

DIRECT RADIOGRAPHY

Delivering the fully  
**automated**  
digital X-ray room

DX-D 600: Direct Radiography from Agfa HealthCare



# A top-performance X-ray room

The DX-D 600's range of innovative, integrated features including full automation, powerful MUSICA<sup>2</sup> image processing software, and top technology detectors, delivers a premier X-ray room performance.

#### Full automation that meets European standards

The DX-D 600's fully automated, ceiling suspended solution offers maximum study versatility and high throughput designed to deliver a truly integrated, innovative X-ray room.

#### MUSICA<sup>2</sup> and NX acquisition station deliver enhanced workflow

The inclusion of the much-acclaimed MUSICA<sup>2</sup> image processing software and the NX acquisition station within the DX-D 600 solution ensure that you can be confident of achieving fast acquisition, integrated CR/DR capabilities and superior connectivity with RIS/PACS.

#### Top technology detectors offer dose reduction potential

Offering a choice of fixed, portable and wireless detectors, the DX-D 600's Cesium Iodide detector technology delivers excellent image quality, immediate image availability and a high potential for significant dose reduction. For cost effectiveness, optional Gadolinium Oxy-Sulphide technology detectors can also be integrated to enable further price reductions.



A fully automated, ceiling suspended solution that delivers maximum study versatility and high throughput, the DX-D 600 provides a premier X-ray room solution delivering maximum flexibility and productivity.



DX-D 600 – Delivering high quality automated imaging

# Full automation

for maximum productivity

The DX-D 600's fully automated capabilities deliver maximum flexibility and productivity.

#### State-of-the-art automation maximizes productivity

The DX-D 600 provides the latest in state-of-the-art auto-positioning technology, fully-automated tracking and manual positioning – with quick, near zero-force manual movement in all directions making it indispensable in an emergency situation. Robotization, in combination with the pre-programmed NX exam tree, the automated MUSICA<sup>2</sup> processing, and seamless integration with RIS and PACS, enable you to achieve maximum productivity.

#### Automated controls facilitate ease of use and high throughput

Designed for both ergonomics and productivity, the DX-D 600's automation makes it easy to steer and use – invaluable in high throughput situations. Its ceiling suspended tube crane is operated through a touch screen control panel and integrated soft console on the NX monitor. By selecting a thumbnail on the NX workstation followed by auto positioning, you can control all ceiling movements. The touch screen's APR and X-ray parameters, such as each patient's name, ensure mistakes are avoided.

Additional features include LED lighting that indicates when the table or wall stand is in use, and multiple programmable parking positions to which the unit returns after each exposure.

#### Detector choice offers increased flexibility

The DX-D 600's choice of fixed or tethered portable DX-D 10 and DX-D 20 detectors or wireless DX-D 30 detector in both its table and wall stand offers you increased flexibility across the widest range of studies.

#### Accurate and efficient dose management to the millisecond

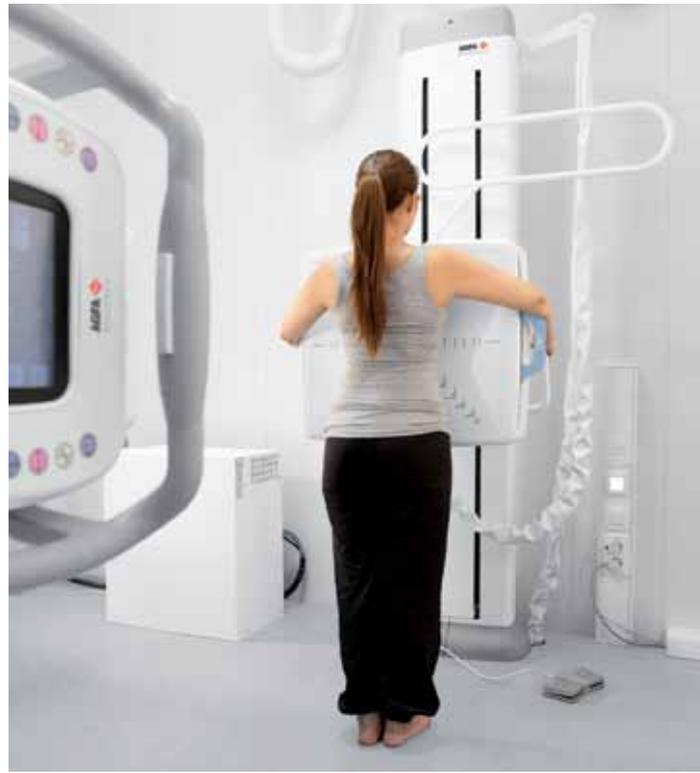
By using leading-edge solid state Automatic Exposure Control for high-speed accuracy and collimators with Dose Area Product meter, the DX-D 600 optimizes and automatically reports doses. Short exposures offered by new solid state dose sensing technology keep dose measurement accurate to the millisecond.

