



DR 600

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

DR Room general concerns

- ⚠ Versatility of the DR Room
- ⚠ Image quality
- ⚠ Room efficiency
- ⚠ Patient satisfaction
- ⚠ Operator comfort
- ⚠ Financial Value



DR 600

Ultimate Speed, Precision and Comfort
imaging

- **SmartXR Assistant**
- **High productivity**
- **Comfort & precision**
- **Excellent MUSICA image quality**
- **Significant potential for dose reduction**
- **For a broad range of Applications**
- **Optimized Financial Value**





SmartXR assistant: leading the way in intelligent care



- ❖ The SmartXR Assistant lightens the workload and provides a helping hand for fast, smooth image acquisition.

- ✓ **SmartDose:** uses 3D machine vision to determine the thickness of the patient, and then tailors exposure parameters specifically for that patient's anatomy.



- ☐ Faster dose setting
- ☐ Fewer retakes
- ☐ Improved image consistency
- ☐ Patient tailored dose

- ✓ **SmartAlign:** The SmartAlign tool uses advanced sensing to give live feedback on the accuracy of tube-to-panel alignment during bedside or out-of-bucky exams. Making alignment faster, easier and more precise.



- ☐ Faster accurate alignment
- ☐ Reduced retakes due to misalignment
- ☐ More consistent projections

SmartXR assistant: leading the way in intelligent care

- ✓ **SmartRotate:** always presents the image ready for viewing, automatically. By reducing post-processing actions, the radiographer saves time and can focus on imaging.



- ☐ Fewer post-processing actions
- ☐ More consistent image presentation

- ✓ **SmartPositioning:** augments the LiveVision camera stream with Smart Overlays to project the image area onto the patient's body.



- ☐ Faster positioning
- ☐ Reduced retakes
- ☐ More consistent positioning
- ☐ Continuous learning
- ☐ Remote repositioning



[Download the SmartXR brochure](#)





Up to SPEED

- ❖ Every moment counts in a busy imaging environment. So the speed of a solution can't be measured on one element alone: you have to take into account the entire imaging flow, from positioning the patient, to the image acquisition, to the availability of the image.
 - ✓ The combination of automation with the **pre-programmed MUSICA workstation exam tree** and the **automated MUSICA image processing** gets you up to speed, for maximum productivity.
 - ✓ MUSICA image processing and the MUSICA workstation workflow **provide quicker previews** that reduce time between exposures

COMFORT & PRECISION

- ❖ The DR 600 takes on comfort in several ways: how easy it is to operate the system correctly, how quickly the image taking process is completed, and more.

