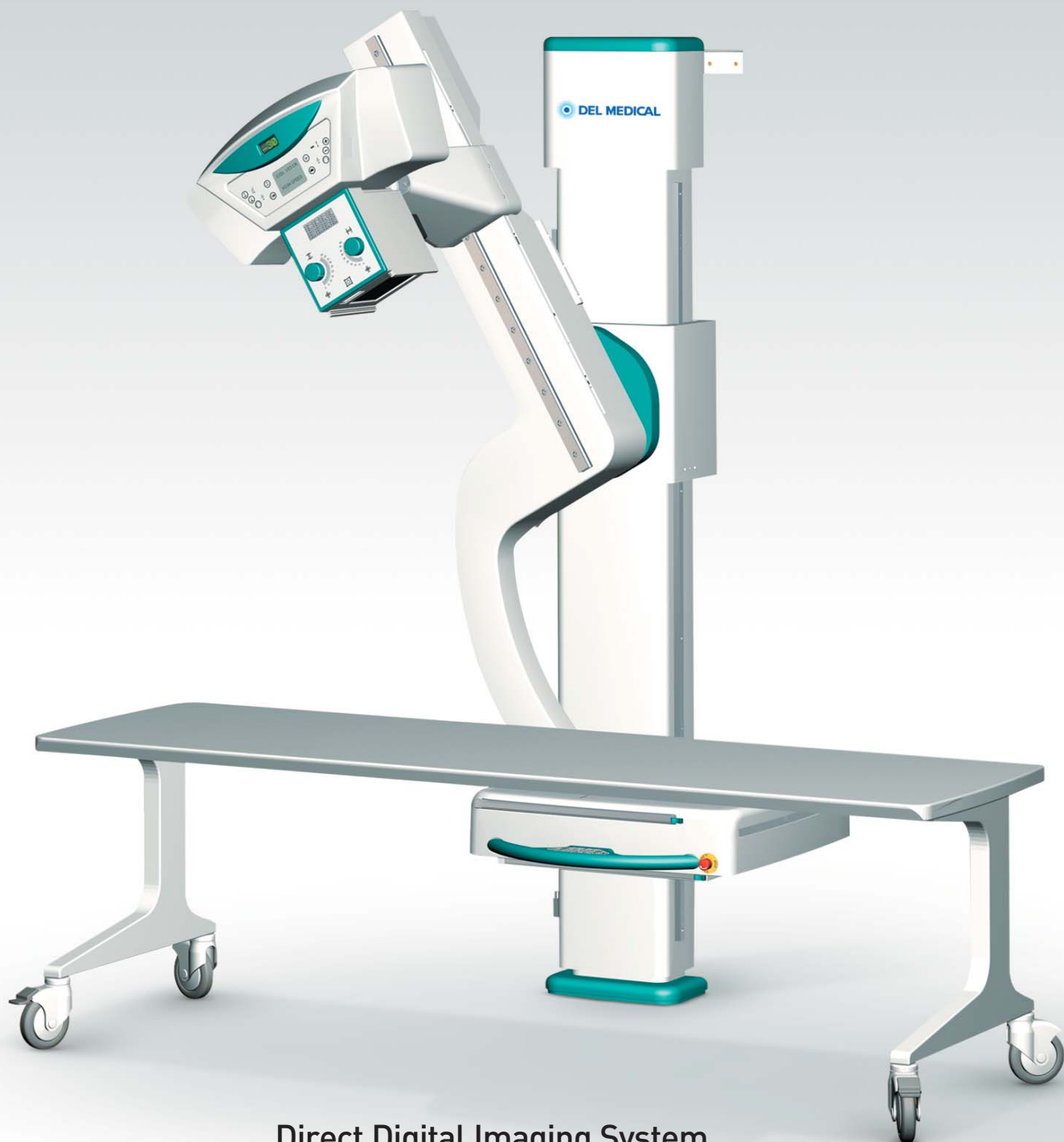


# U-ARC DRT

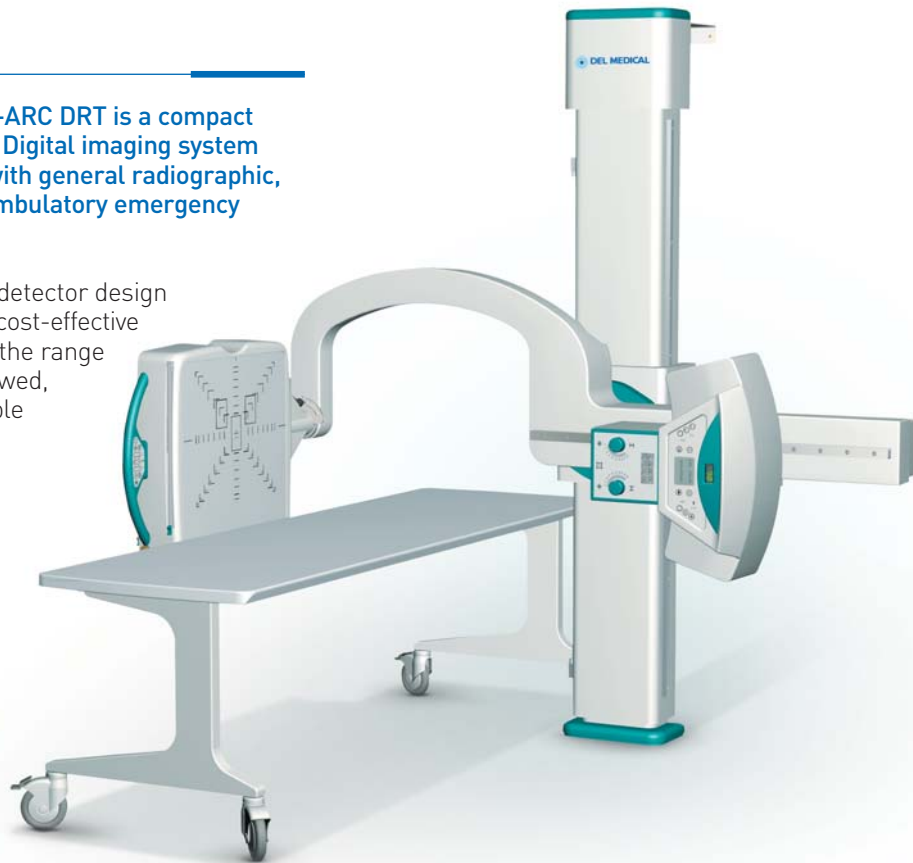


Direct Digital Imaging System

# U-ARC DRT

- **The Del Medical U-ARC DRT is a compact and flexible Direct Digital imaging system designed for use with general radiographic, orthopaedic and ambulatory emergency studies.**

The unique single-detector design makes the system cost-effective without sacrificing the range of applications allowed, including cross-table lateral exams.



## Flexible Positioning

The "U" shaped arm integrates the detector and the x-ray source into one solid structure. The unit can be freely positioned with the patient standing, sitting or lying on a mobile table for all radiographic projections.

The mobile table provides patient support and combines quick positioning with the ability to transport the patient directly into the examination room. The table is available with a standard, plastic-laminate top or with an optional low-absorption, carbon fiber top (shown).

All movements are motorized with the ability to recall the most frequently used anatomical positions, at the touch of a button.

