in AEC for direct chest exam on bedridden patients

DR

Intermedical • LUCERNA DR SERIES - Multifunctional DR System

Power	Detector type	Pixel size
65/80 kW	a-Si/CsI 17"x17"	139µm

Highlights
- Efficient workflow with motorized and automatic positioning functions.
- Large touchscreen interfaces with patient monitoring and dose control options.
- Designed for full patient accessibility and effortless positioning.
- Available in both ceiling mounted and floor mounted configurations, with customizable features and accessories.

DR

Stephanix • RAD Series E+ DReam

Power	Detector type	Pixel size
Up to 80 kW	Wired or Wireless	100 µm / 125 µm

Highlights
- Manual or vertical tracking version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Stitching option with dedicated configuration
- Tubehead touch screen option

DR

Stephanix • Statif Pro

Power	Detector type	Pixel size
Up to 80 kW	Wired or Wireless	100 µm / 125 µm

Highlights
- Low footprint for wide range of procedures at standing, sitting or lying patient
- C-arm shaped for cross exams
- Autopositioning regarding each protocol
- Automatic and virtual collimation, additional filtration
- User-friendly interface
- Wireless IR remote
- Automatic positioning, collimation, filtration, parameters
- Table: Optional carbon or elevating tabletop, on wheels

DR

Stephanix • Statif Stum

Power	Detector type	Pixel size
Up to 80 kW	Wired or Wireless	100 µm / 125 µm

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

DR

Stephanix • Xtreme

Power	Detector type	Pixel size
Up to 80 kW	Wired or Wireless	100 µm / 125 µm

Highlights

- Manual or vertical tracking version
- Single or multi-detectors room
- Fixed or tilting wall bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR

DR

Stephanix • Xtreme Premium

Power	Detector type	Pixel size
Up to 80 kW	Wired or Wireless	100 µm / 125 µm

Highlights

- Autopositioning
- Motorised suspension in all axes (longitudinal, transverse, vertical, rotary)
- Fixed or tilting wall Bucky
- Elevating floating tabletop for patient weight up to 350 kg
- Intuitive user interface with unlimited preset APR
- Based on sensitive technology for effortless handling

DR

Villa Sistemi Medicali • Armonicus

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	143 µm

Highlights

Compact and flexible U-arm design for extended use, including general radiographic, emergency and orthopedic studies | Configurable with integrated or wireless FPD and either with manual or automatic collimator | Available a wide choice of X-ray tubes and generators | 10" touch Screen control panel and infrared remote control as standard | simplified user interface, with single movement functional push buttons | A wide range of available and pre-programmable system's positions | Operating with 2 grids, with dedicated grid parking | Complete range of examinations allowed, including stitching procedure

DR

Villa Sistemi Medicali • Moviplan iC with ceiling suspension

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	100 µm / 143 µm

Highlights

- High-end solution allowing great application flexibility and high production capacity
- Touch Screen interface integrated on tube-head
- Tiliting chest stand with special horizontal positioning for exams on mobile stretchers
- Rapid and precise system positioning thanks to full auto-tracking and autopositioning
- Available with stitching and dual energy functions
- Detector size: 35 × 43 cm / 43 × 43 cm

DR

Villa Sistemi Medicali • Moviplan iC with floor-mounted column

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	100 µm / 143 µm

Highlights

- Innovative design with no unsightly cables
- Anti-collision system and reduced thickness rails
- Table commands with distinctive "light barrier"
- Touch Screen interface integrated on tube-head for immediate inputs
- No patient limitation thanks to high weight capacity
- Electronic tomography with free selection of angle
- Available with stitching, auto-positioning, dual energy functions
- Detector size: 35 × 43 cm / 43 × 43 cm

Bucky

Stephanix • RAD Series

Power	Table	Table height
Up to 80 kW	Floating	Fixed or variable

Highlights

- Designed to correspond with your application and budgetary considerations
- Multi-functional and digital-ready
- Ergonomically shaped with floating table for easy positioning
- Small space requirement
- Wide range of general procedures
- Intuitive generator interface with anatomical programming
- Floor or ceiling tubestand
- Compact and reliable solution
- Upgradable to DR
- Touch screen option on floor tubestand only available on Digital version

Bucky

Villa Sistemi Medicali • Moviplan 800

Power	Table	Table height
32 / 40 / 50 / 65 / 80 kW	Floating	Fixed / adjustable

Highlights

- Modular bucky system for general radiographic applications, muscoskeletal diagnostic room or emergency ward
- Several configuration options: table available with motorized lift, floor-mounted or ceiling suspended tubestand
- Optional tomographic functionalities
- Available with standard or tilting chest stand, Cassette Size: 13×18 – 35×43 cm

DR Detectors

Del Medical • DELWORKS EDR

Detector type	Pixel size
a-Si / CsI	99 µm / 139 µm / 148 µm

Highlights

- Powerful image acquisition and processing software
- Single touchscreen workstation for image display with integrated generator control
- Intuitive, wireless DR with lightweight detectors for easy retrofits to any radiographic system
- Delivers outstanding image quality, reduced patient dose, and efficient clinical workflow
- Optional DELWORKS FIT portable tablet workstation for ultimate mobility
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E17C: 43x43 cm (17x17 in) fixed Cesium
  4. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating
  5. LLI: 43x107 cm (17x42 in) wireless Cesium

DR Detectors

Del Medical • DELWORKS LLI

Size	Detector type	Pixel size
43x107 cm	Long-Length CsI	139 µm

Highlights

- Wireless long-length detector with an extensive image area of 43x107 cm (17x42 in)
- Enables full-spine and long-leg imaging with a single exposure, simplifying workflow and reducing patient dose
- Eliminates stitching misalignments for improved diagnostic confidence
- Portable for upright or supine acquisition
- Optional Mobile Positioning Holder, Mobile Vertical Holder, and VS50 Wall Stand for ultimate maneuverability and flexible positioning

DR Detectors

DRGEM • AcquiDR

Detector	Detector type	Detector type
43x36 / 43x43 / 25x30cm	CsI / Glass, Glass-free	fixed / wired / wireless

Highlights

- Competitive DR retrofit solutions
- Comprehensive digital imaging system, featuring a digital FPD and full-featured RADMAX imaging software
- Seamless upgrade from analog X-ray systems to a fully digital radiography system (AED)
- DICOM 3.0 compliant
- Extensive product lineup tailored to meet various clinical needs
- Glass-free, ultra-light design ensuring exceptional durability
- Industry-leading ingress protection, certified with an IP68 rating
- Rapid image transmission, internal and external batteries, and easy sharing with NFC
- Image stitching capabilities
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction(S/W Grid)
- Pixel pitch: 100/139/140/150#

DR Detectors

Examion • X-DR

Size	Detector type	Pixel size
14x17" / 17x17"	a-Si/CsI	100 - 150 µm

Highlights

Customized Retrofit solutions for stationary, mobile and portable X-ray equipment. The right detector for any application.

