




# DR 100s A NEW FORCE IN MOBILE IMAGING

Performance. Intelligence.  
Agility. Ergonomics.





 The DR 100s has an excellent, smooth drive and motor, and gets across the hospital very well. It offers excellent maneuverability, and we really like the low height of the column. We can easily see over it, so we have a good view of where we are going.

**Claire Cooke**, Radiographer Reporting Practitioner, West Suffolk Hospital NHS Foundation Trust, UK

# Drive your **IMAGING** in the **RIGHT DIRECTION**

With its customer-driven design, amazing usability and freedom of movement, the DR 100s offers your facility a new force in mobile imaging. Combining a remarkably narrow width and light weight with a powerful generator and image processing, it puts performance and agility at your fingertips.



From start to finish, your mobile imaging is nearly effortless for staff and patients. Just push and go: to the emergency room, the ICU, and the patient's bedside. Once there, you have a host of tools and features for high-quality, high-performance DR imaging, while the SmartXR Assistant lightens your workload. So you can take your mobile imaging even further.

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## **The DR 100s** **Mobile imaging moving forward**

- Exceptional agility and ergonomics
  - Outstanding comfort and safety for patients and staff
  - A smooth, efficient workflow
  - Excellent DR image quality and potential for dose reduction
  - High-productivity bedside imaging of chest, abdomen, full leg/full spine, ...
  - MUSICA Nerve Center for enhanced productivity and image quality
  - Seamless communication with PACS, RIS and HIS
  - Predictive workflow assistance from Agfa's SmartXR Assistant for improved productivity and consistent outcomes
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# PERFORMANCE

## Smarter imaging, with MUSICA intelligence

At the heart of your DR 100s is the MUSICA acquisition workstation, which powers smooth, effective imaging. It automatically adds exposure parameters and eliminates the need for manual data entry.

Preview images and access the MUSICA tools and features from a single, intuitive interface on the 22-inch wide touch monitor, which can be tilted for comfortable, glare-free viewing.

Wi-Fi access to the RIS and PACS at the patient's bedside increases your exam efficiency, while giving faster access to images for diagnosis and clinical review.

**MUSICA**  
TECHNOLOGY

## More types of images, for greater mobile flexibility

The DR 100s takes your mobile imaging even further, with an extended range of image applications. You can capture the images you need for adult, pediatric and neonatal patients including chest, abdomen, skeletal and long leg / full spine (stitching) exams.



## A helping hand from SmartXR

The SmartXR Assistant provides a helping hand for fast, smooth image acquisition. From aligning the panel, through positioning the patient and setting the precise dose, to automatically presenting the image ready for viewing, SmartXR supports enhanced operational and clinical performance, while keeping the operator in control, at every moment.

**SMARTXR**



Automatically getting exposure parameters that are correct for the specific patient, ensures the radiologist can get the most information from the image, saving both the radiographer and the radiologist time.

**Prof. Dr. med. univ. Thomas Lehnert**, Chefarzt of RNS Gemeinschaftspraxis Radiologie, Wiesbaden





## Consistent imaging means lower dose

Radiation dose is everyone's business, and impacts both your patients and your staff. The DR 100s comes with Agfa's intelligent MUSICA image processing, specially adapted and tuned to further enhance the excellent DR image quality. Exam-independent, MUSICA provides consistent image quality and exquisite detail.

When used with the CsI detector technology, the excellent image quality also gives you the potential for significant dose reduction – without the need for manual adjustments.

SmartDose puts Agfa's proven imaging expertise into play by tailoring exposure parameters to the patient's thickness: speeding up dose settings, reducing retakes, improving image consistency and ensuring the 'right' dose for the patient.

**//** The DR 100s gives us excellent quality and dose for our bedside chest imaging. We can use a high kV technique, which enables a reduced radiation dose. We get 'X-ray room' image quality, with mobile advantages.

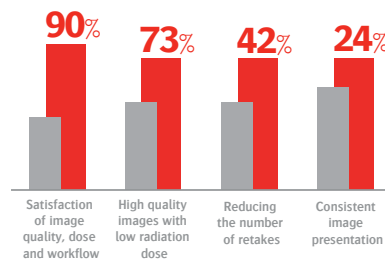
**Claire Cooke**, Radiographer Reporting Practitioner,  
West Suffolk Hospital NHS Foundation Trust, UK

