control-x
MEDICAL
cxmed.com

PERFORM-X
ADVANCED DIAGNOSTIC X-RAY SYSTEMS

PERFORM-X, A MEDICAL DIAGNOSTIC SUITE THAT MEETS ALL YOUR NEEDS

Sophisticated yet cost-effective
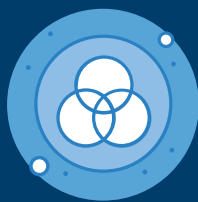
Digital imaging for all practices

Full system integration

Ceiling- or floor-mounted

Dual (motorized and manual) movement

Multiple automation levels

Minimal patient dose

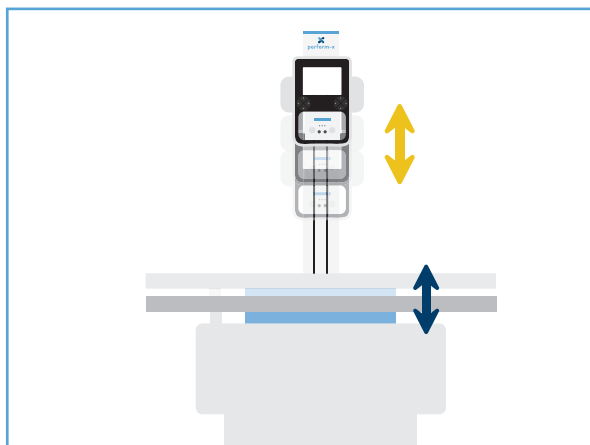✓ **MANUAL**   ✓ **AUTO-TRACKING**   ✓ **AUTO-STITCHING**   ✓ **AUTO-POSITIONING**

This brochure features both standard and optional system elements.

FEATURES TO INCREASE PATIENT THROUGHPUT, CHOICE OF STUDIES AND OPERATOR COMFORT
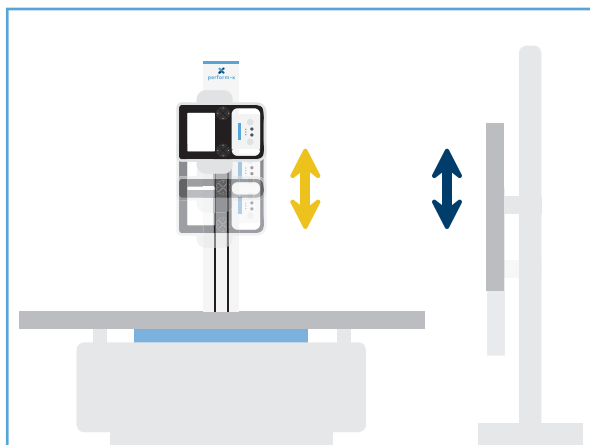
AUTO-TRACKING (PERFORM-X C200+ / F200+)

Motorized vertical syncing of x-ray tube and table top, keeping preset source-image distance (SID) constant
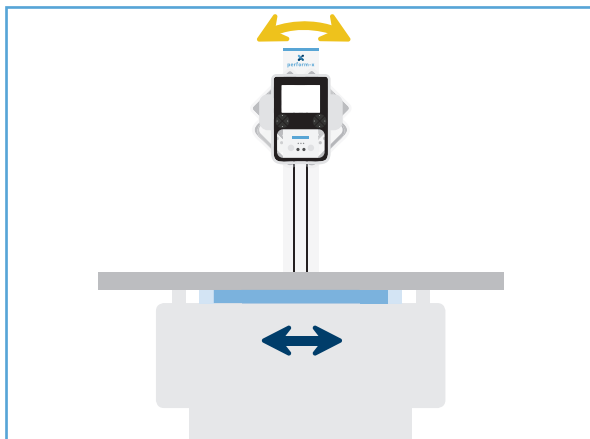

Motorized one- or two-way vertical syncing of x-ray tube and vertical detector

TABLE IMAGE RECEPTOR AUTO-ALIGNMENT (PERFORM-X C200+ / F200+)

Motorized alignment of table image receptor with x-ray tube movement and rotation

■ Image receptor movement   ■ X-ray tube movement
Automatic syncing between receptor and x-ray tube

DOSE-OPTIMIZED SMART STITCHING* (PERFORM-X C300+ / F300+)

- PXIM System Software calculates dose-limiting lowest necessary number of exposures based on set Start and End positions
- Automatic system positioning executes programmed stitching procedure
- Procedure is performed with constant focus, rotating x-ray tube
- Overlapping images are combined into seamless study
- Vertical stitching for up to 5, Horizontal stitching** for up to 3 images
- Stitching Stand is available to assist frail patients for vertical procedures
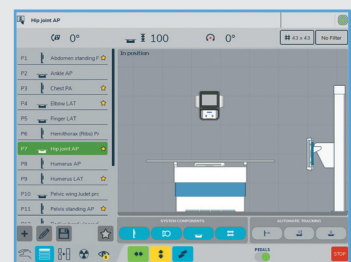
* Smart Stitching Procedure requires Auto-Collimation
** Horizontal stitching on the patient table requires Auto-Positioning features.

