

AGFA RADIOLOGY

DR 600

Ultimate speed - precision - comfort

Leading the way in intelligent care

Top-performance digital X-ray room supported by artificial intelligence



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Innovative and high-productivity features meet cutting-edge technology in the fully automated DR 600. The speed and intelligence of technologies such as MUSICA®, SmartXR® and ScanXR™, and the precision and effortless movement of ZeroForce™ and SmartGrip™, come together in a complete and integrated solution.

Designed to provide speed, precision and comfort, the DR 600 elevates the experience for both patients and operators while boosting throughput. And radiologists get exactly what they need: high-quality images, quickly and efficiently.

The DR 600 takes radiography to the next level

- **Fully automated, high-productive DR system** offers ergonomic design combined with intuitive and supportive handling, including auto-positioning, auto-centering, bi-directional tracking and support for asymmetric collimation.
- The **MUSICA® Workstation** acts as the nerve center, with an intuitive user interface and APR (Anatomically Programmed Radiography), enhanced workflows including AI tools, and seamless RIS/PACS integration for maximum ease of use.
- **Intelligent, self-adaptive MUSICA® image processing** delivers excellence in imaging while allowing significant dose reduction[1].
- **SmartXR®** provides predictive workflow support for improved productivity and consistent imaging results.
- **ScanXR™** automates the detection and notification of critical pathologies that need to be treated immediately or tend to be underdiagnosed[2].

I am a

✔ radiographer

✔ radiologist

1 Testing with board-certified radiologists has determined that Cesium Bromide (CR) and Cesium Iodide (DR) detectors, when used with MUSICA® image processing, can provide dose reductions of 50 to 60%, compared to traditional Barium Fluoro Bromide CR systems. Contact Agfa for more details.

2 Not available in all regions. Contact your local sales rep for availability in your area.

Angular tracking for dedicated exams



Height-adjustable table and floating tabletop

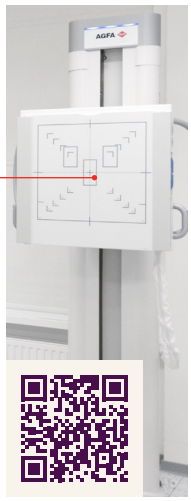
Full motorization offering horizontal/ vertical tracking



ZEROFORCE TECHNOLOGY

ZeroForce Technology: movements of the tube head, wall stand and table in all different directions are quick and require almost zero effort.

Automated tilting wall stand bucky



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Why choose DR 600?

> Excellent image quality provided by our most advanced generation MUSICA® image processing software

> Single or multi-detector, high productivity and high-throughput digital X-ray room

> Full automation, auto-positioning and auto-tracking

> ZeroForce™ Technology, offering smooth operation with almost zero effort for manual movements

> Significant potential for dose reduction, with the Cesium Iodide detector

> Handles a broad range of general radiography and tomosynthesis exams

> SmartGrip™ uses capacitive touch sensors on the tube head grip. Moving the tube to a desired position has never been more intuitive.

> DR Full Leg/Full Spine capability with EasyStitch™ technology for both standing and recumbent patients

> Predictive workflow assistance from Agfa's SmartXR™ Assistant, supporting improved productivity and consistent outcomes: SmartAlign™, SmartPositioning™, SmartDose™ and SmartRotate™

> LiveVision™ technology, enabling accurate radiation dose-free remote positioning and highlight patient movements

For radiographers

Unmatched ease of use unlocks productivity and comfort

Comfort, speed and precision: the DR 600 takes them all into account throughout your entire radiography workflow, from patient positioning to image acquisition. Its ergonomic design, combined with intuitive handling and predictive workflow support, takes radiography to the next level, for improved efficiency, consistent outcomes and enhanced user experience.





Integrated barcode reader

Light, easy, automated operation

The DR 600 is **easy to steer** and use, so you can work comfortably and quickly, even in high-throughput situations.