F R O S T & S U L L I V A N

**General Radiography** accounts for **40% to 45%** of diagnostic imaging examinations in the US

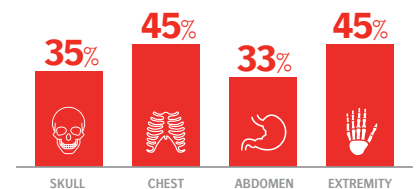
#### IMAGE QUALITY

Comparison of previous DR System to current Agfa DR System



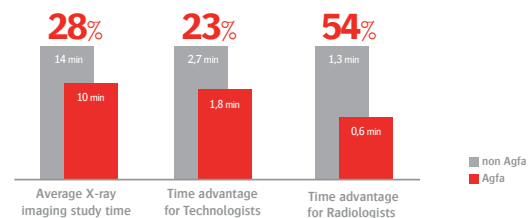
#### DOSE REDUCTION

Reported reduction of average radiation dosage after replacing competing DR system

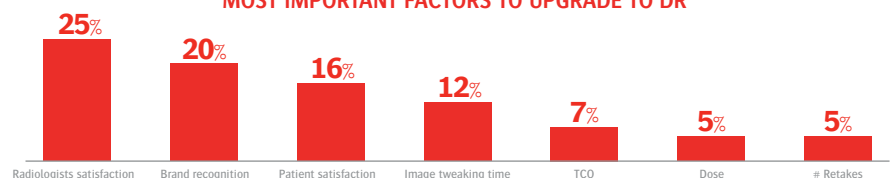


#### WORKFLOW PRODUCTIVITY

Agfa MUSICA has significant impact on radiology workflow



#### MOST IMPORTANT FACTORS TO UPGRADE TO DR







AGFA 

DR 100

John Doe  
1/1/1981, M  
Chest AP

Default

DAP

kV - 60 +

Max ms - 550 +

mAs - 16 +

0

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## Detector protection

Protecting your valuable investments is a priority for Agfa, as it is for you. The DR 100s comes with an anti-theft mechanism that locks out both detectors and remote control.

And to keep your imaging environment operating smoothly and cost-efficiently, Agfa offers the DR Detector Care Program, protecting your investment against damage or drops.

## From the imaging and integration specialists

Imaging and integration are at the center of Agfa's core business. The DR 100s is built on the same proven technologies as all Agfa solutions. You can be confident that it delivers top-quality, best-of-breed equipment, from a state-of-the-art vendor committed to using innovation to answer the real needs of ALL hospitals and healthcare facilities.

## Backed by proven experience and commitment

Agfa offers service agreement solutions tailored to the individual customer's situation. The service agreements are available in Basic, Comfort and Advanced levels, making lifecycle costs predictable. A team of hundreds of service professionals is available to provide support at all phases of your project. As an additional service, the service professionals can help you customize your examination tree or link RIS protocol codes for an even higher return on investment. Furthermore, this team carries out tasks that go well beyond maintenance, including value-added services such as staff training, super user training and software upgrades.







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AGFA 

DR 100S




# AGILITY

## Drive and park: take your DR where it's needed

When the patient can't come to imaging – imaging comes to the patient! With the motorized DR 100s, you can take high-quality, high-performance DR imaging where you need it, safely and easily.

Any staff member can quickly driver the compact and light system through doors, corridors, elevators and confined spaces. The FreeView collapsible column and the height-adjustable handle make it easy to drive and park, while sensors in the front bumper stop the unit automatically when an obstacle is detected. It's truly a smooth operator!

 The DR 100s ticks all the boxes: it's easy to drive, maneuver and operate. The image quality is excellent and everyone can learn to operate the DR 100s quickly – we can teach new colleagues the basics in 10 minutes.

**Bart Van Loon**, Radiographer, ZNA hospital network, Belgium









# ERGONOMICS

## Effortless imaging at the bedside

Imaging can be demanding, but the DR 100s makes it easy, even when patient mobility is a challenge. Freedom of positioning and flexible X-ray alignment at the bedside keep your patient safe and comfortable, while the ergonomic features take the stress off the operator as well.