- Detector: 14x17" / 17x17"
- Excellent image quality
- Perfectly matched hardware and software components
- Reliable workflow
- Low weight
- Low dose requirement

DR Detectors

Stephanix • Nomad DReam

Size	Detector type	Pixel size
14 × 17" / 17 × 17"	Various types & brands	100µm / 125 µm

Highlights

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

DR Detectors

Villa Sistemi Medicali • VDX Next Add-on

Size	Detector type	Pixel size
43 x 43 cm	aSi / CsI	139 µm

Highlights

- Complete retrofit kit integrating a workstation, WiFi FP detectors, and SW for digitizing any analog equipment
- Lightweight design and 4-sided chamfer ensure the panel's swift and quick movement
- Optional apps like software grid, bone suppression, and boost lines to maximize diagnostic capabilities and dose reduction
- Optional Bluetooth DAP kit for dose measurement and data transmission to the workstation without generator's connection
- FP Detectors 35x43 or 43x43 cm with CsI scintillator and a-Si TFT

Flatpanel Fluoro

GMM Group • Clisis Evolution

Power	Detector type	Pixel size
50 - 80 kW	a-Si	139 - 148 µm

Highlights

Four-way floating tabletop with a rear accessibility - Minimum table to floor distance for a safer patient access - Autofocusing Grid for a wide range of focal distances - Software algorithms (Virtual Grid and Virtual Scan) for high image quality and low dose - Tomosynthesis, Dual Energy, Stitching and DSA for specialized examinations - Fast and efficient workflow in a single integrated imaging system

Flatpanel Fluoro

GMM Group • Opera Revolution

Power	Detector type	Pixel size
50 - 80 kW	a-Si	139 - 148 µm

Highlights

Excellent patient accessibility thanks to the low distance from the floor - Touch screen display on the collimator for the control of the movements of the table -High weight capacity for examinations for obese patients - Motorized dual grid system for the automatic selection of the most appropriate grid - Dose reduction, intuitive gesture and post-processing functions to improve diagnostic exams - Stitching and advanced imaging procedures (DSA, Dual Energy and Tomosynthesis)

Flatpanel Fluoro

GMM Group • Opera Sharp Revo

Power	Detector type	Pixel size
50 - 80 kW	a-Si	139 - 148 µm

Highlights

Exclusive cross-levers system for a safe positioning of the patient - Wide longitudinal travel and free access to the table from all four sides - Motorized dual grid system - Touch screen on the collimator for table movements control - Dose reduction, removable grid and advanced software algorithms, also for paediatric patients - Advanced procedures and long skeletal segments reconstruction

Flatpanel Fluoro

GMM Group • Swing Revo

Power	Detector type	Pixel size
50 - 80 kW	a-Si	139 - 148 µm

Highlights

Revolutionary RF system with 13 degrees of freedom - Cantilevered tabletop to improve system accessibility - Execution of exams in direct contact with the detector - Easy execution of lateral and oblique projections - Optimized movements to go from one position to the next - Autofocusing Grid for the best focalization - Intuitive interface, fast workflow and high image quality in any procedure

Flatpanel Fluoro

Intermedical • LUCERNA RF-TILT - Dynamic remote controlled

Power	Detector type	Pixel size
50/65/80 kW	a-Si/CsI 17"x17"	140µm

Highlights

- Next-generation remote-controlled DRF platform.
- One-key positioning, full motorized control and wide clinical access.
- LF-TOMO with up to 110cm FOV scans and automatic SLOT stitching.
- Heavy-duty and compact space saving design without compromises.
- Precision guided workflow with ergonomic controls, patient camera and optimized dose control.

Flatpanel Fluoro

Intermedical • LUCERNA U-ARM SERIES - 3D

Power	Detector type	Pixel size
50 kW	a-Si/CsI 17"x17"	140µm

Highlights

- Fast, precise and automatic imaging for full-spine and lower limbs studies with SLOT stitching and 3D MPR reconstruction functions.
- High performance imaging system with R&F capabilities and wide positioning range.
- Compact multifunctional design that allows maximum diagnostic capabilities.
- Intuitive and innovative platform ideal for surgical evaluation and orthopedic assessments.

Flatpanel Fluoro

NRT X-ray A/S • Adora DRFi

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Highlights

Next generation high-end hybrid solution for all radiographic applications

- Efficient examination cycles and increased patient comfort
- Combines radiography, low dose fluoroscopy and serial imaging
- APR auto-positioning with up to 999 positions
- Intuitive, icon-based user controls at the tube head
- Configurable controls to meet clinical requirements
- Table: Motorized, carbon fiber, floating top with 340° rotation

Flatpanel Fluoro

NRT X-ray A/S • Celex

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Highlights

Next generation multi-purpose tilt C-arm solution

- Hybrid offering fluoroscopic, serial and radiographic imaging
- Table load capacity of 300 kg; best in class SID of 150 cm
- Intuitive controls, focus on ergonomics and patient comfort
- Save and restore any position – permanently or on the fly
- Detachable table option for maximum examination flexibility
- Small foot print and maximum work areas for staff
- Table: Left or right side suspended; detachable table option

Flatpanel Fluoro

Stephanix • Canon CXDI-RF Wireless B1

Size	Detector type	Pixel size
17x17" | 43 × 42 cm	Fixed or wireless	160 µm

Highlights

- 25 years ago, Stephanix was a “digital” pioneer by installing a Flat Panel Detector in a remote-controlled table.
- Stephanix remains a leader in its category by integrating WiFi portable dynamic FPD in its remote systems.
- Wired and wireless, true dynamic and static imaging inside the bucky and direct projections outside the bucky, so easily with one detector.
- Low weight 3.5 kg
- Water and dustproof

43 × 42 cm

Stephanix, a French manufacturer and integrator of radiology remote controlled tables certified "Origine France Garantie" and a major player in the field of medical imaging.

Flatpanel Fluoro

Stephanix • D²RS

Power	Detector type	Pixel size
Up to 80 kW	a-Si / CsI	139 µm - 160 µm

Highlights

- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Smart access for secure patient transfer
- Dose optimization with virtual collimation, additional filtration, video camera ...
- Intuitive user interface
- Wireless IR remote
- Secondary console
- DSA
- Stitching
- Tomosynthesis
- Second tubestand and additional detectors
- Motorized: Automatic positioning, collimation, filtration, parameters

Flatpanel Fluoro

Stephanix • D²RS 90/90

Power	Detector type	Pixel size
Up to 80 kW	a-Si / CsI	139 µm - 160 µm

Highlights

- +90° and -90° tilting
- Unmatched variable height from 38 to 148 cm
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Motorized: Automatic positioning, collimation, filtration, parameters
- Smart access for secure patient transfer
- Intuitive user interface
- Wireless IR remote
- Secondary console
- DSA
- Stitching
- Tomosynthesis
- Dose optimization with virtual collimation, additional filtration, video camera ...