- With **ZeroForce™ technology and SmartGrip™**, all movements of the tube head in any direction are quick and intuitive. Simply touch or grasp the SmartGrip and off you go.
- The ceiling-suspended tube crane is operated through a **10" touch screen control panel** and allowing fast image previews, beneficial for peadiatrics and elderly patients. Ceiling movements are selected from the APR and initiated by auto-positioning or intuitive manual positioning.
- DR 600 enables flexible remote workflows with LiveVision™ **remote positioning** and remote collimation(s). For selected exams, LiveVision highlights patient movement both inside and outside the collimation area, helping radiographers identify body rotation early and reduce the risk of retakes.
- The tube unit features a **SmartXR® 3D camera** supporting LiveVision™, SmartPositioning™, SmartDose™ and SmartPatientView™.
- Full motorization of vertical/horizontal table bucky **tracking and auto-positioning**, and a tilting bucky on the wall stand, offer precise positioning.
- The integrated **barcode reader** ensures correct patient identification and supports Agfa's unique one-click workflow.

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Floating table with maximum load capabilities

The DR 600 is ideal for the **widest range of patients and types of studies**. The **height-adjustable table and floating tabletop** offers long X-ray coverage of up to 200 cm without repositioning, and a high weight capacity of up to 400 kg. You can perform the most logistically challenging studies with greater comfort for both you and the patient, while minimizing the time needed for taking images.

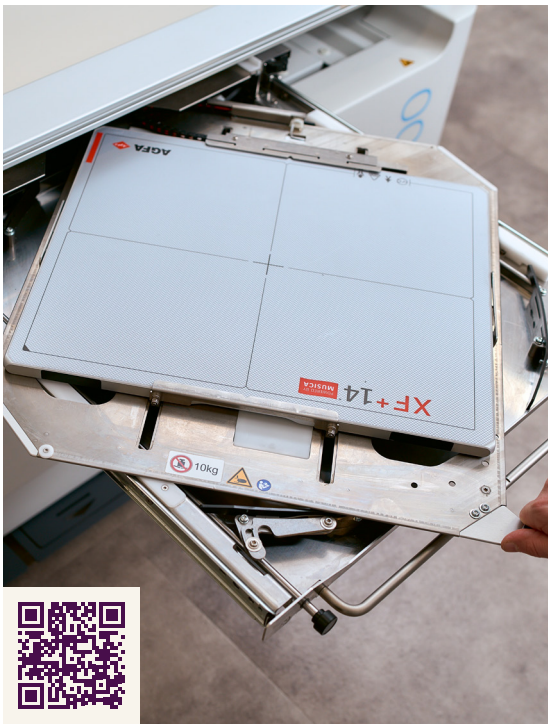


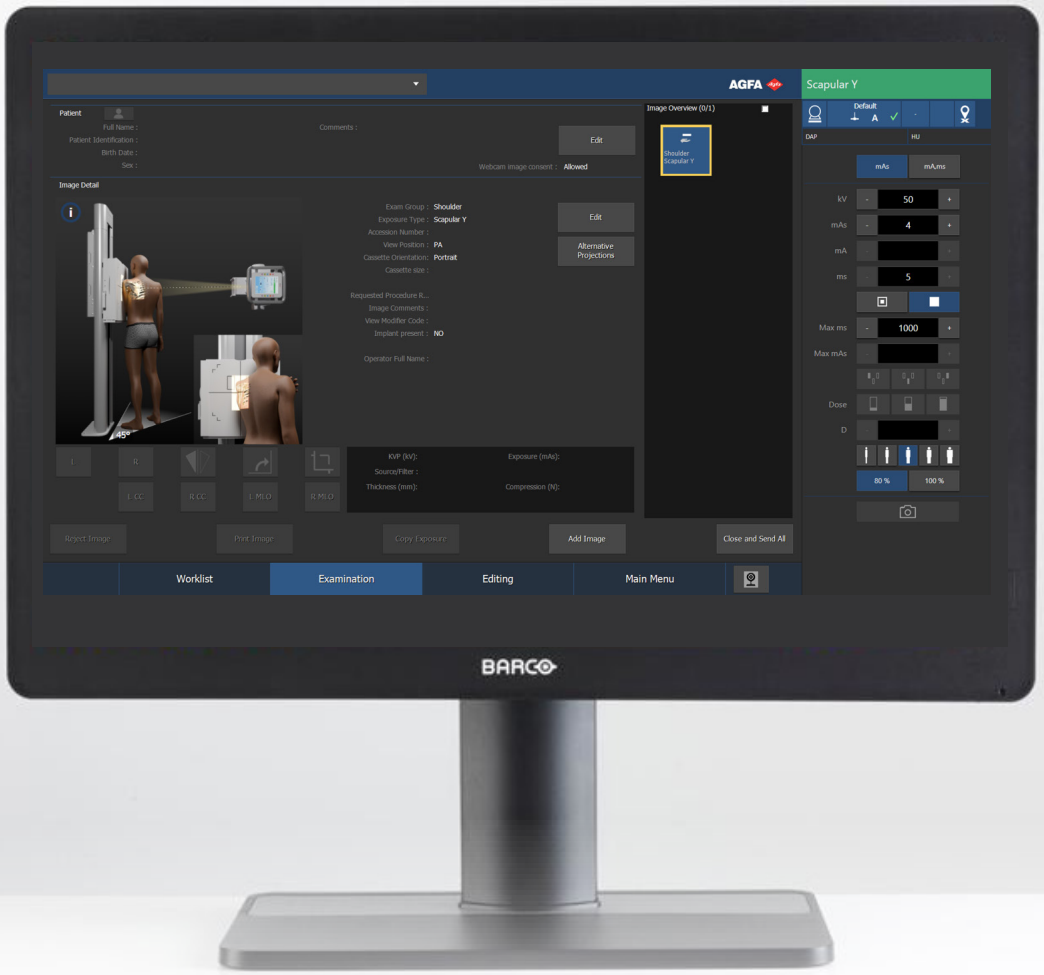
Robust detectors with the potential of dose reduction