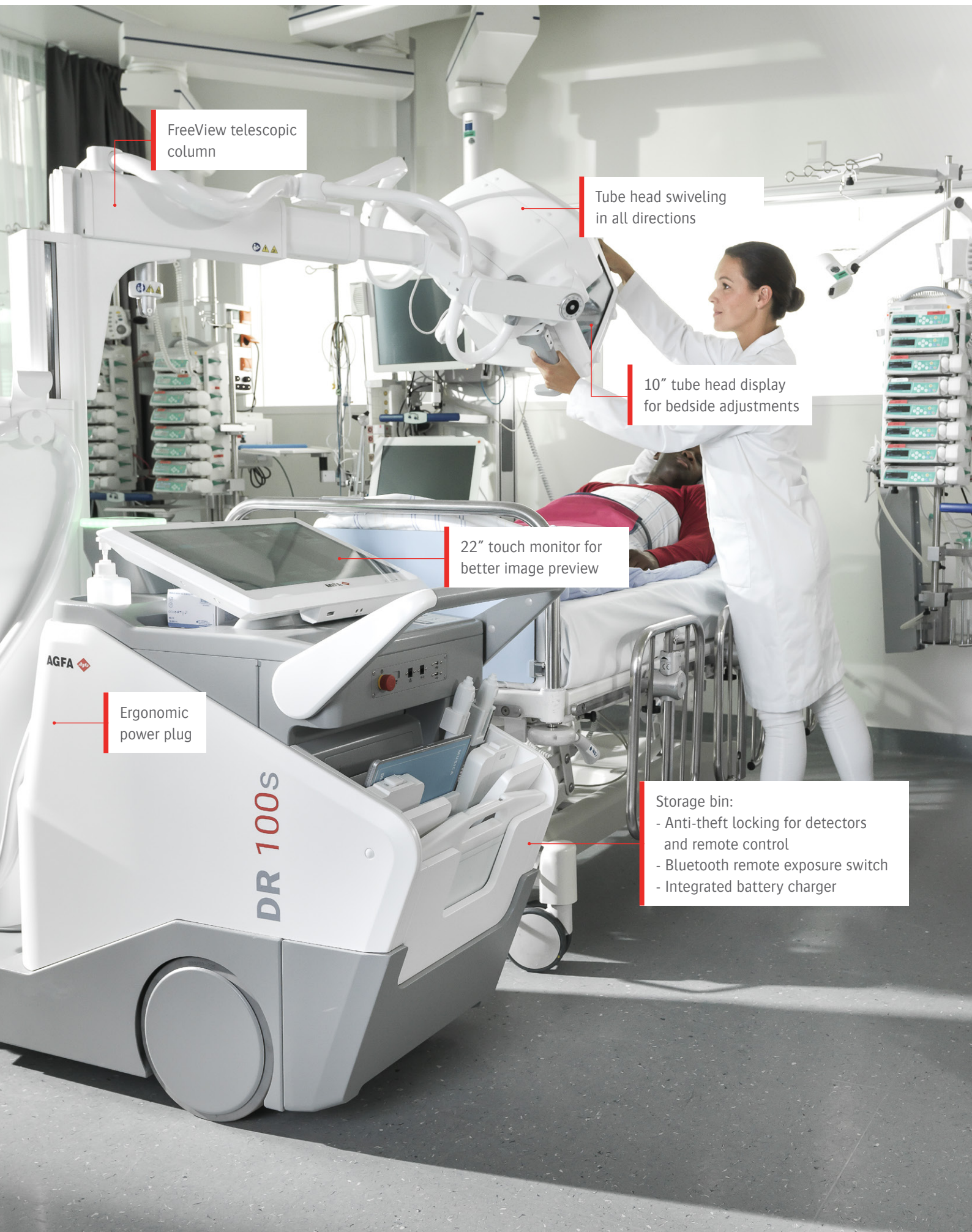
The ZeroForce technology provides flexibility of the tube-head along 3-axes, making manual movement of the tube nearly effortless. A simple push of the buttons on the tube-head lets you make precise movements in any direction. Check and refine positioning on the 10-inch display monitor without leaving the patient's side. The entire imaging process is designed to be more comfortable and more productive.



The DR 100s has a very good reach, so it can be parked at a certain distance from the bed. The flexibility of the X-ray tube enables precise positioning, and we can adapt the acquisition settings with the buttons on the tube head display, without walking back to the unit.



**Bart Van Loon**, Radiographer, ZNA hospital network, Belgium



FreeView telescopic column

Tube head swiveling in all directions

10" tube head display for bedside adjustments

22" touch monitor for better image preview

Ergonomic power plug

Storage bin:

- Anti-theft locking for detectors and remote control
- Bluetooth remote exposure switch
- Integrated battery charger





## Customer driven design

Designed in collaboration with users around the world, the DR 100s has plenty of features that enhance the convenience and efficiency for the technologist:

- Two monitors:
  - 10-inch monitor on the tube-head for precision imaging at the patient's bedside
  - 22-inch widescreen touch monitor, that can be angled to minimize glare, for image review and access to the MUSICA acquisition workstation tools
- FreeView telescopic column
- Ergonomically positioned power plug
- Storage for hand sanitizer, sani-wipes, gloves, barcode reader and other necessities
- Bluetooth remote exposure switch
- Storage bin for onboard battery charger, detectors and grids
- Anti-theft locking for detectors
- Simple and secure personal data information and system log-on
- Alignment of detector and tubehead



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