Flatpanel Fluoro

Stephanix • D²RS 90/90 – Powered by Canon DR

Power	Detector type	Pixel size
Up to 80 kW	a-Si / CsI	160 µm

Highlights

- +90° and -90° tilting
- Unmatched variable height from 38 to 148 cm
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Motorized: Automatic positioning, collimation, filtration, parameters
- Smart access for secure patient transfer
- Intuitive user interface
- Wireless IR remote
- Secondary console
- DSA / stitching / tomosynthesis
- Dose optimization with virtual collimation, additional filtration, video camera ...
- Multipurpose solution with one unique detector; static & dynamic exams inside the table and direct projections out of table

Flatpanel Fluoro

Stephanix • D²RS – Powered by Canon DR

Power	Detector type	Pixel size
Up to 80 kW	CsI	160 µm

Highlights

- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Smart access for secure patient transfer
- Dose optimization with virtual collimation, additional filtration, video camera ...
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA / stitching / tomosynthesis
- Second tubestand and additional detectors
- Motorized: Automatic positioning, collimation, filtration, parameters
- Multipurpose solution with one unique detector; static & dynamic exams inside the table and direct projections out of table

Flatpanel Fluoro

Villa Sistemi Medicali • Apollo DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / CsI	148 µm

Highlights

- Premium digital remote controlled system for full clinical coverage in R/F applications
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Availablable with DSA and stitching options
- Detector size: 43×43 cm

Flatpanel Fluoro

Villa Sistemi Medicali • Apollo EZ DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / CsI	148 µm

Highlights

- Compact and cost-effective digital system for all the needs of radiographic and R/F imaging, new tomosynthesis function
- Touch screen collimator, new touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options, Detector size: 43 × 43 cm

Flatpanel Fluoro

Villa Sistemi Medicali • Apollo Open DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / CsI	148 µm

Highlights

- Premium digital remote controlled system with OPEN tabletop, allowing 4-side access to the patient
- New tomosynthesis function
- Touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options
- Detector size: 43 × 43 cm

Flatpanel Fluoro

Villa Sistemi Medicali • Chronos

Power	Detector type	Pixel size
65-80 kW	a-Si/CsI	140 µm

Highlights

- Multifunctional R/F system with broad diagnostic capabilities, precise positioning, and versatile movements for accurate imaging
- Compact design with tilting movement ensures space optimization and easy installation
- Available in 2-way or 4-way tabletop versions
- SID: 115–200 cm for precise chest imaging
- Tabletop (250x81 cm) accommodates large patients reaching the minimum height of 42 cm
- Exposing the X-ray tube and flat panel detector enables direct and lateral exams
- AI-enhanced 3D camera collimator recognizes body type, anatomical part, and positioning

Mobile DR

Del Medical • MDR

Power	Width	Weight
40 kW	57.6 cm	435 kg

Highlights

- Affordable all-in-one mobile digital radiography solution
- Compact design with fully collapsible column that provides effortless maneuverability and navigation through tight spaces with motor-assisted inching from the tube head
- On-board detector charging
- Convenient storage for wireless detectors, grids, batteries, wipes, and lead apron
- Fully integrated DELWORKS DR workstation with choice of detectors
- Flat-panel detector options:
  1. E14Cw2: 35x43 cm (14x17 in) wireless glass-free Cesium, IP67 rating
  2. E17Cw2: 43x43 cm (17x17 in) wireless glass-free Cesium, IP67 rating
  3. E24Cw2: 24x30 cm wireless glass-free Cesium, IP67 rating

Mobile DR

DRGEM • PROMO

Power	Column	Movement
40kW	Collapsible	Manual

Highlights

- Manual mobile DR system
- Push-down-and-go for easy driving
- Positioning flexibility & seamless workflow
- High-quality point-of-care imaging with a 180-degree rotating column and extended X-ray focal spot height
- Advanced 40kW capacitor generator
- Dual-focal spot X-ray tube
- Real-time image review on a large 21.5" battery-powered touchscreen monitor
- Remote control, state indicators, multi-purpose storage, built-in detector charging, and an intuitive user interface
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction(S/W Grid)
- Seamless communication with RIS & PACS

Mobile DR

DRGEM • Raymo

Power	Column	Movement
40 kW	Collapsible	Motorized

Highlights

- Compact design for easy movement
- Lower body height for improved forward visibility
- Motorized driving for smooth and stable maneuverability
- Built-in driving camera for safer navigation
- RFID-based personalization for automatic operator adjustment
- Automatic arm lift when parking is released
- Extended arm stroke and 360-degree arm rotation
- Haptic feedback for precise SID positioning
- 10.1-inch tilting touchscreen for clear operation from any angle
- Auto collimator for faster exam setup
- RADMAX imaging software with graphical APR and positioning guide
- Software grid technology reducing dose by up to 30 percent
- Dual detector support for adult and pediatric imaging

Mobile DR

DRGEM • TOPAZ

Power	Column	Movement
40 kW	Collapsible	Motorized

Highlights

- Collapsible motorized mobile DR System
- Enhanced mobility with touch-sensitive handle
- Effortless maneuverability on inclines
- Optimized image quality with advanced RADMAX software
- Safety bumper and brake with LED Indicator
- Wide LCD 21.5" touch screen
- Storage compartment for detector and other equipment
- Wide coverage of column rotation
- Built-in detector charger
- Remote controller
- Collimator with live streaming camera
- Barcode scanner, wireless exposure hand switch
- AI-powered diagnostic assistance, Bone Suppression, Scatter Reduction(S/W Grid)

Mobile DR

Examion • X-DRS Mobile 320

Power	Width	Weight
32 kW	61.8 cm	170 kg

Highlights

The X-DRS Mobile 320 is a robust basic model of an X-ray system with numerous features at an affordable price.

- Compact
- Easy maneuvering and positioning
- Rotating column (optional)

Mobile DR

Examion • X-DRS Mobile Elite

Power	Width	Weight
up to 50 kW	54 cm	520 kg

Highlights

The X-DRS Mobile Elite is a battery powered and motorized X-ray system with detector that meets all the needs of the hospital.

- Compact size
- Retractable telescopic column
- Powerful device with Dual-Motor
- 8,4" Tubehead display
- Easy moving
- Pixel size: 100 µm
- Dual focal spot
- Auto-charging of detectors
- Ideal for pediatric examinations

Mobile DR

GMM Group • MAC Series

Highlights

- Compact and ultra-lightweight mobile units
- Quick approach to bedridden/reduced mobility patients
- High frequency generator
- Arm lock and autobrake system for a safe transportation
- Flat panel detectors for a superior image quality
- Fully-integrated interface to control exposure settings, available on a touch-screen panel PC or on a tablet, also usable as a retrofit solution
- Advanced components and image processing software for dose reduction

Mobile DR

Intermedical • Compact DR Plus

Power	Width	Weight
32	57.6 cm	412 Kg

Highlights

- Motorized mobile unit, battery powered, easy to handle and operate
- Telescopic column
- Full DICOM connectivity
- User friendly interface
- Available in analogue version as well
- 40 kW model available in both analogue and digital versions