The DR 600 comes with a choice of **Cesium Iodide (CsI) detectors**. Their excellent DQE and image quality offer the potential for significant patient dose reduction[1], while providing greater detail. This is especially useful in fields such as neonatal, pediatrics and rheumatology.

Versatile and robust **Dura-line™ Glassfree CsI detectors** come in 3 IEC standard sizes (10x12", 14x17", 17x17") and are built to withstand the toughest conditions and busiest hospital environments, with a drop height of up to 1.5 meters, and IP67 water and dust ingress protection rating. The detectors can be charged inside the rotatable buckys.







MUSICA®
Technology

Smooth, intuitive workflow with the MUSICA® Workstation

Co-developed with users across the globe, Agfa's MUSICA® Acquisition Workstation supports intuitive, smooth workflows. The unit is fast and easy to use: you'll be up and running quickly without any special training.

With a single, **intuitive interface** for general radiography, every functionality is available in just a few clicks. You choose the next patient exam from the **pre-programmed exam tree** and you can flexibly switch exam order right on the tube head display. Quick previews reduce time between exposures and help increase throughput. The result is a lower cost per exam and a faster patient experience.

Fully DICOM compliant and supporting IHE profiles, the workstation offers **solid integration** with your hospital IT.

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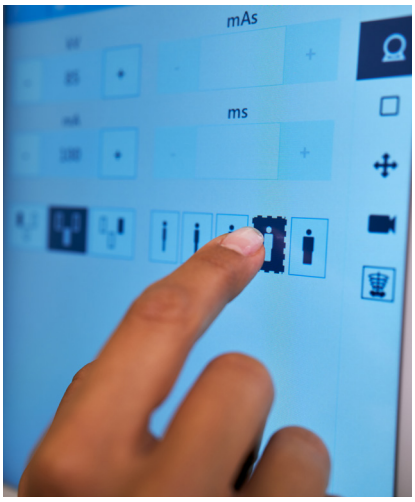
SmartXR®: your handy assistant

The DR 600 is available with the SmartXR® portfolio, which provides a helping hand for fast, smooth image acquisition, from aligning the panel and positioning the patient, to setting the precise dose and beyond. You get enhanced operational and clinical performance, while staying in control at every moment.

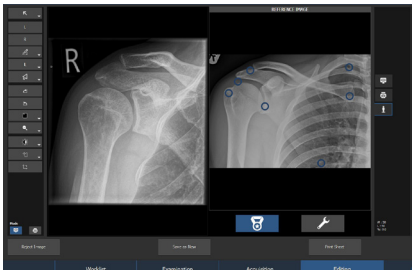
The SmartXR® portfolio comprises:



SmartAlign
SmartAlign uses advanced sensing to give live feedback on the accuracy of tube-to-panel alignment during bedside or out-of-bucky exams. It makes alignment faster, easier and more precise.



SmartPositioning
SmartPositioning augments the LiveVision camera stream with smart overlays to project the image area onto the patient's body. The resulting augmented reality image also shows the location of the system's active exposure control cells, to help avoid retakes.