AUTO-POSITIONING (PERFORM-X C400 / F400)

- APR-controlled automatic positioning moves system into place for procedure
- APR positioning from Workstation
- Favourite APRs can easily be selected
- Anti-collision sensors ensure safe operation

SCAN QR CODES FOR VIDEOS FEATURING THE PERFORM-X C400 AND F400 SYSTEMS

C400

F400

CEILING-MOUNTED SYSTEM

- Customizable for any room height, including with low ceilings
- Variable longitudinal and cross-table travel ranges
- Maximum flexibility in system positioning
- Easy access to both sides of radiographic table
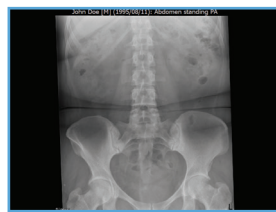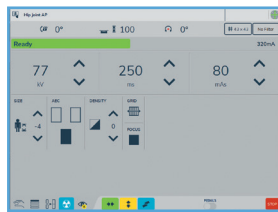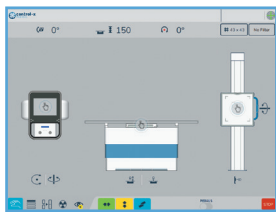- Motorized movement with manual override

VERTICAL STAND

- Receptor travels to the floor
- Fail-safe electromagnetic brakes
- LED system status light on stand (standby, tracked, error)
- Free-standing set-up
- Motorized or manual tilting receptor for full positioning flexibility
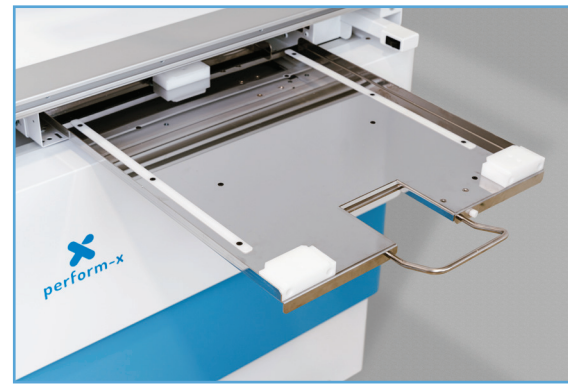- Optional in-bucky charging of detector