Mobile DR

Stephanix • Movix 4/8 E+ DReam

Power	Width	Weight
4 / 8 kW	78 cm	87 kg

Highlights

- Lightweight, less than 90 kg
- Design for in /outdoor operation
- Well-suited for applications at patient bedside, traumatology, paediatrics
- Foldable system easy to store and to transport on field
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Secondary generator control console on monoblock tube head
- Up to 125 kVp

Mobile DR

Stephanix • Movix DReamy

Power	Width	Weight
20 / 32 / 40 / 50 kW	54 cm	520 kg

Highlights

- New ultra-compact and streamlined design
- Motorized up to 5.5 km/h
- Telescopic column and arm, offering wide range of movements for easy positioning
- X-ray tube with rotating anode up to 150 kV, up to 500 mAs
- Independent from mains, only for batteries loading
- Colour LCD touch screen 19"
- Login / identification by code
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Based on sensitive technology for effortless handling

Mobile DR

Technix S.p.A. • TMB 320 DR / TMB 400 DR / TMB 320 / TMB 400

Power	Width	Weight
32 kW / 40 kW	57.6 cm	412 Kg/435 Kg/397 Kg/420 Kg

Highlights

- Battery-motorized system for easy maneuvering and bedside positioning
- Fixed or telescopic column for a wider view
- X-ray exposures are possible without connecting the unit to an external power supply
- Analogue and digital versions
- 19" high resolution touchscreen Panel PC
- Full DICOM connectivity
- Possibility to interface multiple detectors

Mobile DR

Technix S.p.A. • TMS 320 R / TMS 320 RDR

Power	Width	Weight
32 kW	70 cm	240 kg

Highlights

- Light and maneuverable unit with small footprint
- Efficient positioning at patient's bed thanks to the rotating arm
- Available in two versions: TMS 320 RDR (digital) and TMS 320 R (analogue)
- Available also with fixed column (TMS 320 / TMS 320 DR)
- Upgradable to DR on the field
- Multiple FPD and imaging software can be interfaced
- 19" touch user interface
- Full DICOM connectivity

Mobile DR

Villa Sistemi Medicali • Visitor S30 M-DR

Power	Width	Weight
32 kW	67 cm	283 kg

Highlights

- Motorized DR mobile unit that combines high precision and versatility
- 32 kW generator and a rotating anode tube
- Lightweight structure with dimensions of 67 cm width and 120 cm length, ensuring easy navigation in constrained spaces
- Digital control panel with a 21.5" touchscreen for intuitive operation and seamless image visualization
- Motorized version, supporting up to 5 km/h speed and navigating slopes up to 12°
- Equipped with a Li-ion battery offering up to 280 Ah capacity, ensuring quick recharging within 3 hours
- Full DICOM connectivity

Mobile DR

Villa Sistemi Medicali • Visitor T30 R-DR

Power	Width	Weight
32 kW	69.5 cm	250 kg

Highlights

- Mobile DR unit
- ± 90° rotating arm for flexible positioning of the unit
- High performance X-ray generator, tube-head with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM functions
- Detector size: Up to 43 × 43 cm

Mobile DR

Villa Sistemi Medicali • Visitor T40 M-DR

Power	Width	Weight
40 kW	57.6 cm	435 kg

Highlights

- Motorized DR mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Powerful 40 kW generator for high productivity and performance
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- 19" LCD touch screen user interface
- Full DICOM connectivity
- Detector size: Up to 43 × 43 cm
- Also available with telescopic column

Portable DR

Examion • X-DR Portable

Size	Detector type	Pixel size
14 x 17"	a-Si/CsI	100 - 150 µm

Highlights

Portable case solutions for emergency X-ray. All functions for acquisition, diagnosis and archiving on a single mobile PC.

- Wireless digital X-ray
- Excellent image quality
- Patient administration with mini-PACS
- Radiological viewer
- Synchronization with stationary image archives
- Detector size: 14x17"
- Pixel size: 100 - 150 µm

Mobile X-ray

Stephanix • Movix Series

Power	Operation	Motorized
20/ 32 / 40 / 50 kW	Battery / Mains	Yes

Highlights

- Cost effective solution
- Compactness ensures easy handling
- User-friendly interface with 498 customizable anatomical programmes
- Wide range of procedures
- X-ray tube with rotating anode
- Thin dual focal spots
- High heat capacity
- Short exposure time
- mAs Range: Up to 500 mAs
- kV Range: Up to 150 kV

Mobile X-ray

Villa Sistemi Medicali • Visitor C4

Power	Width	Weight
4 kW	67 cm	170 kg

Highlights

- Compact mobile radiographic system designed for efficient imaging in varied clinical environments, offering ease of use and portability
- 4 kW generator with a fixed anode tube
- Available with a 10.4" touch display and industrial PC for easy selection of manual or APR exam techniques
- Extremely lightweight, with dimensions optimized for tight spaces and mobility
- Dimension of 67 cm width, 118 cm length, 152 cm height
- Optional DAP meter

Mobile X-ray

Villa Sistemi Medicali • Visitor T30C

Power	Operation	Motorized
32 kW	Mains	No

Highlights

- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact and lightweight design for a high maneuverability of the unit
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- APR anatomic mode
- User friendly control panel
- kV Range: 40 – 125 kV
- mAs Range: 0.1 – 220 mAs

Mobile X-ray

Villa Sistemi Medicali • Visitor T30M

Power	Operation	Motorized
32 kW	Battery	Yes

Highlights

- Motorized mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Compact structure and flexible positioning
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- kV Range: 40 – 125 kV
- mAs Range: 0.1 – 320 mAs

Mobile X-ray

Villa Sistemi Medicali • Visitor T30R

Power	Motorized	Operation
32 kW	No	Mains

Highlights

- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact design for a high maneuverability of the unit
- ± 90° arm rotation for increased flexibility of X-ray tube positioning
- sAPR anatomic mode
- User friendly control panel
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- kV Range: 40 – 125 kV
- mAs Range: 0.1 – 220 mAs

Accessories / Complementary Systems

I.A.E. • C20

Highlights

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

Accessories / Complementary Systems

I.A.E. • C31-RTM 72

Size	Power	Capacity
0.6 / 1.2	30 kW / 75 kW	300 kHU, 500 W

Highlights

- Rotating anode X-ray tube unit for mobile X-ray equipment with film and digital detectors
- Lead lined aluminium body
- H.T. cable sockets: type MINI75 4 pin
- Storage and shipment temperature range –10°C / +80° C
- Optional mounting plate for tilting brackets

Accessories / Complementary Systems

I.A.E. • RTC 600

Highlights

- Rotating anode graphite X-ray tube, specifically designed for remote controlled table and digital systems
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- High anode heat storage for repeated loading
- Ground glass window for consistent HVL
- Variety of housings allows flexible systems configurations

Molecular Imaging

PET/CT

GE HealthCare • Omni Legend 128

Dimensions	Energy resolution (NEMA)	Field of view
4.1 mm x 4.1mm x 30mm	385 cps/kBq	128 cm

Highlights

Omni Legend is a PET/CT total body scanning with 128 cm configuration. The remarkable scalable digital detector design at its core enables an unparalleled increase in true NEMA sensitivity without Lutetium intrinsic background radiation. Beyond its exceptional digital detector design, Omni 128 cm also delivers vast improvements to the entire PET/CT scanning process, such as more comfortable patient experience thanks to an illuminated bore, AI based auto-positioning for better operational efficiency and Image quality and flexible Dynamic protocol set up to support pharmacokinetic and multi-organ analysis. It is built on a scalable digital detection technology, combining state of the art silicon photomultiplier technology and electronics with the outstanding stopping power of BGO, allowing tremendous gains in sensitivity, spatial resolution, and energy resolution achieved by 30 mm-thick crystals cut to 4.1x4.1 mm, ultra-high NEMA sensitivity4 of 385 cps/kBq for 128 cm AFOV length.