The intelligent anti-collision system, based on multiple laser and pressure sensors, ensures reliable operation and quick, easy positioning.

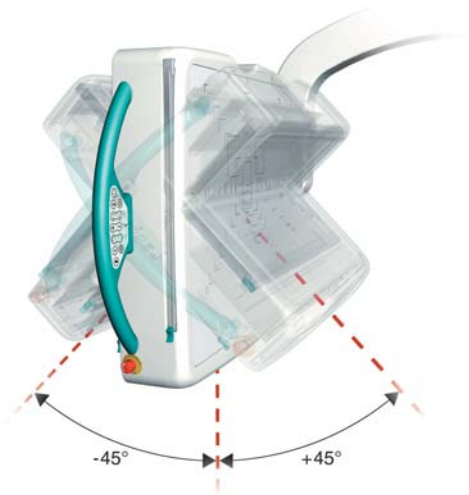


## High Productivity

The SID can be adjusted from 100 to 180 cm (40" to 72") and provides flexibility for all general radiographic exams.

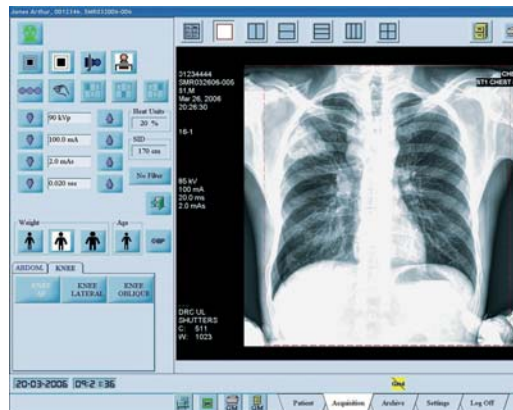
The constant alignment between the x-ray tube and the detector significantly reduces the exam set-up time, improves the room workflow and makes U-ARC DRT the perfect solution for high volume applications where increased throughput is a must.





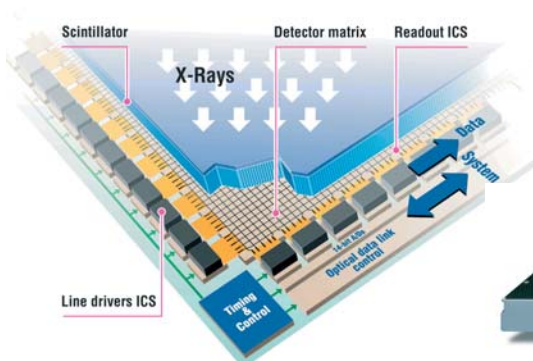
### Fully Integrated User Interface

The system's intuitive work-station integrates the detector and the x-ray generator, enabling acquisition and transmission of patient demographics, examination and image data to be combined into one digital format. From a single console, the Technologist sets x-ray exposure parameters, performs post-processing and distributes image data significantly increasing clinical efficiency. All exposure settings are automatically adjusted by the selection of the appropriate exam procedure and can be optimized to a specific preference by the technologist.



