
Agfa HealthCare Launches DR 600 Fully Automated Digital X-ray Room



High-productivity, direct radiography system with motorised auto-positioning

- State-of-the-art automation and design in a multi-detector, high-productivity and high-throughput general radiography DR system
- Versatile motorised movement including horizontal and vertical tracking for exceptional ease of operation
- Exceptional user friendly tube head display with preview image
- Excellent contrast detail provided by MUSICA image processing software producing exam-independent consistent image quality
- Cesium Iodide DR detector technology gives significant patient dose reduction potential**
- Range of options lets hospitals choose a solution tailored to their needs

Agfa HealthCare announces that it is launching the DR 600 solution at the 2015 Deutscher Röntgenkongress (DRK), May 13-15, in Hamburg, Germany. The ceiling mounted DR 600 offers the latest in automation technology. The system enables high productivity, with fully-automated tracking and collimators with DAP and LED lighting. The DR 600 includes an innovative tube head design with a touch screen control panel featuring a preview image and an integrated soft console on the MUSICA viewing station. It includes solid, German-manufactured components and a full range of options. The many different configurations allow the hospital to choose where it will start - whether immediately implementing a full direct radiography (DR) solution, or with a cassette-based computed radiography (CR) solution that they can then evolve to cassette-less DR when they are ready.

Digital radiography solution for every budget

The DR 600 offers multiple configurations that can evolve with the hospital, ranging from a single detector, to a comprehensive multi-detector DR system. A wallstand only option with no radiographic table will also be available.

There is a solution for every budget: both powder phosphor plates and needle phosphor detectors are available for CR configurations, while either Gadolinium OxySulphide (GOS) or Cesium Iodide (CsI) technology can be selected for the DR configurations. CsI offers the potential for dose reduction between 50 to 60% when compared to conventional CR barium fluoro bromide systems**.

By combining DR with CR systems, all general radiography examinations and more complex studies can be captured with high accuracy and image quality such as DR Full Leg/Full Spine (FLFS).

Flexible configurations and options for every need

Built with solid hospital-quality hardware manufactured at Agfa HealthCare's factory in Peißenberg (Germany), the DR 600 offers a broad range of options that let hospitals tailor their solution to their needs. These include a wall stand with tilting bucky, an integrated digital inclination display or a 10 inch interactive display in the tubehead, motorised tracking of the tubehead and table or wall stand, automatic collimator, automatic cassette size sensor in the rotating bucky and a DAP (Dose Area Product) meter.

Empowered by MUSICA

Complemented by Agfa HealthCare's next generation MUSICA image processing software, the DR 600 provides excellent image quality with high contrast detail. The image processing, which has been specially adapted and tuned to further enhance the excellent DR image quality, is exam- and body part-independent, providing consistently high image quality and a very high diagnostic IQ.

The DR 600 is also available with the next version of MUSICA, which intelligently renders exceptional bone and soft tissue detail simultaneously. New technology improvements such as Fractional Multiscale Processing enhance both image quality and workflow for radiographers and radiologists.

The MUSICA workstation interface shares the same look and feel as Agfa HealthCare's CR solutions, and offers very fast previews, low cycle times and excellent connectivity with radiology information systems (RIS), picture archiving and communication systems (PACS) and hospital information systems (HIS).

"With the DR 600, we are driving towards our mission to make our customers successful, by bringing scalable DR solutions within their reach," comments Louis Kuitenbrouwer, Vice-President Imaging division of Agfa HealthCare. "It shows that digital solutions can be affordable and still meet high image quality needs. The hospital can choose its own path with a solution that delivers higher throughput and a lower cost per examination, with excellent image quality. That's the DR 600."

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