

Carestream

DRX-Evolution Plus



Powerful. Versatile. Modular.

Our Flagship X-ray Room Optimizes Image Quality
and Speeds Workflow.



SMART IMAGING SOLUTIONS

A Proven Solution. Exciting New Capabilities.

Since its introduction, the CARESTREAM DRX-Evolution has set a benchmark for imaging performance in hospitals around the world.

Today, it still offers the power of the X-Factor, with a wireless DRX Plus Detector that works across virtually all of your imaging systems. It still features modular design, to fit your individual space, workflow and budget. And it still protects you from technology obsolescence with its future-proof design.

But now, the Evolution Plus delivers even more: a full range of new features and options that makes it more powerful, more dependable and more affordable than ever.

Benefits at a Glance

- Pristine image quality supports accurate diagnoses.
- Choice of fully motorized or manual operation.
- Future-friendly, modular design to grow with your needs.
- Extended tube-column range and high weight capacity table for extra flexibility.

See X-Ray Imaging In a Dramatic New Light.





A New Look.

A single glance at the DRX-Evolution Plus makes it clear that something new and exciting is going on. Consider its sleek, contoured lines...dynamic, updated trade dress...and high-tech LED lighting designed for both function and aesthetics. All in all, this upgraded Evolution Plus sports the contemporary, professional look that defines 21st-century imaging facilities.

More than Skin Deep.

But the benefits of the Evolution Plus go far beyond its cutting-edge makeover. New features include a table with a higher weight capacity, enhanced pediatric capabilities, extended tube-column range for sites with high ceilings, a future-friendly design to accommodate advanced applications as they're released, and more.





The Evolution of Evolution.



Experience the Power of Evolution Plus.



Proven Image Quality.

- The wireless, cassette-sized DRX Plus Detectors deliver superb image quality, easily and cost-effectively.
- Gain increased latitude and high-contrast image detail with optional EVP Plus Software.
- Software options powered by our Eclipse image processing engine accommodates specialties such as pediatrics, orthopaedics and trauma.



Flexibility.

- A single-detector platform works across a broad portfolio of DRX equipment.
- A selection of components lets you build the best system for your facility and budget.



At Carestream, imaging innovation is not a goal – it's an ongoing process. We've continually added features to keep the Evolution Plus on the leading edge, including:

- Advanced pediatric capabilities – including specialized software, a table that adjusts low enough for small children, and a new, extended tube column to reach feet and ankles easily – even in high-ceiling rooms
- A new, higher-weight-capacity table
- Fast, secure, swipe 'n' go log-on
- Tube touch-screen – allowing users to change techniques and view images from the tube
- Our unique wallstand Bucky-angulation feature
- Bone Suppression Software for optimized viewing of soft tissue
- Illuminated foot pedals for safe, easy operation
- Enhanced configurations, including a transbay option
- Automatic acquisition and stitching for long-length and supine imaging
- Detector charging in the table or wallstand
- IHE dose reporting
- Enhanced administrative analysis reports
- A design to grow with future applications



Versatility.

- Choose a one-, two- or three-detector option to perform many types of imaging exams, including tabletop and long-length imaging.
- Advanced components simplify patient positioning for a broad range of projections.
- The automated overhead tube is designed for positioning convenience and efficiency.
- Fixed or wireless detectors deliver workflow versatility.



Scalability.

- Take a modular approach to your capital investment.
- Customize a DR solution that fits your workflow and budget.
- Add DR systems as your facility expands and grows.
- The DRX-Evolution Plus is designed for advanced future applications.



Productivity.

- Images are ready for viewing and manipulation on the console in seconds.
- A wireless detector provides positioning freedom.
- One space-saving console controls all medical-imaging functions.
- Auto-positioning provides fast and accurate setup.



A Choice of Components: Right for Today. Ready for Tomorrow.

With Evolution Plus, create your own high-performance system – for the capabilities you need right now, plus the confidence your investment will be protected well into the future. No technology obsolescence, no wasted dollars – it's a system that's scaled to grow right along with your needs.



DRX Detectors.

Carestream Detectors offer a range of models and positioning ease to help even the most difficult exams go smoothly. The selection includes:

- The DRX Plus 3543, 4343 Detector with Gadolinium (GOS) Scintillator
- The DRX Plus 3543C, 4343 Detector with Cesium iodide (CsI) Scintillator, with increased DQE, MTF and Lower Dose
- The DRX Plus 2530C Detector with a smaller-format design, and smaller pixel pitch for better image quality, optimal for pediatric imaging
- The DRX Plus 4343 fixed GOS detector, or a low-dose Cesium iodide (CsI) flat-panel option

Easy-Positioning Tables.