The system is equipped with a choice of high frequency generators and can be configured according to the user's needs. The "Plus" version adds a touch screen on the tube positioner that displays the geometrical settings of the unit and the suggested exposure factors. The automatic collimator and the infrared control provide additional efficiency for high workload rooms.

### Proven Flat Panel Technology



U-ARC DRT is based on the Pixium 4600® Flat Panel Detector from Trixell® employing Amorphous Silicon and Cesium Iodide technology which is state-of-the-art in the digital x-ray capture technology. Its high reliability is proven and backed by hundreds of installations worldwide.



### Advanced Image Processing



Unprocessed DR image



DR image with Advanced Image Processing

*The advanced image processing allows the full spectrum of tissue densities to be viewed on a single image without introducing edge or shadow artifacts.*

*Subtle details are easily seen with maximum dynamic range. Automatic image cropping and window and level adjustments further reduce the number of repeat exams to help increase workflow.*

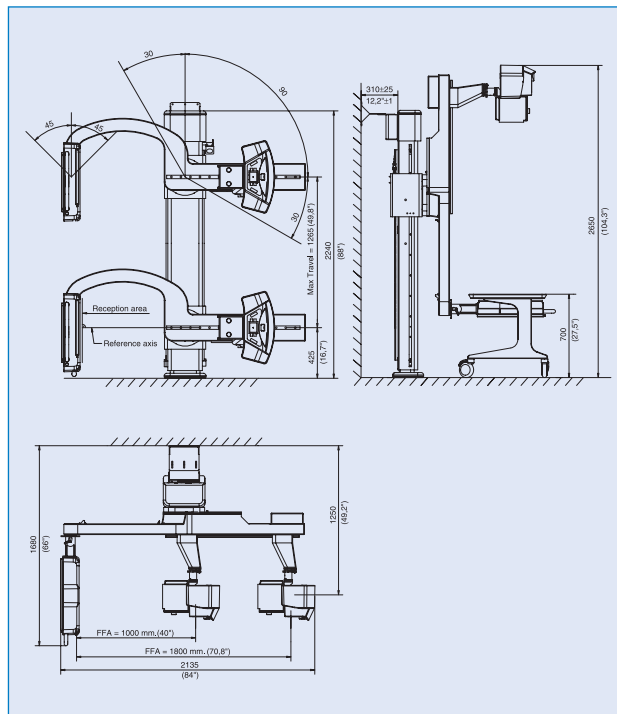
## U-ARC DRT

The Solution in Direct Digital Radiology

# U-ARC DRT

## Technical Data

<b>Motorized U-ARC stand</b>	
Arm rotation	Dual speed motorized 150° (+120 / -30°)
Vertical travel	Dual speed motorized 126 cm (49.8")
Source-image distance	Dual speed motorized 100-180cm (40-72")
Detector tilt	Motorized +/- 45°
Tube rotation	Manual +/-180°
<b>Image detector</b>	
Technology	Amorphous Silicon Flat Panel
Useful area	43x43cm (17"x17")
Image matrix	3001x3001 pixel, 14 bit acquired
Max resolution	3.5 lp/mm
Grids	Single wide range grid or dual interchangeable grids for 100cm (40") and 180cm (72") SID
<b>Image acquisition</b>	
Hardware platform	Pentium IV 2GHz
Image display time	5 seconds from exposure
User interface	Fully integrated with optional touch screen
Operator workflow	Setting of exposure factors, processing and DICOM operations are all handled from the console. All settings are automatically adjusted upon selection of the appropriate exam procedure and can be optimized to user preference.
DICOM connectivity	Standard: Print, Store Option: Worklist, Media creation
<b>Generator</b>	
Technology	High frequency
Power	Different models up to 80kW
AEC	standard
<b>X-ray tube</b>	
Focal spots	0.6/1.2 mm
Heat storage capacity	400kJHU standard. Others on request
High speed rotation	9000 rpm
<b>Standard mobile table</b>	
Material	plastic laminate
Tabletop size	200x65cm (78.7"x25.6")
Height	70cm (27.6")
Patient weight	200kg (441lbs)
<b>Optional mobile table</b>	
Material	Carbon fiber
Tabletop size	220x65cm (86.6"x25.6")
Height	70cm (27.6")
Patient weight	200kg (441lbs)
<b>Collimator</b>	
Adjustment	Standard: Manual. Optional automatic
Patient Alignment	Halogen lamp and linear laser beam
SID measure	Tape meter standard. Digital option.



### Plus version

The optional "plus" package includes a touch screen for U-ARC positioning and generator setting, an automatic collimator, an infrared remote control and an additional display on the U-Arm.

Specifications subject to change without notice