SPECT/CT

GE HealthCare • StarGuide GX

Detector	Gantry bore	Scan range
dsCZT	75 cm	78.3" (199 cm)

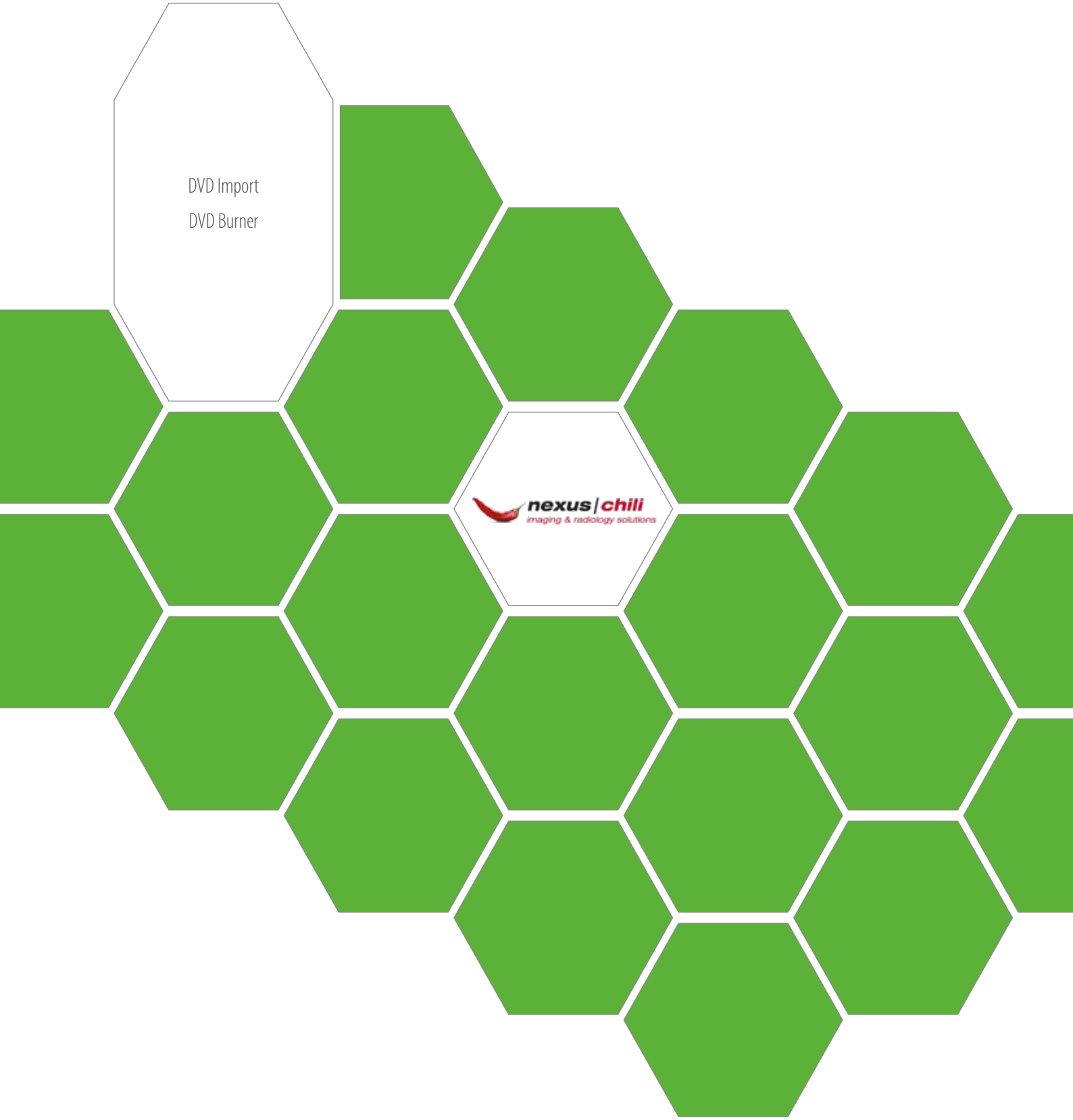
Highlights

StarGuide GX is a digital 4D SPECT/CT system equipped with dual-side CZT (dsCZT). It integrates a collimator exchange mechanism capable of completing the process in less than 3 seconds, enabling rapid protocol transitions. This design supports full-spectrum nuclear imaging, including alpha-emitting isotopes. StarGuide GX delivers fast scans and supports confident diagnostics in both static and dynamic imaging. Designed with a 12-detector ring configuration, it offers all-purpose nuclear imaging capabilities and includes a slim gantry, cantilevered patient table, and an acquisition station combined with the high-performance CT system. The CT features a 40 mm CT detector with 64 physical detector rows and optional 128-slices overlapped reconstruction with 0.35 rotation speed and, with short-geometry, Performix™ 40 Plus X-Ray Tube, 7.0 MHU Tube anode heat storage capacity, maximum power of 72 kW or 55 kW and the detector with Clarity DAS and other advanced OptiDose™ dose management.

DVD

DVD Import

DVD Burner



DVD Import

Nexus/Chili • Import Robot

Highlights

- Automatic import robot
- Import of patient CD / DVD
- 2, 5 or 10 drives
- 2 import trays (regular / express)
- 2 output trays (ok, failed)
- Optional virus scan
- Correction of foreign data
- Automatic DICOM transfer
- Works with any PACS

DVD Burner

Nexus/Chili • Burn Gateway

Highlights

- Receives data by DICOM C-Store
- Burns data on one or more CD/DVDs
- Optional reports
- Individual label printing
- Client enabled (different logos)
- CHILI viewer in report quality
- Alternative presentation as HTML and JPEG
- Certified by OFFIS and DRG
- Works with any PACS
- External output tray

Testing Devices

Testing Devices

IBA • Radcal · 2-part PMMA CT-Phantom

Highlights
Phantom for measurements of the CTDI according IEC 60601-2-44, IEC 61223-3-5, AAPM TG233, AAPM TG246 and AAPM TG204.

