

REQUESTING SERVICE: RADIOLOGY-(W)  
SHIP TO: WADE PARK WHSE  
V.A. Medical Center  
CHIEF, ACQ & MAT'L MGT  
10701 EAST BOULEVARD  
CLEVELAND, OH 44106

REQUISITION: 541-B93040

Item	Qty	Description
1		<b>DRX Revolution</b>
	1	<b>DRX-Revolution Mobile X-Ray System</b>  Carestream's innovative mobile X-ray room on wheels. The DRX-Revolution offers bins for gloves, paperwork, markers, bags and a lockable storage space for the detector. The collapsible column allows increased visibility and safety when driving the system. The tube arm can reach over 53 in (135 cm) to accommodate larger beds and crowded rooms while the system has 32 kW of power for shorter exposure times and more flexible technique selection. Dual, independent drive motors provide easy maneuverability and a maximum drive speed up to 3.5 m/h (5.6 km/h). An integrated proximity badge reader automatically logs the operator into the software and displays the patient worklist. Two touch-screen displays provide dual work zones with a 19 in. main monitor and 8 in. tube head monitor that allow the user to: <ul style="list-style-type: none"><li>• display the patient worklist</li><li>• review prior images (optional software)</li><li>• copy or change technique</li><li>• accept or reject images Other features include:<ul style="list-style-type: none"><li>• Integrated 1D barcode reader</li><li>• 2 integrated battery chargers for detector batteries</li><li>• Integrated storage bins for 1 DRX-1 detector, 1 2530C detector, 1 portable grid holder</li><li>• Wired exposure switch</li><li>• Direct access to RIS/PACs</li></ul></li></ul>

Item	Qty	Description
	1	<b>DRX Plus 3543C Detector</b>  Wireless, cassette-size, 35 x 43 cm CsI Detector for fast workflow and instant access to images. Fits into standard Bucky trays and the wireless capability make it also ideal for tabletop use. The detector uses Cesium Iodide (CsI) for dose-sensitive applications. <ul style="list-style-type: none"> <li>• Wireless standard: 802.11n</li> <li>• Image size: 35.0 x 42.3 cm</li> <li>• Pixel Pitch: 0.139 mm</li> <li>• External Dimensions: 35 x 43 Cassette (ISO 4090) 38.35 x 45.95 x 1.47 cm</li> </ul>
	1	<b>DRX Detector Battery</b>
	1	<b>IMAGEVIEW V1.X SOFTWARE FOR REVOLUTION</b>  Software for the acquisition, review, delivery and printing of images on the DRX-Revolution. Provides a streamlined user interface and configurable workflow for optimal productivity. Supports a number of options and advanced applications to further enhance image quality and improve patient care. Includes built-in product security.

Item	Qty	Description
	1	<b>EVP Plus Imaging Processing Software</b>  Provides highly automated, state-of-the-art image processing. Uses multi-frequency image processing to increase latitude while preserving detail contrast in both over-penetrated and under-penetrated areas. Automatically processes and delivers diagnostic quality images to PACS based on look preference that can be uniquely specified by each site. Includes grid line suppression that prevents aliasing artifacts and application of a collimator mask. Five independent controls are available for the user for image adjustments in an intuitive user interface.
	1	<b>Modality Worklist Software</b>  Facilitates automatic transfer of patient and procedure data from your HIS/RIS system, eliminating manual data entry, and increasing technologist productivity.
	1	<b>Administrative Analysis and Reporting Software</b>  Provides consolidated user-friendly reports from all Carestream CR and DR systems on the network. Example reports include repeat statistics by user and exam type, exposure data by user and exam, detector usage, system use by radiographer and much more. Users can also generate custom reports. Helpful for performance tracking and operational improvements.

Item	Qty	Description
	1	<b>CARESTREAM Remote Management Services</b>  State-of-the-art technology that allows Carestream Health to proactively monitor, diagnose and fix malfunctioning equipment even before it stops working. Provided to all warranty and contract customers, and available for current PACS, IMS, RIS, CR and DR product lines.
	1	<b>Two Handle Port Grid and Holder 103 Lpi 6:1 40-72 Fd 130 Cm</b>
	2	DRX Detector Battery
	1	<b>Standard side panels for DRX-Revolution</b>
	1	Standard Collimator For DRX-Revolution
	1	<b>Network Access Point</b>
	1	Cord Reel (USandC)
2		<b>DR Accessories</b>
	1	<b>DAP Meter</b>  Measures the Dose Area Product of the x-ray tube for an exposure and documents this in the DICOM header. With the optional IHE Scheduled Workflow Software the DAP data will be sent to the RIS via DICOM Modality Performed Procedure Step (MPPS).