10" OR 12" SMART CONSOLE

- Enables full system integration with PXIM System Software
- Control of all movements in one place
- Access to favourite APR positions
- Quick Image Preview to evaluate exposure
- Integrated generator parameter control
- Live collimator Camera view
- Patient Positioning Guide to assist operator
- User Comfort Settings (e.g. table pedal lock)
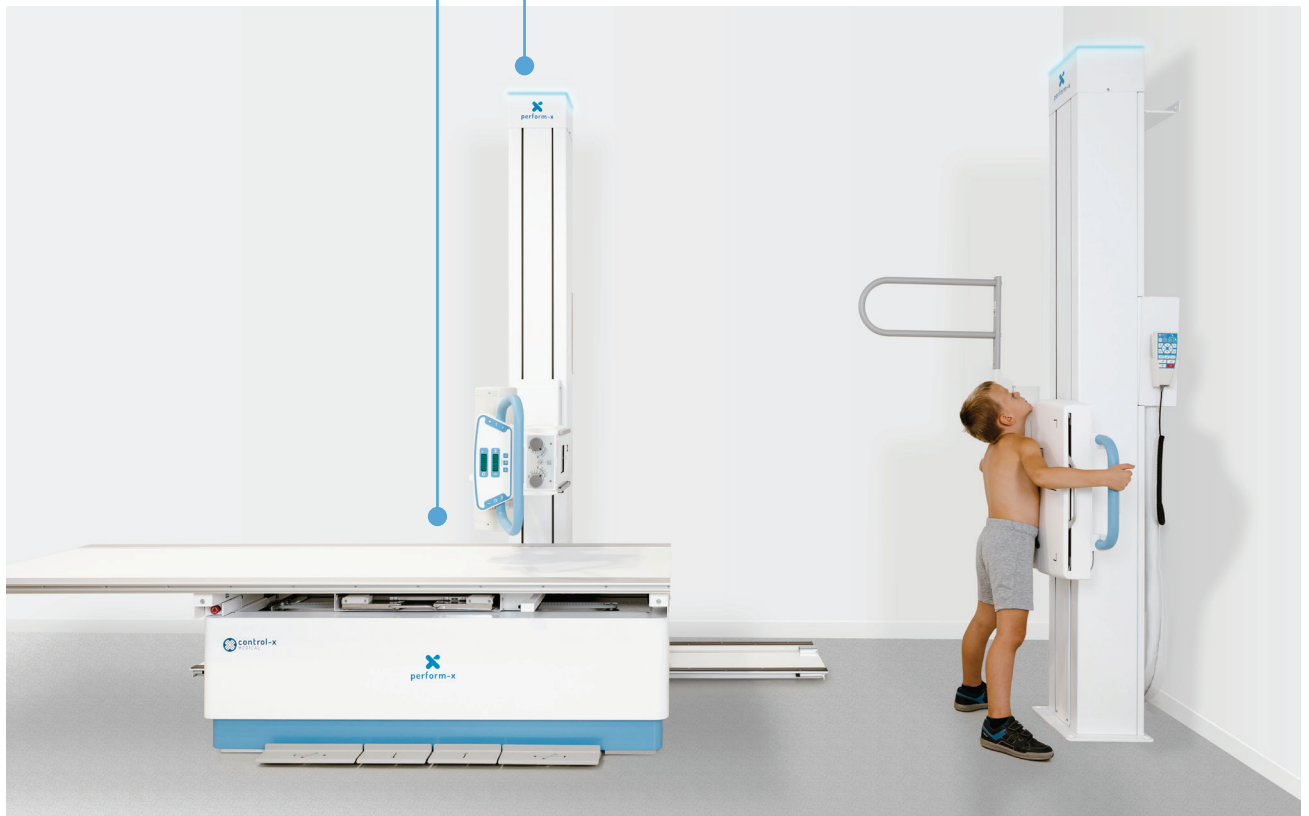- System status and error monitoring

FLOOR-MOUNTED SYSTEMS

- Column rotation for cross-table exams
- Transverse tube travel
- Extended vertical and horizontal travel options
- LED system status light on stands
  (standby, tracked, error)

PHOENIX ELEVATING TABLE

- Exceptionally wide vertical movement range
- Suitable for obese patients
- Six-way effortless patient positioning
- Advanced safety features to protect patient and operator
- Optional in-bucky charging of detector

Wired or wireless remote control for motorized movements

Easy-to-use membrane console

HIGH QUALITY COMPONENTS

- Receptor Tray with in-bucky charging or Receptor rotating mechanism (docking station)
- Wide selection of Industry-leading X-ray tubes
- Manual or automatic Collimators, including with Camera and Proximity Sensor
- High-density removable grids (non-oscillating)
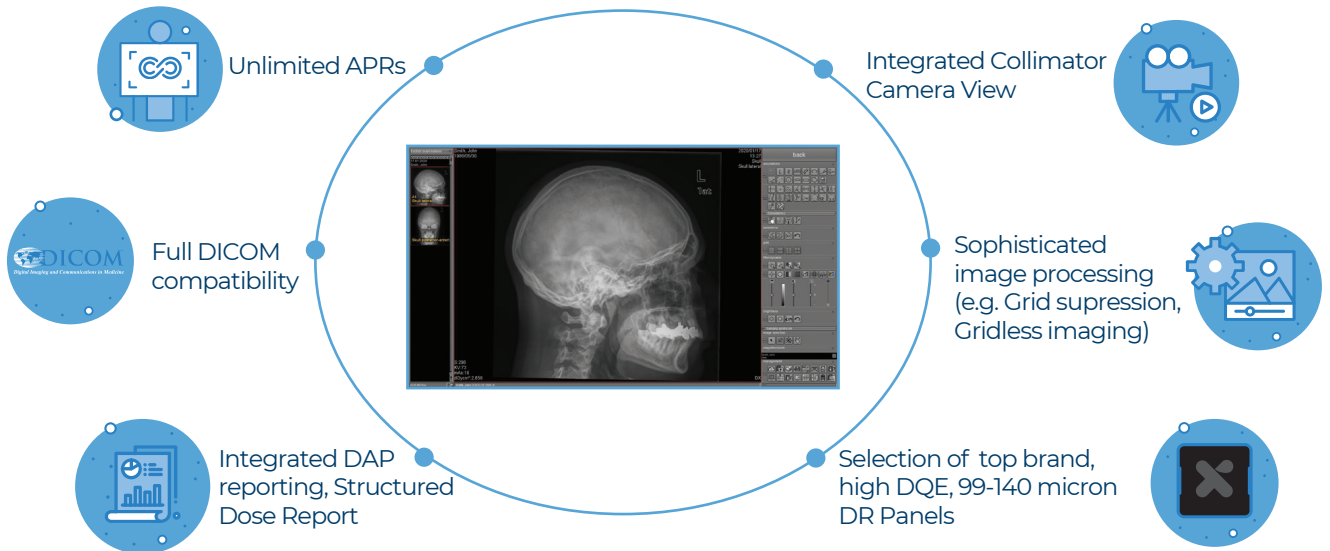
DOSAGE LIMITATION AND GENERATOR CONTROL OPTIONS