#### DR Full Leg Full Spine option

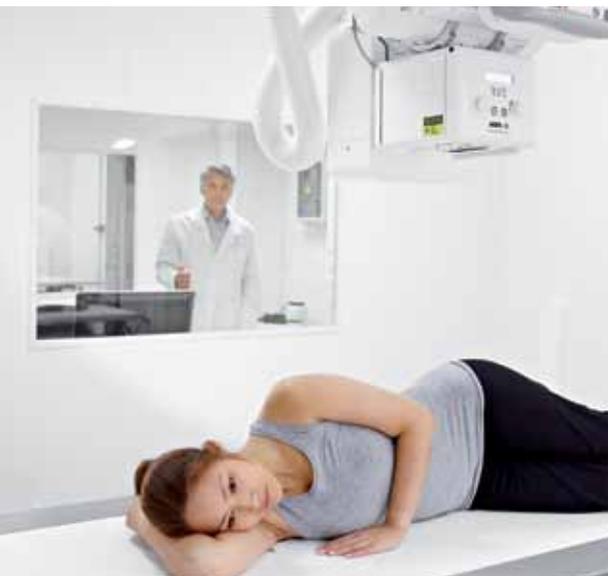
The DX-D 600's fully motorized wall bucky has vertical tracking and offers the option of DR Full Leg Full Spine. The accurate motorized movement of the wallstand and tubehead ensure the highest image quality thanks to accurate stitching capabilities.

#### Maximum load and positioning capabilities

In terms of load and position, the DX-D 600 is ideal for the widest range of patients and types of study. The radiographic table supports a superior patient load of 300 kg (661 Lbs), enabling you to undertake the most logistically challenging studies. Grid sensing for both the table and wall stand alerts the operator to the grid's insertion, ensuring optimum exposure quality. In addition, full motorization that offers vertical / horizontal table bucky tracking and auto-positioning, and a tilting bucky on the wall stand, makes rotation from landscape to portrait simple.



State-of-the-art automation, including the NX workstation, a choice of detectors, and maximum load and positioning capabilities including DR Full Leg Full Spine, make the DX-D 600 invaluable in high throughput situations.



DX-D 600 – Delivering high quality automated imaging

# Powerful image clarity and dose reduction capabilities

Achieving the highest quality images with the best definition and contrast, and reducing patient dose, remains the ultimate goal of any imaging solution.

## Top technology detectors deliver dose reduction potential

The DX-D 600 offers a choice of CsI (Cesium Iodide) technology for high quality imaging, with the potential for significant patient dose reduction, as well as GOS (Gadolinium Oxy-Sulphide) detectors. The choice of detectors and their scalability provides a clear growth path from CR to DR.

Fully compliant with the new IEC Exposure Index Standard, the choice of fixed or tethered portable DX-D 10 and DX-D 20 detectors or wireless DX-D 30 detector in both table and wall stand offer maximum flexibility of studies and, with Advanced Dose Monitoring Software, help you keep doses lower. In addition, grid sensing offers an automatic signal to indicate when the grid is inserted.