- ✓ **ZEROFORCE**
TECHNOLOGY

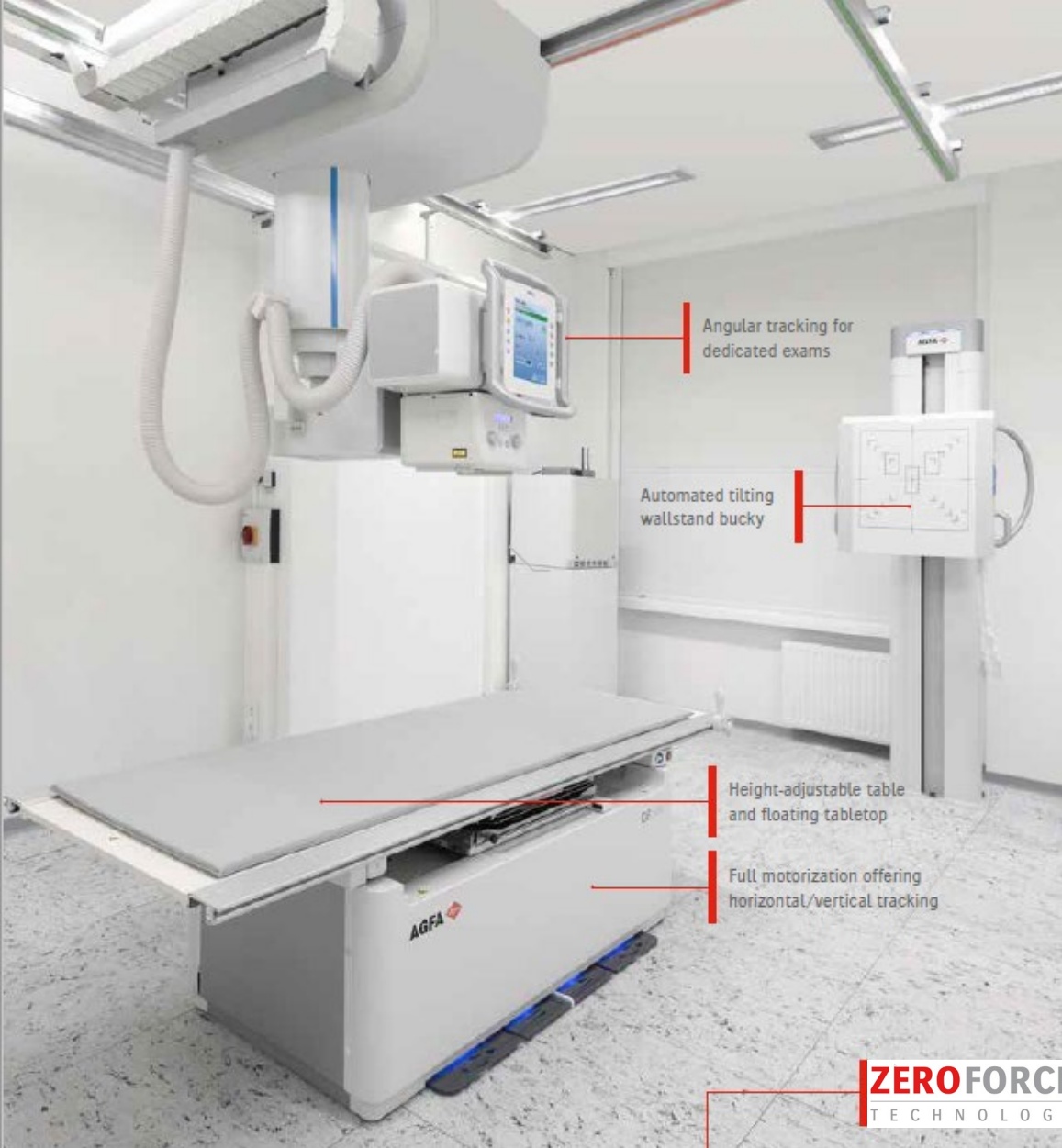
- ✓ Auto-positioning technology

- ✓ The height-adjustable table and floating tabletop offer very easy positioning for a wide range of patients and types of studies

- ☐ High patient load of 320kg/705lbs

- ✓ Convenient remote control for positioning or collimation

- ☐ Handheld remote control available (option)
- ☐ Smartpositioning uses a LiveVision camera view of the patient with smart overlays to project the image area and exposure control onto the patient's body.



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

COMFORT & PRECISION

- ✓ **EasyStitch technology for Full Leg Full Spine**
 - ❑ Fully motorized wall bucky
 - ❑ Minimal distortions
 - ❑ High precision images
- ✓ **Touch screen** with preview images



Next generation MUSICA image quality



- ✓ 'First time right' images
- ✓ Pre-programmed MUSICA workstation exam tree
- ✓ Exam independent
- ✓ Minimal re-or post processing required
- ✓ Confident, comfortable
- ✓ Balanced presentation of both soft tissue and overlapping bone structures
- ✓ Support both CR and DR in a single environment

[Link to MUSICAPlay](#)