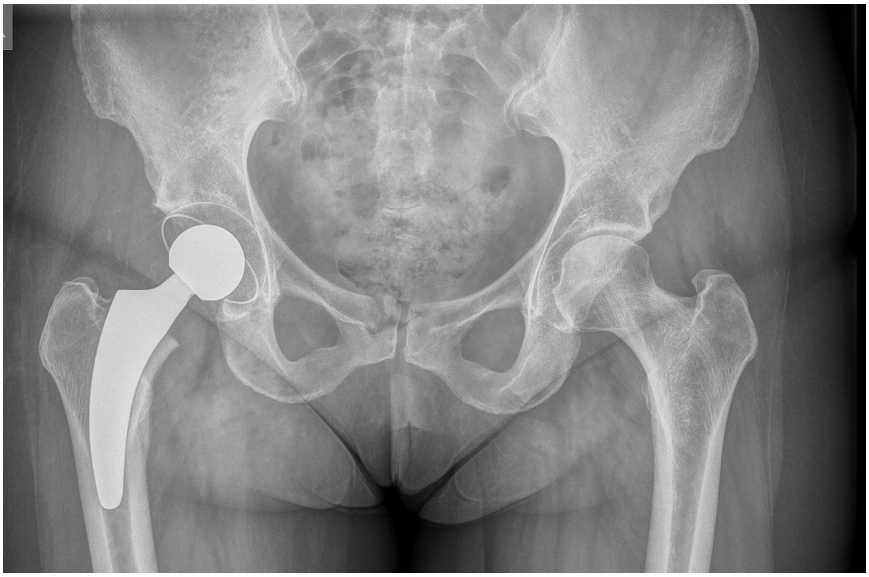
SmartDose
SmartDose uses 3D machine vision to determine the thickness of the patient, and then tailors exposure parameters specifically for that patient's anatomy. It saves time over manual adjustments, while avoiding the retakes that can result from incorrect exposure settings.

SmartRotate
SmartRotate always presents the image ready for viewing, automatically. It uses a Deep Neural Net to interpret the image contents, and then rotates the image accordingly.

SmartPositioningQA
SmartPositioning QA empowers accurate positioning with projection-specific quality points. Seamlessly integrated into the workflow, it enhances efficiency without disruptions, offering intuitive support to improve image quality and optimize patient safety.

For radiologists

Digital X-ray and AI, leading the way in intelligent care





Latest-generation MUSICA® offers you excellent viewing of difficult areas

> Balanced presentation of both soft tissue and overlapping bone structures
> Visualization of subtle details in the abdomen
> True representation of implants with clear bone interfaces
> Confident, comfortable reading

With excellent image quality provided by our most advanced generation MUSICA® image processing software, and intelligent assistance from the ScanXR™ portfolio, you get greater diagnostic confidence and efficiency from every image.

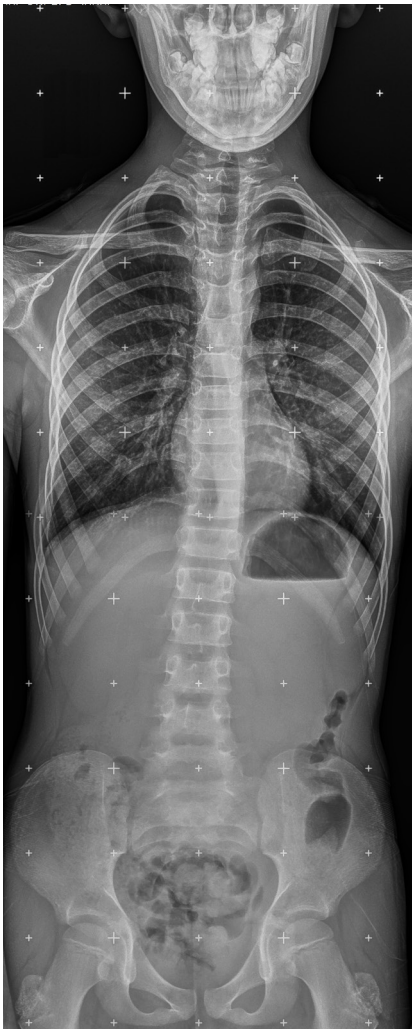
Intelligent MUSICA® image processing: one image is all it takes

At the heart of the DR 600 high-productivity solution lies Agfa's intelligent, self-adaptive MUSICA® image processing software for consistently reliable, high-quality image visualization. Its high image quality and low-dose features have made MUSICA® the 'gold standard' in image processing for radiology departments around the world.

