

## INNOVATION ON THE MOVE.

X-Factor thinking has revolutionized portable imaging. The CARESTREAM DRX-Revolution Mobile X-ray System lets you bring the key capabilities of a radiology room right to the patient – at the bedside, in the OR, the ICU or EDU.



# MOBILITY REDEFINED.



# THE POWER OF THE X-FACTOR.

Don't look now, but mobile imaging has been forever changed. The DRX-Revolution – like the entire DRX Family – is designed around the remarkable X-Factor wireless detector platform. This allows the same detector to work seamlessly across the entire line-up of DRX products – and slide right into your existing equipment, too. Take the DRX-Detector where you need it most. Use it in the DRX-Revolution for morning rounds, then move it to a radiology suite during the busiest exam times.

X-Factor thinking also makes it easy and affordable to convert, replace or expand your current systems.







## MAXIMUM MOBILITY.

Hectic hallways? Busy elevators? Small and cluttered patient rooms?

They're no match for the DRX-Revolution. The system is so compact and maneuverable, you can move it effortlessly – even make a 360-degree turn with one hand.

Plus, this low-profile marvel gives technologists an unobstructed view, thanks to the industry's only automatic collapsible column. They'll get where they're needed faster – and more safely.



# BETTER OUTCOMES BEGIN WITH BETTER IMAGES.

At the end of the day, it's the images that matter. The degree of clarity and resolution in an X-ray can directly affect the success of the patient's outcome. You can trust the DRX-Revolution to deliver the image quality only Carestream digital technology can provide.







## OPTIMIZED IMAGING.

The DRX-Revolution features a unique tube-and-grid alignment system that delivers superb X-ray quality and encourages grid use. A powerful 32kW generator, dual-focal spot tube and EVP Plus image processing combine to further optimize images. This means fewer retakes and more support for faster, more accurate diagnoses.

The DRX-Revolution also offers prior image review, including techniques and exposure history with its PACS-based query/retrieve capability.

### Custom Capabilities for ICU and Pediatric Imaging

You can enhance your system with a specialized ICU package that includes Tube and Line Visualization capability; it provides a companion image that is enhanced for a clear view of tube and PICC lines to verify correct positioning.

The Pediatric package utilizes image processing specific to pediatric views. It's designed to optimize image quality by utilizing pediatric-specific acquisition and processing parameters that suppress noise and enhance detail based on patient size.

### Your Choice of DRX Detectors

The DRX-1 Detector uses a Gadolinium (GOS) Scintillator for general radiography imaging.

The DRX-1C Detector uses a Cesium (CsI) Scintillator for dose-sensitive applications like pediatrics, with increased DQE and MTF.

The DRX 2530C Detector offers all the performance of the DRX-1C Detector in a smaller-format design, optimal for pediatric imaging – offering fast, easy positioning in incubator trays. The 2530C is also ideal for orthopaedic imaging.



# WE KNOW IT'S NOT EASY.

And we understand the challenges and changes you now face in providing quality healthcare services. Demand is growing, but constrictive budgets limit hiring and capital equipment purchases. Meanwhile, regulations are tightening and reimbursements are declining.

Clearly, you need to get the maximum efficiency and value from every person, process and piece of equipment in the enterprise.





## MAXIMIZE YOUR PRODUCTIVITY.

The DRX-Revolution will improve your workflow and boost your productivity. It begins with a simple, single card swipe, and your technologists are off and running. An intuitive GUI makes operation easy. And, a long tubehead reach—from the center of the cart to the axis of the X-ray beam—allows better patient access and more accurate positioning—even in crowded rooms.

Two touch-screen displays enable quick image review or technique changes from the console or the tube. The system “holds” the detector for you for easy bagging. Plus, this “X-ray room on wheels” offers bins for gloves, extra batteries, markers, bags and lockable storage for the detector.





# A PARTNER WHO CARES AS MUCH AS YOU DO.



## A Community of Service and Support

Benefit from all the advantages of our Customer Success Network. We work continuously to provide superb imaging performance, offer you new innovations as your needs change, and help you make the most of your budget and resources. Carestream's Customer Success Network surrounds you with a dynamic team of exceptional experts, with a Single Point of Entry for easy, customized access to the right people in every situation.



You and your patients will benefit from the expertise and best practices only Carestream can deliver, based on thousands of customer engagements worldwide and our 100-year heritage in medical-imaging innovation.

## Detector Specifications:

### DRX-1/DRX-1C Detectors

Receptor Type: Amorphous Silicon

Conversion Screen: GOS or CsI

Pixel Size: 139  $\mu$ m x 139  $\mu$ m

Physical Size: 35 cm x 43 cm (ISO 4090) 38.35 cm x 45.95 cm x 1.55 cm

### DRX 2530C Detector

Wireless standard 802.11n

Image Size: 25 x 30 cm

Pixel Pitch: 0.139 mm

Physical Size: 28.4 x 41.5 x 1.6 cm (11.2 x 16.3 x .63 in)

## Product Specifications:

### X-ray Generator

Maximum Power Output: 32kW

kVp Range: 40 to 150 kVp

mAs Range: 0.1 to 320 mAs

### X-ray Tube

Focal Spot Size: 0.6 mm / 1.2 mm

Target Angle: 14 degrees

Anode Heat Capacity: 300 kHU (212 kJ)

### Tube Head Movement

Maximum SID to Floor: 2022 mm (79.6 in.)

Minimum SID to Floor: 683 mm (26.9 in.)

Tube Arm Reach: 1351 mm (53.2 in.) (center of cart to axis of X-ray beam)

Column Rotation Range: +/- 270 degrees

Tube Rotation: +180 degrees CW/ -135 degrees CCW

Tube Tilt: -10 to +90 degrees

Collimator Rotation Range: +/- 90 degrees

### Physical Characteristics

Weight: 575 kg (1268 lbs)

Height (column collapsed): 1295 mm (51.0 in.)

Height (column extended): 1956 mm (77.0 in.)

Width: 576 mm (22.7 in.)

Length: 1219 mm (48.0 in.)

### User Interface

Primary: 19 in. Touch Screen

Secondary (tube head): 8 in. Touch Screen



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