



### **SIMPLE. GENIUS.**

The DRX-Evolution is the world's first integrated DR suite powered by the innovative CARESTREAM DRX-1 System – a customizable DR solution designed to meet your needs. Upgrade your department to the flexibility of the DRX-Evolution. Convert to DR today with a solution that can grow to fit your needs tomorrow. Choose the configuration that best fits your budget, your space and your workflow.

## FLEXIBILITY MEETS VERSATILITY

### DRX-EVOLUTION IS THE WORLD'S FIRST INTEGRATED DR SUITE POWERED BY THE INNOVATIVE, CASSETTE-SIZED WIRELESS DR DETECTOR, DRX-1.

This versatile digital radiography system uses modular components that you can configure to fit your space, procedures, workflow, and budget. It can be scaled to meet growing or changing requirements for medical facilities of any size.

Choose from one, two or three detector options to perform a wide variety of general radiography examinations – including trauma – with remarkable convenience, productivity and patient comfort.

Whichever configuration is best for you, proprietary Carestream image processing software, EVP Plus, will provide outstanding image quality. And Carestream Health professional services will provide a single source of expert support to optimize system implementation and performance.

#### Precision Engineered by Carestream Health

Carestream has launched six generations of DR built on a legacy of leadership in imaging. The result is clinical excellence without compromise.



### DRX-1 DETECTOR

The flexibility of the DR cassette meets the automation of a real DR suite.

Whether you are upgrading a DRX-1 room or considering a full suite, the flexibility of cassette positioning is a clear advantage. The rapid speed of wireless DR means the image will appear on the console in seconds, while the detector size – 35 x 43 cm - means you will never again struggle to move the patient around a fixed DR detector.

The innovative DRX-Evolution digital radiography solution with DRX-1 was built with the input of users like you. This breakthrough combination will simplify even the most challenging views to let you maximize productivity and patient care.

The DRX-Evolution system is designed to make difficult exams go quickly and smoothly.

### LOW DOSE DRX-1C DETECTOR

The same wireless, cassette-sized detector designed for dose sensitive applications. This detector delivers general radiographic digital images easily and cost effectively with increased DQE and MTF.

This low dose 35 x 43 cm detector will transmit images to the integrated operator console for viewing and manipulation.

### EASY POSITIONING TABLE

General radiography exams, including trauma

This versatile, fixed table enhances workflow and productivity by aiding and simplifying patient positioning for a broad range of projections.

Easy to use, this elevating table with a four-way floating top can readily accommodate patients up to 600 lb (272 kg). Motorized table movements provide for convenient automatic tracking of the detector in the table and the overhead x-ray tube.

Table movement is enabled through double-tap foot pedals, providing an extra measure of safety for patients being imaged on the table.



### INTEGRATED OPERATOR CONSOLE

One space-saving console controls all imaging functions.

Single integrated console controls the generator functions as well as the digital image acquisition and processing.

Supports workflow enhancing protocols such as DxIOD, IHE Scheduled Workflow and IHE Consistent Presentation of Images.

Flexible user interface with touch screen control can be customized to match your clinical workflow.

**Additional software options enhance image quality and workflow.**

Take image quality and diagnostic confidence to a new level. Optional DirectView EVP Plus Software extends image latitude without loss of detail contrast.

Streamline your workflow when a study includes DR and CR images by using DirectView Capture Link System to integrate up to five floor standing DirectView DR and/or CR Systems on one console.

Obtain patient data directly from the hospital HIS/RIS system, eliminating the need for manual data entry with optional DICOM Work List Management Service Class User Software.









# YOUR FACILITY IS UNIQUE. SO ARE YOUR OPTIONS.

## FULLY AUTOMATED SOLUTION

Includes advanced features and automatic controls designed to provide the most productive workflow for the busiest radiology departments.

### Fully Automated System Components Include:

- DRX Detector/s
- Easy Positioning Table
- Integrated Operator Console
- Motorized Overhead Tube with Touch Screen
- Motorized Wall Stand for DRX Detector

OR

- Motorized Wall Stand with 43 x 43 cm Detector

## MOTORIZED WALL STAND

Flexible and ergonomically designed, this wall stand saves space, enhances workflow, is easy to use, and simplifies patient positioning.

### Wide range of motion

Accommodate a wide variety of patients and projections with a Bucky that has an extensive vertical range of motion from the floor up to 71" (180 cm).

Perform horizontal projections of patients with Bucky tilt capability from negative vertical (-20°) to horizontal (90°). Lock the Bucky at any tilt angle, which will be displayed on the Bucky arm.