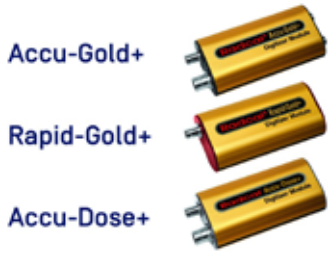
- 1 Adult Head-Phantom, 16 cm diameter, 5 holes
- 1 Adult Body anulus, 32 cm diameter, 4 holes
- 9 Acrylic rods for filling all phantom holes

Also Available as 3-part PMMA CT-Phantom, with addional

- 1 pediatric Head-Phantom, 10 cm diameter, 5 holes

Testing Devices

IBA • Radcal · Accu-Gold Systems for X-Ray QA



Highlights
- The most dynamic X-ray QA meter available
- Supports all medical X-ray modalities
- Operates with all of IBA Radcal's ion chambers, solid state detectors, mA and light sensors
- Includes customizable easy-to-use software
- Seamless report generation via Excel
- Waveform analysis
- Optional WiFi capability with Accu-Gold Nugget

Testing Devices

IBA • Radcal · CT-IQ

Highlights
The CT-IQ Phantom is designed for standardized quality assurance of CT image quality.

It enables reliable and reproducible evaluation of key image quality parameters under controlled conditions.

Suitable for routine QA, protocol optimization, and system comparison, the phantom supports consistent image quality, system performance monitoring, and compliance with established quality assurance requirements across diagnostic CT systems.

Testing Devices

IBA • Radcal · DAP Calibration Sensors

Highlights
PDC is an stand alone Dose Area Product (DAP) calibration sensors for quick and easy calibration of installed DAP meters.

10X6-60DAP: Ideal for measuring Dose Area Product (DAP) in pan-dental or CBCT-dental applications. It features an easy-to-use mounting alignment fixture, selectable units of Gy·m² or Gy·cm², and a flat energy response. The device offers true plug-and-play compatibility with existing Accu-Gold systems, requiring no calibration adjustments.

Testing Devices

IBA • Radcal · Dosimax plus I

Highlights
Single channel dose meter according to IEC 61674 for quality assurance at - Radiography-, Fluoroscopy-, Dental- and Mammography systems. Available with RQA/ RQM / DEDX.

Measurement parameter (DEDX):

- Dose: 20 µGy – 9,999 mGy
- Dose rate: 20 µGy/s – 400 mGy/s
- Time: 1 ms – 9,999 s

Testing Devices

IBA • Radcal · DSA Test Device

Highlights
For Quality Assurance of "Digital Subtraction Angiography" (according DIN 6868-150, DIN 6868-4, DIN EN 61223-3-3)

Test parameter:

- Cupper dynamic step wedge with logarithmic check
- DSA contrast sensitivity
- Artefacts

Testing Devices

IBA • Radcal · DVT-3D

Highlights
Test of 3D image quality of "Digital Volume Tomography" (DVT) systems, according DIN 6868-150 / DIN 6868-4. Optional Carbon adapter and tripod for easy and precise positioning without artifacts.

Spatial parameter:

- Detail resolution
- Uniformity and noise
- Laser marks for convenient positioning in iso-center

Testing Devices

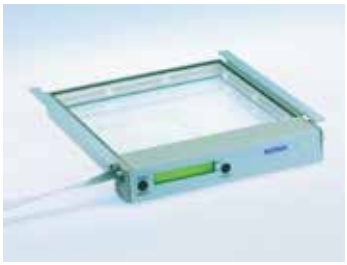
IBA • Radcal · KermaX

Highlights
Dose Area Product Meters (DAP-meters) for Patient Dose Monitoring.

- **Installation Flexibility:** Seamless integration to almost all collimators and workflows, and **cost effective installation** based on standard cables
- **Efficient Measurement** - Measures DAP and DAP rate simultaneously in high resolution (0.01 µGym² + 0.01 µGym²/s).
- **Complies with international standards:** IEC 60580:2019, IEC 60601-1, SGS NA certification mark, ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1

Testing Devices

IBA • Radcal · KermaX-plus TinO IDP



Highlights
Two-in-One – Dose Area Product **and** dose measurement with one chamber.

Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display for easy and smart installation at collimator rails.

Measurement parameter:

- DAP rate: 0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface (optional): RS232, RS485, CANopen

Testing Devices

IBA • Radcal · MagicMaX Universal

Highlights
High-end USB-Multimeter solution for Beam QA in all X-ray modalities.

Usable with different detectors:

- XR – Radiography/ Fluoroscopy /Dental
- XM – Mammography
- 10XF-3CT – Ionization Chamber for CT

Measurement parameter: Dose / dose rate – dose per pulse – kVp / PPV –time – total filtration – HVL – wave form – DLP and DLP rate for CT

Testing Devices

IBA • Radcal · MAM Accreditation FF

Highlights
This phantom is specifically designed to assess the performance of digital mammographic systems and meets the IEC 61223-3-2. It evaluates the system's capability to image small structures that are commonly found in clinical settings, such as micro-calcifications, fibrous structures in ducts, and tumor-like masses.

Technical Specifications:
Dimensions: 311.2 x 190.5 x 41.3 mm / Simulation: Represents a 42 mm compressed breast with an average glandular/adipose composition (50%/50%).

Testing Devices

IBA • Radcal · Mammo-14 / Mammo-162

Highlights
Mammo-14 for quality assurance / constancy test at digital mammography systems according to DIN 6868-14.

Also Available: Mammo-162 for quality assurance / acceptance test at digital mammography systems according to DIN 6868-162.

For Quality Assurance at Tomosynthesis mammographic systems, upgrade kits are also available.

Testing Devices

IBA • Radcal · Primus FG18

Highlights

The Primus FG18 is designed to effortlessly perform precise image quality checks on fluoroscopic X-ray units, ensuring optimal resolution, alignment, and brightness adjustments.

- Diameter: 180 mm
- 18 Low-contrast Objects [8 mm in diameter] with contrast levels from 0.9 to 16.7%
- Line Pair Resolution Pattern (0.6 to 5.0 LP/mm]
- Pb and Cu squares with circular low-contrast objects for adjusting contrast & brightness

Testing Devices

IBA • Radcal · Sensor Selections

Highlights

IBA Radcal has the most dynamic range of sensors, such as Solid State Dose and kV multi-sensors, gold standard ion chambers, mA/mAs, Luminance/Illuminance and DAP Sensors.

Testing Devices

IBA • Radcal · Spot-Luminance Meter LXcan

Highlights

For luminance measurements at image display devices according DIN 6868-157, DIN V 6868-57, IEC 62563-2 and AAPM TG18.

- Distance and contact measurement in one device
- Easy targeting with a built-in camera and display
- Ultrasound distance sensor for the optimal distance

Optional photometric detector LX-LS to measure the Illuminace in combination with LXcan

Testing Devices

IBA • Radcal · T3 Systems for X-Ray QA

Highlights

- Use preset machine-specific profiles to accelerate the measurement process.
- Capture multiple complex measurements with only a single exposure.
- View results from multiple angles and at a distance with flip-screen display.
- Save profiles and measurement data for quick future access and reference.
- Compatible with Accu-Gold 3 QA Software.
- Extended WiFi Connectivity.
- Accu-Gold Mobile is now available in both iOS and Android.