MUSICA images



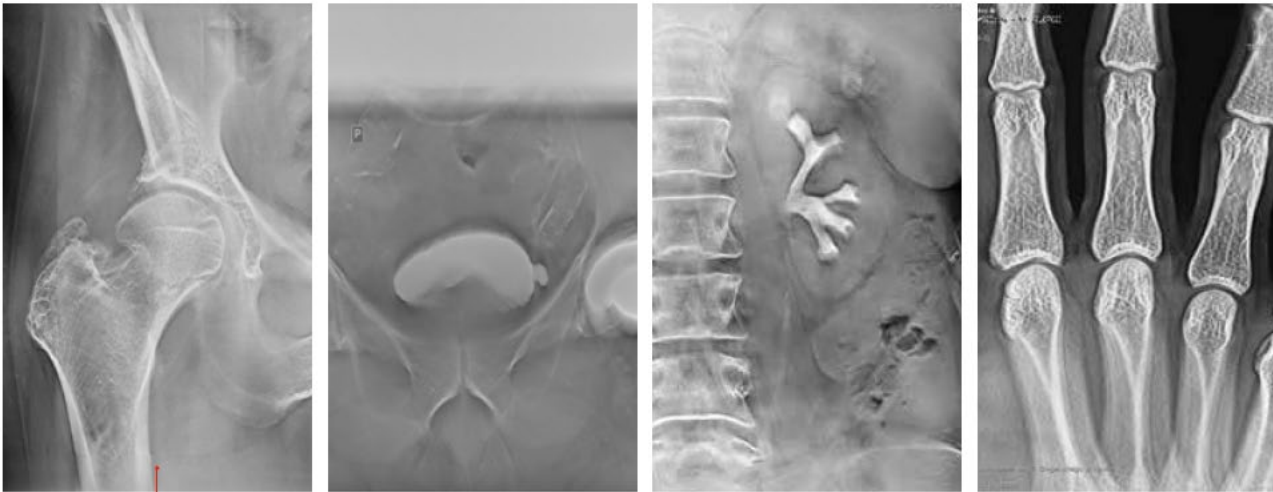
Significant potential for dose reduction

- ✓ Choice of Cesium Iodide fixed, tethered or wireless detectors.
- ✓ Excellent DQE
- ✓ SmartDose uses 3D vision to determine the thickness of the patient, and then tailors the exposure parameters specifically for the patients anatomy.
- ✓ Automatic Exposure Control for high speed accuracy
- ✓ Collimators with Dose Area Product meters
- ✓ MUSICA image processing



Broad range of applications incl. Digital Tomosynthesis

- ❖ **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**.
- ❖ Tomosynthesis algorithms for **iterative reconstruction** deliver images with **less noise and fewer artefacts**, but also enable very **fast image reconstruction**.



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


[Download the white paper](#)

Optimized financial value


- ❖ One investment for a broad range of applications encompasses all types of exams, so you don't need additional specialty rooms.
- ❖ We offer service agreement solutions tailored to your situation, making your lifecycle costs predictable.




What our customers say...

 We have previews and images in seconds, without leaving the room. This means we can also do any retakes immediately.


Fiona Rooke, Diagnostic Services Manager, Yeovil District Hospital, UK

 Having the digital tomosynthesis offers us an additional imaging choice that speeds up diagnosis. It reveals things that might not be visible with classical X-ray. Yet it can be done without moving the patient from the X-ray department.


Robert Zbyslaw, Radiologist, Ilawa Hospital, Poland

 At busy Logan Hospital, MUSICA and the DR 600 are keeping the imaging workflow smooth and efficient, while meeting the quality and dose reduction needs for patients and staff.

Michael Neep,
Team Leader Radiographer, Logan Hospital, Meadowbrook, Queensland, Australia

 With our DR solutions, the patient is usually in and out in 15 minutes – about half of the time it took before.

Fiona Rooke, Diagnostic Services Manager, Yeovil District Hospital, UK

 The new generation of the MUSICA image processing software is extremely successful.

Dr. Gunther Sigmund, Head of Radiology,
Klinikum Mutterhaus der Borromäerinnen, Trier, Germany

DR Room: the concerns & Agfa's answers

- ✓ **Versatility of the room**
 - Complete, integrated solution
 - Multi-purpose system
 - General Radiography
 - Digital Tomosynthesis
 - Full leg/Full Spine with EasyStitch
- ✓ **Image quality**
 - Dynamic MUSICA
 - Superb image quality
 - Lowest possible dose
 - For Genrad & Digital Tomosynthesis
 - Enhance noise suppression
 - Superb brightness
 - Density stabilization
 - Smooth, efficient workflow
- ✓ **Room efficiency**
 - Predictive workflow assistance with SmartXR
 - SmartAlign
 - SmartRotate
 - SmartDose
 - SmartPositioning
 - LiveVision technology
 - First-person camera view of your patient
- ✓ **Patient satisfaction**
 - Robust weight capabilities
 - Simplified access
 - Significant potential for dose reduction
- ✓ **Operator comfort**
 - Ease of use
 - Fully automation, auto-positioning and auto-tracking
 - ZeroForce technology
 - Complete workflow flexibility
 - wireless in-room remote console
- ✓ **Financial value**
 - One investment for a broad range of applications.
 - No need for additional specialty rooms.
 - Tailor-made service agreement solutions, making your lifecycle costs predictable.



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