These versatile tables enhance workflow by simplifying patient positioning for a broad range of projections. Both models feature a four-way floating top. Choose the table best for you:

- Standard table for patients up to 600 lbs. (272 kg)
- Extra-heavy-duty model for patients up to 705 lbs. (320 kg)
- Double-tap foot pedals for safe and easy table movement

Motorized Wallstand.

Ergonomically designed, this wallstand is easy to use, simplifies patient positioning and optimizes workflow.

- Vertical Bucky range of motion from the floor up to 71 in. (180 cm)
- Horizontal projections with tilt capability from negative vertical (-20°) to horizontal (90°)
- Optional floor-mounted rail system for lateral stand movement
- Auto-tracking and centering to align detector with overhead tube
- Broad range of studies – chest, lateral cervical spine, standing knee and more
- Horizontal Bucky positioning for upper extremity and under-the-table studies
- Side-to-side swing angulation for easy cross-table exams on gurneys

Motorized Overhead Tube.

The Evolution Plus overhead tube automatically tracks detector movement for fast source-to-detector alignment, along with auto-centering and auto-perpendicularity capabilities.

- Preprogrammed tube and Bucky positions plus generator and collimator settings for maximum efficiency
- Auto-positioning and auto-centering for table or wallstand procedures with the motorized tube
- Auto-tracking so that tube follows detector to the correct location – or operator moves tube and detector follows
- Automatic centering of the tube, even to angled Bucky positions
- Asymmetric-collimation capability so the top or bottom blade remains fixed while the other moves
- Motor-assist function for easy manual overhead-tube positioning, reducing operator fatigue



Non-Motorized Overhead Tube.

This affordable, easy-to-move tube saves time and effort with controls positioned for convenience and efficiency.

- Accurate monitoring of exams with color LCDs' self-righting display of techniques and key data including SID, kVp/mAs, exam type, tube-head angle, active detector, auto-centering and auto-tracking
- Simple collimator controls positioned for easy adjustment
- Automatic collimator option with additional internal filtration available

Operator Console.

The DRX-Evolution Plus lets you control all imaging functions, including generator operation, digital-image acquisition and processing from a single, space-saving console.

- Flexible user interface with touchscreen control, customized to match clinical workflow
- Automated Procedure Recognition (APR) supported
- Workflow protocols supported for faster procedures – DxiOD, IHE Scheduled Workflow, IHE Consistent Presentation of Images and IHE Dose Reporting

Options.

Optional Auto Long-Length Imaging

Capture a wide range of vertebral and long-bone images with your patient in an upright or supine position. Plus, the system automatically aligns, captures and stitches the images for fast and convenient imaging, enhancing patient care.

Transbay Option

A non-motorized overhead tube with the DRX Detector, paired with 39.3 ft (12 m) longitudinal rails, allows for rapid imaging in facilities with multiple trauma-bay configurations.

Dual Energy

Our Dual Energy Technology switches between high and low energy exposures, using a patented differentiation filtration to capture two image in succession. Two images are produced a soft tissue only image and a bone only image.

Digital Tomosynthesis

Software acquires a series of individual images from a range of different angles that are analyzed to provide depth information regarding patient anatomy. By separating overlying structures, it provides enhanced detection of subtle features that can be difficult to visualize in traditional 2D radiographs.

NO MATTER WHICH ROAD YOU'RE ON,
WE'LL GET YOU WHERE
YOU NEED TO GO.

SMART IMAGING SOLUTIONS



The Fastest Route to a Successful Imaging Future.

As you travel to the future of imaging, what's your next step? Perhaps you need to accelerate your X-ray workflow. Or add new imaging modalities to your facility to provide better patient care.

Wherever you're headed, we have the smart solutions you need: Full-digital imaging rooms and leading-edge mobile units. Wireless, shareable detectors and CR-to-DR retrofit kits. Affordable CR systems. Advanced digital imagers and our Managed Print Solutions service. As well as additional modalities including extremity CT and fluoroscopy. And as always, the gold-standard in X-ray film technology.

Start Mapping your Route Today.

From small clinics, urgent care facilities and specialty practices to large hospitals and imaging centers, every facility will find a Carestream solution to meet the most specific needs. Visit carestream.com and start your journey to greater productivity and a higher standard of patient care.

Carestream also offers Non-Destructive Testing solutions to help ensure quality and safety in the aerospace, petrochemical and other industries, as well as Contract Manufacturing to bring innovative coated products to market.

A Community of Service and Support.

For dependable service, look to our Customer Success Network. We work continuously to improve your imaging performance, help you to innovate as needs change, and make the most of your budget and resources. Carestream's Customer Success Network surrounds you with a dynamic team of 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.



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