Optional low-profile, easy-to-clean, floor-mounted rail system allows for moving the entire wall stand laterally.

Tracking and centering features enable automatic alignment of the detector with the overhead tube (up and down and along optional rail).

### Broad range of exams

Use this wall stand for upright examinations such as chest, lateral cervical spine, standing knee, and more.

Having four contoured sides allows patients to wrap their arms around the Bucky to be close to the detector resulting in decreased image blur.

Position the Bucky horizontally for upper extremity studies or to position under an optional moveable table for projections of supine patients.

Perform cross-table exams of patients on gurneys using the side-to-side swing feature.

### Ergonomic design and options

Control the movements from a keypad on either side of the wall stand, or with a remote control.

Adjust Bucky height and tilt, turn collimator light on and off, control wall-stand travel on an optional floor rail system, activate optional automatic overhead tube/detector synchronization, and more — all with convenient operator controls.

## THE INTELLIGENT MOTORIZED AND SYNCHRONIZED OVERHEAD TUBE.

Minimize equipment positioning time with an overhead tube that will track detector movement (wall stand or elevating table) for consistent, source-to-detector alignment.

Push-button control will enable auto centering and auto-perpendicularity of the x-ray source-to-detector alignment.

### Auto Positioning

Improve workflow by using pre-programmed tube and Bucky positions, generator parameters, collimator settings, and more.

Select any pre-programmed exam and the equipment will automatically move into position.

Required operator presence enhances patient safety.

## MOTORIZED WALL STAND WITH 43 X 43 CM DETECTOR

A fixed 43 X 43 cm detector delivers high resolution images by combining amorphous silicon technology with cesium iodide scintillator.

## OPTIONAL AUTOMATIC LONG-LENGTH IMAGING

Capture a wide range of long bone images with your patient in an upright position.

Your workflow is enhanced with the use of fully-integrated automatic image stitching software. With one push of a button the detector automatically aligns and captures up to five images.



## HYBRID SOLUTION

Designed with features to meet your productivity requirements.

### Hybrid Configuration Components Include:

- DRX Detector/s
- Easy Positioning Table
- Integrated Operator Console
- Motorized Wall Stand
- Non-motorized Overhead Tube with Touch Screen

### NON MOTORIZED OVERHEAD TUBE

Flexible and user friendly touch screen display puts key data and controls where needed to streamline the examination process.

Save time and effort with controls designed and positioned for convenience and efficiency.

Monitor exams using a convenient color LCD with self-righting display of radiographic techniques and key data. These include SID, kVp/mAs, exam type, tube head angle, active detector, auto-centering and auto-tracking.

Simple collimator controls are positioned for easy adjustment. An automatic collimator option with additional internal filtration is available for added convenience.



Modular by design, this remarkable system allows you to build a fully automated suite of precision x-ray equipment that's right for your workflow – and budget.



## STANDARD SOLUTION

Don't pay for features you don't need. With the non-motorized system you can upgrade to efficient DR capability at an affordable price.

### Standard Configuration Components Include:

- DRX Detector/s
- Easy Positioning Table
- Integrated Operator Console
- Non-motorized Overhead Tube with Touch Screen
- Non-Motorized Wall Stand

### NON-MOTORIZED WALL STAND

Easy to move and ergonomically designed wall stand that can accommodate a wide range of exams.

With an active area of 35 x 43 cm, vertical range from the floor to 71 inches (180 cm) and contoured sides, patient positioning is simplified.

Optional manual tilt and rotation package allows for positioning under a moveable table as well as proper alignment of grid lines for any type of exam.

# DRX

Evolution



## Carestream Health Service & Support – A team of experts to optimize system performance.

Count on timely, dependable Carestream Health service and support for your DRX-Evolution System.

Secure remote diagnostic services help optimize uptime, reduce service calls, and expedite service by enabling support personnel to arrive on site with necessary parts.

Carestream Health's team of more than 1,700 service professionals worldwide is dedicated to keeping you up and running at peak performance.

Carestream Health professional services offers a portfolio of expert support from site planning and project management to DICOM and integration services.

[www.carestream.com](http://www.carestream.com)

### More Information

To learn more about the CARESTREAM DRX-Evolution, contact your local authorized distributor or Carestream Health representative at 877-865-6325, ext. 227.

Carestream Health, Inc.  
150 Verona Street  
Rochester, NY 14608  
U.S.A.

**Carestream**