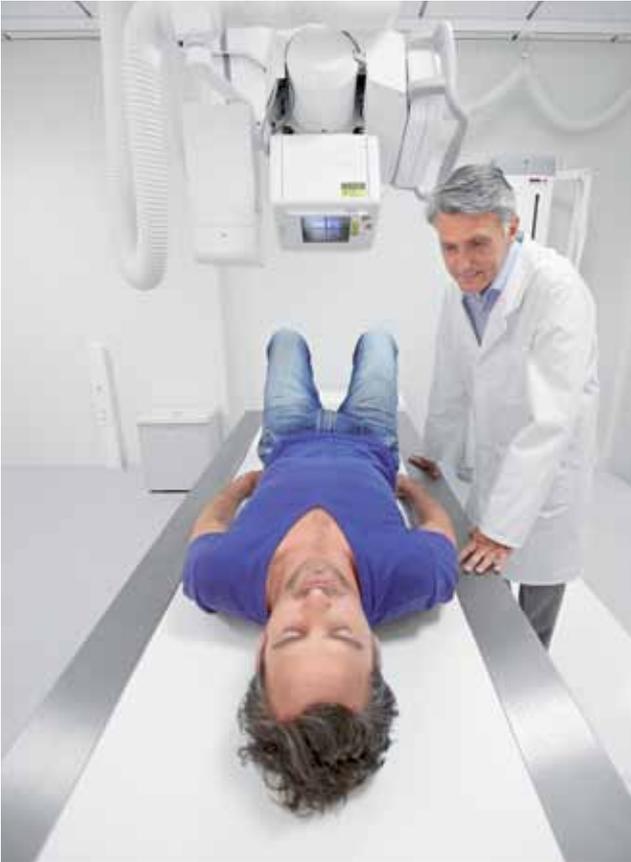
## MUSICA<sup>2</sup> tuned for DR

At the heart of the DX-D 600 DR system lies Agfa HealthCare's gold standard imaging software MUSICA<sup>2</sup> – the latest intelligent and automated digital radiography image processing for consistently reliable, high quality image visualization. Exam independent, MUSICA<sup>2</sup> automatically analyzes the characteristics of each image and optimizes processing parameters – independent of user input and dose deviations. The result is minimal re- or post-processing is required. In addition, MUSICA<sup>2</sup> provides a consistent look and feel on the CR images when the DR unit is combined with CR capture to provide extra diagnostic confidence.

### MUSICA<sup>2</sup> – the benefits

- Gold standard imaging software
- Intelligent and automated CR and DR image processing
- Consistently reliable, high quality image visualization
- Exam independent

The DX-D 30C digital wireless detector fits into any standard bucky tray and can be removed to ensure versatility for all exams.



At the heart of the DX-D 600 DR system lies Agfa HealthCare's gold standard imaging software MUSICA<sup>2</sup> – the latest intelligent and automated digital radiography image processing for consistently reliable, high quality image visualization.

The inclusion of MUSICA<sup>2</sup> image processing software and the NX acquisition station delivers fast acquisition, integrated CR/DR capabilities and superior connectivity with RIS/PACS.



DX-D 600 – Delivering high quality automated imaging

# Streamlined integration capabilities

The DX-D 600 DR system provides you with high productivity, high diagnostic capabilities and high image quality in one practical in-room solution.

## Superior DICOM connectivity and integration maximizes investment

The DX-D 600's incorporation of the NX acquisition workstation provides superior DICOM connectivity and integration with RIS/HIS/PACS and your chosen imagers. This combination offers you a choice of soft copy or hard copy outputs, and ensures you enjoy improved workflow throughout your facility and beyond, maximizing the value of your IT investments.

## Scalable growth path for seamless migration to DR

Created by the expert imaging company that brought you proven CR solutions such as the DX-G and DX-M, the DX-D 600 DR system offers you all the benefits of DR productivity and CR versatility. By combining the DX-D 600's direct image capture capabilities with versatile panel formats that allow you to design the room that you need; MUSICA<sup>2</sup> image processing; immediate preview on the NX workstation; and a user interface with the same look and feel for both CR and DR, the DX-D 600 enables you to migrate to Direct Radiography seamlessly.

## Why choose the DX-D 600 DR system?

- Outstanding image quality.
- Fully automated system delivering improved workflow.
- Choice of CsI (Cesium Iodide) technology or GOS (Gadolinium Oxy-Sulphide) detectors – fixed full size or portable.
- Unified look and feel of CR and DR images through the combination of MUSICA<sup>2</sup> imaging processing software and NX acquisition station.
- DR Full Leg Full Spine capability.
- Fast acquisition, and integration with CR and DR, through NX workstation.
- Seamless DICOM integration with RIS/PACS/HIS systems.

High productivity, high diagnostic capabilities, high image quality and superior DICOM connectivity ensure the DX-D 600 maximizes your investment.



DX-D 600 – Delivering high quality automated imaging

# Premium quality solutions

Making the right choice of DR solution for your facility can be a challenging decision. You want to be sure that you make the right decision as it has long-term implications, both practical and financial.

#### Imaging and integration founded on proven technologies

At Agfa HealthCare, imaging and integration are our core business. That's why when you choose the DX-D 600 DR system, you have the confidence of knowing that it is founded on the same proven technologies as all Agfa HealthCare solutions: solutions that deliver top quality best-of-breed equipment, superior productivity and competitive service and maintenance agreements.