Testing Devices

PTW • QRM Customized Phantoms

Highlights

- Our core competence is the development and production of customized phantoms in cooperation with our customers.
- We successfully collaborate with manufacturers in medical and industrial X-ray markets as well as with scientists and physicians working on research projects and studies.
- All standard phantoms can be modified according to your needs.
- We also offer customized phantoms for: PET, SPECT, radiation therapy, and for other modalities.
- Contact us - we provide phantoms for your needs.

Testing Devices

Quart • Anthropomorphic X-Ray Phantoms

Highlights

- Our German-made anthropomorphic phantoms allow repeated X-ray imaging of specific body regions. They are used in X-ray trainings or for specific equipment tests under life-like conditions.
- The phantoms comprise of real human bones embedded in tissue-simulating material
- Available phantom versions: Full Body, Head, Hand / Arm, Hip, Foot / Leg, Special Training Phantoms

Testing Devices

Quart • dent/digitest Dental QA/QC Test Phantom

Highlights

- QUART dent/digitest 2D dental test phantoms are designed to assess X-ray imaging parameters according DIN and IEC QA / QC requirements.
- Features patient equivalent filtration and test objects to perform full-scale X-ray image quality analyses.
- Test Parameters are: Spatial resolution, High-contrast resolution, Low-contrast resolution, Homogeneity / artefacts, Radiation field / tube alignment

Testing Devices

Quart • didoEASY Diagnostic X-Ray Meters

Highlights

- The Quart didoEASY meters are designed for quick measurements of dose, dose rate and exposure time in X-ray QA / QC and service.
- didoEASY meters automatically compensate all radiation qualities in their area of application. Three meter versions are available: for R/F and dental (50 – 150 kV), for mammography (25 – 40 kV), and one for the full diagnostic range (25 – 150 kV).

Testing Devices

Quart • didoMAS mA/mAs Meter

Highlights

The QUART didoMAS is a stand-alone mA/mAs meter designed for easy and precise current and time-current measurements.

- The meter does not require any pre-setting procedure for direct reading of mA, mAs and time.
- As a unique feature it display the mA refreshed four times per second.
- Optionally, the meter can be connected to a Laptop or PC to download, manage and report the collected measurements.

Testing Devices

Quart • didoNEO R Diagnostic X-Ray Dosemeter

Highlights

The Quart didoNEO introduces a new approach to diagnostic X-ray meters: it features the most compact base unit and most compact detector in the X-ray meter industry. The didoNEO R is used for QA and service in Radiography, (Pulsed) Fluoroscopy, DSA, Dental, 3D (CBCT).

- Compact multi-functional state-of-the-art solid state detector
- Enables measurements in spots with limited space
- Measures behind scatter radiation grids
- Direct measurement of DLP/DWP in dental OPG

Testing Devices

Quart • DSA Test Phantom

Highlights

- The Quart DSA image quality test phantom features longitudinal sliding technique to minimise structural movement artefacts in the test image. It complies with DIN 6868-4, 6868-150 and IEC 61223-3-3.
- A special characteristic of the phantom is its realistic reproduction of the injection procedure of the contrast agent into vessels with different attenuation properties - contrary to other available products.

Testing Devices

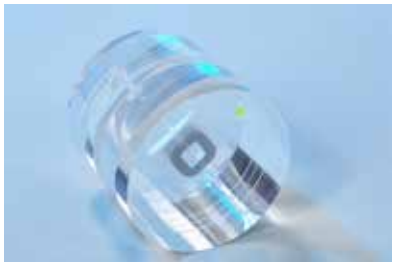
Quart • DVT 150 CBCT IQ Test Phantom

Highlights

- The QUART DVT 150 phantom is designed to meet the requirements of the German DIN 6868-150 x-ray imaging acceptance test standard.
- Handling and positioning of the phantom is easy and straight-forward. It enables quick and simple contrast resolution tests for 3D, ENT and angiography X-ray applications.

Testing Devices

Quart • DVTap Cone-Beam CT Test Phantom



Highlights

- The QUART DVTap phantom is designed for QA / QC at cone-beam CT (CBCT), dental volume tomography (DVT) and further 3D imaging equipment.
- It is to be used in dental 3D imaging (according DIN and latest IEC requirements) as well as angiography in C-arm x-ray applications (manufacturer-specific applications).
- Based on latest research, the solution can also be utilised for standard CT IQ tests.

Testing Devices

Quart • mamTOMO Digital Breast Tomosynthesis Phantom

Highlights

- The mamTOMO phantom is a novel approach in DBT QA. The phantom incorporates 3D test objects that simulate lesions and nonspiculated masses in a nonhomogeneous background.
- An associated automated evaluation software assists at all test stages from image processing, statistic data evaluation to extrapolation of threshold diameters for lesion perceptibility.

Testing Devices

Quart • nonius Digital X-Ray Ruler

Highlights

- The QUART nonius is a sophisticated, fully electronic X-ray ruler to verify size and geometrical properties of X-ray fields in radiography and mammography. It can also be used to analyse fanned CT or dental OPG X-ray beams.
- Connected to a PC it provides quick test results, graphic analysis of beam profiles and printed test reports.
- The nonius' resolution capabilities and precision are within the nonius range of 0.1 mm.
- It requires only 3 steps to obtain the test result: Position – Expose – Evaluate.

Testing Devices

Quart • RFP150 R/F IQ Phantom

Highlights

- The Quart RFP150 phantom enables assessment of digital X-ray equipment according to the German DIN 6868-150 and DIN 6868-4.
- A small phantom version (the QUART SPdl) is available for fluoroscopy.
- The phantom can be ordered with a unique kV test object to routinely evaluate radiation quality and generator performance.
- Optional accessories include a suspension system for use on wall-mounted X-ray systems, filters and a special support.

Testing Devices

RTI Group • Cobia

Highlights

Cobia is RTI's easy-to-use solution for quick and efficient measurement of key radiography and fluoroscopy parameters. For wireless testing, Cobia features built-in Bluetooth connectivity. Ocean Next™ software is included for seamless X-ray QA testing and reporting.

Choose the Cobia model that best suits your application and pay only for the measurements you need. The Cobia platform offers models tailored to different modalities and QA needs.

Testing Devices

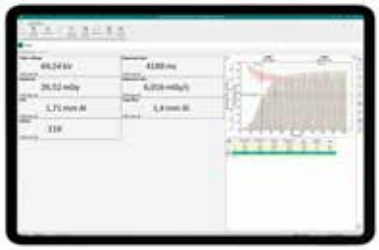
RTI Group • Mako

Highlights

Mako is a cutting-edge X-ray QA solution built on a new and groundbreaking platform, combining advanced sensor technology with over 40 years of expertise in X-ray QA and testing. With plug-and-play simplicity, Mako delivers market-leading accuracy across the industry's broadest application range and all major X-ray modalities. The app-powered Mako Display enables fast, intuitive, and fully wireless measurements on your phone or tablet, while supporting efficient, modern QA workflows.