MUSICA® automatically analyzes the characteristics of raw images and optimizes the processing parameters, independent of body part or dose deviation. It enhances noise suppression, offers superb brightness control, reduces veiling glare, and plays a significant role in enabling potential dose reduction.

One image is all it takes!

With MUSICA® image processing, you get the image quality and content needed for a confident diagnosis, quickly and efficiently.



EasyStitch technology: minimizes distortions, for high-precision FLFS imaging.

Advanced applications

EasyStitch
The DR 600 offers the option of DR Full Leg Full Spine (FLFS) exams with EasyStitch technology for both standing and supine examinations. Based on fully automated single-focus technology, this accurate stitching technology minimizes distortion.

Digital tomosynthesis
MUSICA® also offers digital tomosynthesis software that powers rapid multi-slice image reconstruction.

The tomosynthesis algorithms automatically present images with optimal contrast, less noise and fewer artefacts, and deliver consistent image quality across the individual slices and images.

Digital tomosynthesis adds clinical value in a wide range of domains, including orthopedics (for the detection of microfractures, weight bearing exams, etc.), pulmonology (nodules) and urology. Separating anatomical layers, it visualizes findings that might otherwise be 'hidden' by dense tissue.







2D projection



DTS (slice 17)

Digital tomosynthesis powers high-resolution, limited-angle tomography with fast multi-slice reconstruction.

Early warning of pathologies

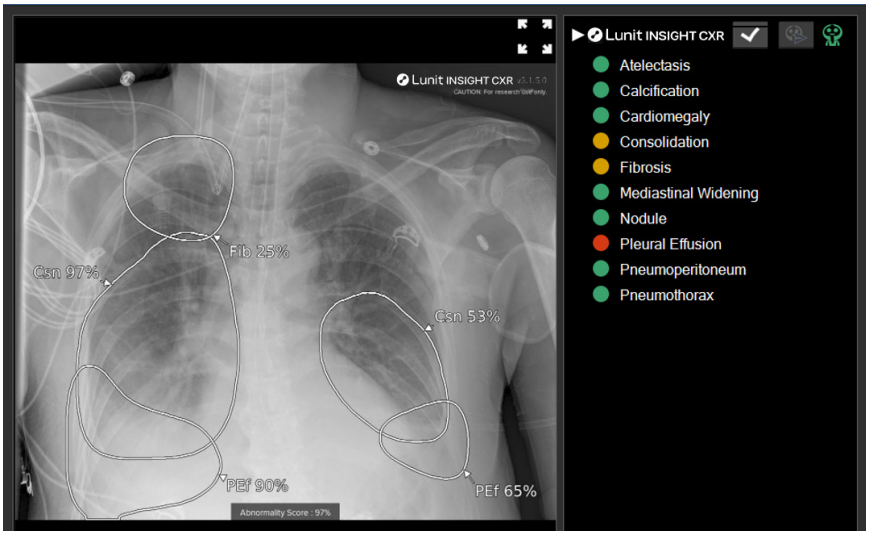
The ScanXR™ portfolio[2]: early warning of pathologies

Timely detection, timely treatment: the ScanXR™ portfolio, seamlessly integrated into the MUSICA® Acquisition Workstation, provides you with intelligent assistance to accelerate the identification of potentially underdiagnosed or urgent pathologies. Acting as a safety net, it automates the detection and notification of abnormalities from routine X-ray images, helping you to streamline and optimize the patient's care pathway.

The ScanXR™ portfolio includes:

CriticalScan™
In times of growing healthcare staff shortages, radiology reporting delays tend to increase. Prioritizing the care of patients who are at risk for a life-threatening pathology can make all the difference in ensuring the best outcomes. CriticalScan™ identifies suspected critical pathologies in chest X-rays, and alerts the front-line care team member to urgently follow the local escalation protocol. Fast and clear pre-clinical evaluation at the patient's side enables swift communication between care teams.