Item	Qty	Description
	1	<b>2D Barcode Reader for DRX</b>  2D Barcode Reader for DRX
	1	<b>IHE Dose Reporting Software</b>  Collects and distributes comprehensive dose information to PACs including DAP value, techniques, and exposure indices. IHE has defined a protocol for reporting patient exposure dose. This feature will create a report using the IHE structure and send it to whatever destination the user identifies.
	1	<b>SmartGrid Software</b>  SmartGrid feature is a software option that provides, upon request by user, a diagnostic radiograph image with a reduction in visible x-ray scatter similar to the effect of an anti-scatter grid.
3		<b>DR Accessories</b>

Item	Qty	Description
	1	<b>ICU Software Package</b>  Package includes:  Tube and Line Visualization Software Creates a companion image from the original exposure with optimized processing for clearer, easier visualization of PICC lines and tubes. With a single exposure, the software It increases confidence that tubes and lines are placed correctly.  Pneumothorax Visualization Software Creates a companion image from the original exposure that is optimized to accentuate the appearance of free air in the chest cavity.  Auto-Correct for Image Display Analyzes the image content and presents chest images in the proper orientation regardless of detector orientation
	1	<b>Remote Exposure Switch</b>  Wireless, remote x-ray exposure switch for maximum mobility in making portable exposures
	1	DRX Plus 2530C Detector/ Mobile
	2	<b>DRX Plus2530 Detector Battery</b>  DRX 2530C and DRX Plus 2530C detector battery

Item	Qty	Description
	1	<b>DRX Plus2530 Detector Battery/No Charge</b>  DRX 2530C and DRX Plus 2530C detector battery
	1	<b>Military Grade FIPS Data in Transit (DIT) Wireless Encryption to Detector</b>  Military Grade FIPS 140-2 Level 1 Data in Transit (DIT) Wireless Encryption to Detector Option for DRX-Revolution
	1	<b>Bone Suppression Software</b>  Creates a companion image to the original exposure (chest views) which suppresses the appearance of bone and enhances the visualization of soft tissue. Requires no additional exposure to the patient. Has potential to increase the confidence of pathology assessment due to improved visibility.
4		<b>Professional Services</b>

Item	Qty	Description
	1	<b>AC DRX-REVOLUTION KEY OP TRNG</b>  Applications DRX REVOLUTION Key Operator Training - 2 days To provide the Operator with the skills necessary to use the Revolution system and produce images for diagnostic interpretation. It also provides an overview of Key Operator functions to allow the Key Operator to define system requirements and procedures necessary to configure the system according to the site's workflow environment. The Key Operator training is provided using the train-the-trainer philosophy, thus Key Operators can continue training your current staff as well as new staff in the future. Any training not used within 24 months of installation will be forfeited.
6		<b>DR Accessories</b>
	1	3 Years Warranty
7		<b>DR Accessories</b>
	6	Accident Protection Plan for Warranty Years



Optional

Item	Qty	Description
5		Professional Services
	1	<b>DR - CSH DRX1 /Mobile System Training</b>  Technical DRX1 In Room and Mobile System Training for Biomedical Engineers Any training not used within 24 months of installation will be forfeited.
	1	<b>DR - Revolution Service Training (Cat# 8695595, DRX1 Training , is a prerequisite)</b>  Technical DRX REVOLUTION Mobile Xray System Training for Biomedical Engineers Any training not used within 24 months of installation will be forfeited.

Carestream's innovative mobile X-ray room on wheels. The DRX-Revolution offers bins for gloves, paperwork, markers, bags and a lockable storage space for the detector. The collapsible column allows increased visibility and safety when driving the system. The tube arm can reach over 53 in (135 cm) to accommodate larger beds and crowded rooms while the system has 32 kW of power for shorter exposure times and more flexible technique selection. Dual, independent drive motors provide easy maneuverability and a maximum drive speed up to 3.5 m/h (5.6 km/h). An integrated proximity badge reader automatically logs the operator into the software and displays the patient worklist. Two touch-screen displays provide dual work zones with a 19 in. main monitor and 8 in. tube head monitor that allow the user to:

- display the patient worklist
- review prior images (optional software)
- copy or change technique
- accept or reject images

Other features include:

- Integrated 1D barcode reader
- 2 integrated battery chargers for detector batteries
- Integrated storage bins for detectors and grids: 25x30 (10x12"), 35x43 (14x17"), optional storage bin for 43x43 (17x17")
- Wired exposure switch
- Direct access to RIS/PACs

X-Ray Generator:

- Maximum Power Output: 32kW
- Vp 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.)
- 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.)