#### Professional Services optimize room performance

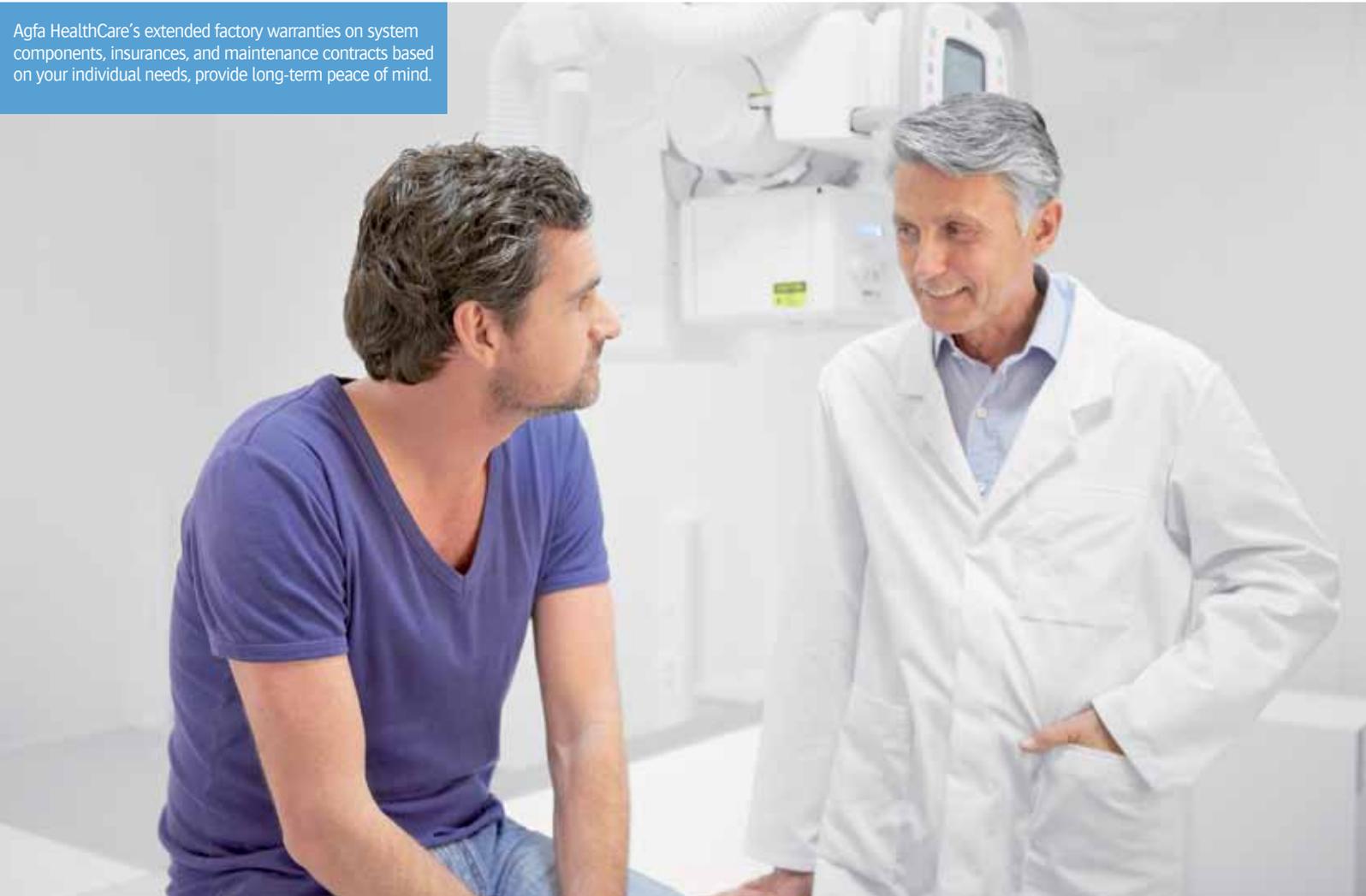
Beyond the installation and staff training involved in a DX-D 600 installation, Agfa HealthCare provides advice when planning your room. This helps ensure you optimize the performance of your facility and benefit from the increased ergonomics and productivity for many years to come. Tight integration with your RIS and PACS – such as configuring the system to translate RIS protocol codes directly into exam tree settings – offers further workflow improvement and a swift return on investment.

#### Relationships for the long-term

As an established and proven state-of-the-art, innovative vendor, we are committed to long-term productive relationships that ensure you enjoy all the benefits of developing imaging technology. Our program of new products is specifically designed to help you continue on your digital path from CR to a full DR system.



Agfa HealthCare's extended factory warranties on system components, insurances, and maintenance contracts based on your individual needs, provide long-term peace of mind.



DX-D 600 – Delivering high quality automated imaging

## Why AGFA?

Agfa HealthCare is a global leader in the fast growing market of integrated IT and imaging systems, offering healthcare facilities a seamless flow of information and a 360° view of patient care. The company has a unique, holistic approach, enabling it to provide in-depth clinical know-how and fully integrated hospital-wide solutions. These specialized solutions integrate IT and imaging systems for Radiology, Cardiology, Mammography and Orthopaedics. Agfa HealthCare's DX-D 600 Direct Radiography solution offers a fully automated digital X-ray room with MUSICA<sup>2</sup>, capable of delivering DR Full Leg Full Spine.

[www.agfa.com/healthcare](http://www.agfa.com/healthcare)

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