Testing Devices

RTI Group • Ocean Next Software



Highlights

Ocean Next™ software collects all QA data, including waveforms, directly from your RTI meter or probe. Start measuring within seconds with automatic instrument and probe detection — true Plug & Play. Perform everything from simple checks to advanced X-ray performance analysis, store and retrieve results, and generate reports for complete documentation and traceability. All measured parameters are displayed on one screen and automatically saved to the database and reports.

Testing Devices

RTI Group • Piranha

Highlights

Piranha is a legendary premium platform for reliable X-ray Quality Control, trusted by QA professionals worldwide. All Piranha meters are wireless, ready to use with Bluetooth connectivity, and include RTI Ocean Next software.

The Piranha MULTI supports X-ray QA across all modalities, including Radiography, Fluoroscopy, Dental, Mammography, and CT, while the other models are dedicated to specific modalities. Piranha delivers true plug-and-play simplicity for efficient and reliable QA workflows.

Testing Devices

RTI Group • RTI CT Ion Chamber

Highlights

The RTI CT Ion (Ionization) Chamber is designed for use with Mako, Piranha and Cobia FLEX R/F meters. The RTI CT Ion Chambers (10 cm and 30 cm) are intended for CTDI and dose length product (DLP) measurements on CT scanners, either in a phantom or free-in-air.

Both chambers can be connected to a Mako system via the Mako Ion Chamber Module, or to Piranha and Cobia meters via the RTI Chamber Adapter. The 10 cm chamber also fits into standard phantoms used for CTDI measurements.

Testing Devices

RTI Group • RTI Scatter Probe

Highlights

The revolution within scatter & leakage detection is here. RTI Scatter Probe – a rugged, flat, solid-state detector for scatter and leakage detection in X-ray environments. Its unique design – two detector areas of 10 cm² and 100 cm² – fulfills current regulations and standards for X-ray leakage and scatter measurements. It is fully compliant with 21 CFR and IEC 60601 requirements. This advanced detector connects seamlessly to our industry-leading Ocean Next™ software, enabling efficient measurement reading and comprehensive reporting.

Thanks to its solid-state technology and large detection areas, the RTI Scatter Probe is not only the most sensitive solution but also delivers fast response times without delays. There are no warm-up times, no pressure or temperature dependence, and no special transport requirements (unlike pressurized chambers). This ensures a simple, reliable, and intuitive user experience.

Testing Devices

VacuTec • AEC Chamber

Highlights

Digital interface ensures EMC stable signal transmission and provides an open dose working range.

Technical specs:

- Tube voltage: 40 kV ...150 kV
- Dose rate range: 0.5 ...1,000 µGy/s
- Aluminum equivalent: <0.75 mm Al
- Analog interface: ramp voltage 0 – 10 V
- Digital interface: differential pulses (RS422)
- Resolution: 0.025 µGy
- Pulse width: 2 µs

Testing Devices

VacuTec • VacuDAP Bluetooth

Highlights

VacuDAP chamber is now available with Bluetooth technology. Perfect suitable for DR upgrades and mobile X-ray units.

Technical specs:

- Resolution DAP: 0.01 µGym^2
- Active area: 123 × 123 mm^2 and 147 × 147 mm^2
- Battery operation time: about 24 h

Testing Devices

VacuTec • VacuDAP-C / VacuDAP-C duo

Highlights

The VacuDAP-C systems for measurement of DAP and Dose are basically integrated in interventional devices with customized calibration settings.

Technical specs:

- Resolution DAP: 0.01 µGym^2
- Resolution Dose: 0.005 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: Ø (8 ...100) mm^2

Testing Devices

VacuTec • VacuDAP / VacuDAP duo

Highlights

The VacuDAP family provides a wide range of DAP and Dose measuring solutions for most of the diagnostic X-ray systems in the market.

Technical specs:

- Resolution DAP: 0.01 µGym^2
- Resolution Dose: 0.003 mGy
- Interface: RS485, RS232, Bluetooth, CAN, USB
- Active area: 123 × 123 mm^2 and 147 × 147 mm^2

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Women's Health	R/F Systems	Molecular Imaging	DVD	Testing Devices
Aira Matrix 801, Dosti Pinnacle,Road No. 22 400604 Maharashtra, Indien info@airamatrix.com www.airamatrix.com	AIRA MATRIX Artificial Intelligence Transformed Analyses					■						
allMRI GmbH Südstr. 23 74226 Nordheim, Germany tel +49 7133 237 02 20 mail@allmri.com www.allmri.com	allMRI		■									
Brain Navi No. 66-1, Shengyi 5th Rd, Zhubei City, Hsinchu County, Taiwan 302041 tel +886 3 657 9438 info@brainnavi.com https://brainnavi.com	BRAIN NAVI				■							
Cefla s.c. Via Selice Provinciale 23A 40026 Imola (BO), Italy tel +390542653441 info@newtom.it www.newtom.it	NEWTOM CONE BEAM 3D IMAGING	■										
DEL MEDICAL 28 Calvert Street, Harrison, NY 10528, USA tel +1 800 261-9808 241 Covington Drive, Bloomingdale, IL 60108, USA tel +1 800 800-6006 www.delmedical.com	DEL MEDICAL A UMG COMPANY								■			
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Philips Medical Systems DMC GmbH Röntgenstr. 24 22335 Hamburg, Germany dunlee.orderdesk@philips.com www.dunlee.com	DUNLEE	■										
EXAMION GmbH Erich-Herion-Str. 37 70736 Fellbach, Germany tel +49 711 12 00 02-0 vertrieb@examion.com www.examion.com	EXAMION X-Ray Systems · Digital Imaging · Service						■	■	■			
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GMM GROUP Via Partigiani, 25 24068 Seriate (BG), Italy tel +39 035 452 53 11 info@gmmspa.com www.gmmspa.com	GMMGROUP				■			■	■			
Guerbet BP 57400 95943 Roissy CdG Cedex, France tel +33 145 91 50 00 LF@guerbet.com www.guerbet.com	Guerbet			■								

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Women's Health	R / F Systems	Molecular Imaging	DVD	Testing Devices
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NRT X-RAY A/S Birkegaardsvej 16 8361 Hasselager, Denmark tel +45 86 28 35 00 nrt@nrtxray.com www.nrtxray.com									■			
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PTW Freiburg GmbH Lörracher Str. 7 79115 Freiburg, Germany tel +49 761 490 55-0 info@ptwdosimetry.com ptwdosimetry.com		■										■

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Women's Health	R / F Systems	Molecular Imaging	DVD	Testing Devices
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VacuTec Meßtechnik GmbH Dornblüthstr. 14a 01277 Dresden, Germany tel +49 351 317 24-0 info@vacutec-gmbh.de www.vacutec-gmbh.de												■
VILLA SISTEMI MEDICALI s.p.a. Via delle Azalee, 3 20090 Buccinasco (MI), Italy tel +39 02 48 85 91 vsminfo@villasm.com www.villasm.com					■			■	■			

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