- Automatic Exposure Control (AEC) and Dosage Area Product (DAP) meter to avoided unnecessary dose
- 32 kW to 80 kW generator output range
- Stored energy generators up to 32 kW (capacitor discharge)
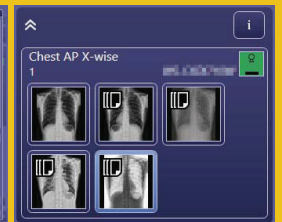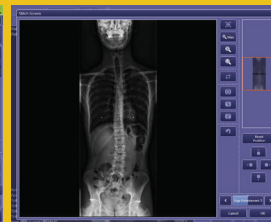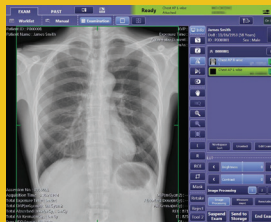
perform-x

INTELLIGENT MODULAR SOFTWARE (PXIM):

- **PXIM Console** - LCD user interface for Movement selection, Generator settings, Image Preview and other advance features
- **PXIM Embedded Control** - Modular embedded software enabling Automated Tracking, Stitching, Positioning, Safety sensors and overall Communication
- **PXIM Service** - Remote Diagnostics and Calibration

FULL DR SYSTEM INTEGRATION

Unlimited APRs

Integrated Collimator Camera View

Full DICOM compatibility

Sophisticated image processing (e.g. Grid supression, Gridless imaging)

Integrated DAP reporting, Structured Dose Report

Selection of top brand, high DQE, 99-140 micron DR Panels

CANON SOFTWARE INTEGRATION WITH PREMIUM DR PANELS

Canon

Chest AP X-wise
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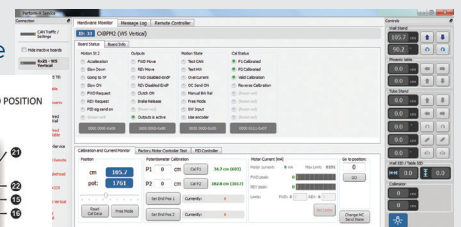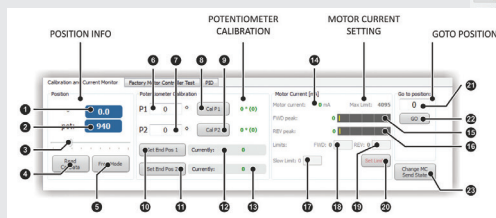
ARTIFICIAL INTELLIGENCE SUPPORTED CLINICAL DIAGNOSTIC SOLUTIONS

REMOTE DIAGNOSTICS

Advanced diagnostic software to minimize downtime

POSITION INFO

POTENTIOMETER CALIBRATION

MOTOR CURRENT SETTING

GOTO POSITION

FOUR STANDARD CONFIGURATIONS

IN BOTH CEILING- AND FLOOR-MOUNTED SYSTEMS

PERFORM-X SYSTEM CONFIGURATIONS

	Model Code	Manual (Counterbalanced)	Auto-Tracking	Auto-Stitching	Auto-Positioning
Floor-Mounted	**F100**	✓			
	F200	✓	✓		
	F300	✓	✓	✓	
	F400	✓	✓	✓	✓
Ceiling-Mounted	**C100**	✓			
	C200	✓	✓		
	C300	✓	✓	✓	
	C400	✓	✓	✓	✓

Certifications
ISO 13485, CE marked and FDA registered

CE 1011

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