DensityScan™
While osteoporosis is a common pathology, it is also a "silent disease" that is frequently undiagnosed and thus left untreated. DensityScan™ enables early identification of patients with a high risk of osteoporosis, during ordinary X-ray imaging. It helps bridge the diagnosis gap for osteoporosis, to improve patients' quality of life, ensure healthcare equity, and enable significant healthcare cost savings.





XR CRITICAL SCAN

XR DENSITY SCAN

Innovative services

for maximum peace of mind



Innovative services include:

Secure Remote Service System (SRSS): allows Agfa to securely access your digital radiography systems to support the device software across its lifecycle. You get secure remote support, enabling fast corrective actions and minimizing disruptions.

Configuration Management DataBase (CMDB) Enrichment Agent (CEA): enables more efficient, seamless and secure transfer of machine data from your hospital's MUSICA® Workstations to Agfa's service team. With a more up-to-date view on each machine's status and configuration, they can deliver enhanced service and maintenance, even more quickly, effectively and securely.

Fast Update SErvice (FUSE)™: automates software updates for your NX Workstations, so you always have access to the latest Microsoft Windows® security patches and updates for specific Agfa software components.

MyAgfa
this web-based, self-service portal enables you to better manage your installed base and operations. Fast, accurate and insightful, the portal offers:

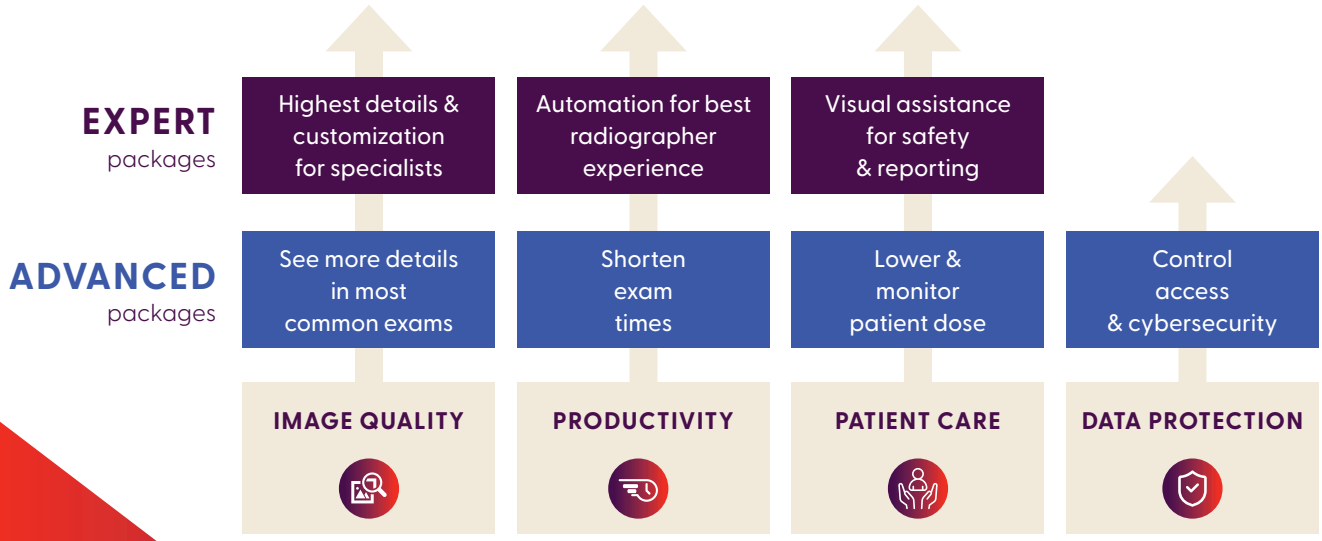
- streamlined operations
- process efficiency
- immediate access to service maintenance
- increased confidence in your systems' operation

Choosing Agfa Radiology as a partner is a choice for peace of mind. We offer not only state-of-the-art products but also exceptional service and support to keep your X-ray devices:

- **Up-and-running:** optimum reliability thanks to inspection, maintenance, spare parts, etc.
- **Up-to-date:** enhanced functionality thanks to updates, hot fixes, etc.
- **Up-front:** specialized maintenance and replacement + tube/detector warranty.
- **Up-tempo:** remote services, ready when you need assistance.

Upgrade your DR 600 room

Did you know you can augment your DR 600 room with one or multiple MUSICA® Workstation Packages? Increase your capabilities where it best fits your needs: Image Quality, Productivity, Patient Care and Data Protection.



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