ARCOMA

WORLD CLASS DIGITAL X-RAY SYSTEMS

PRODUCT PRESENTATION

ARCOMA PRECISION i5

CONTENT

- About Arcoma
- The Arcoma Precision i5
- The wall stand
- The OTC
- The table
- The detectors
- The accessories

ABOUT ARCOMA

Arcoma develops, produces and provides complete radiology solutions worldwide with the mission to improve care for the patient and the work environment for the user.

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Arcoma offers product solutions covering key clinical applications in the radiology area.

GENERAL CLINIC

MUSCLE/ SKELETON CLINIC

THORACIC CLINIC

PEDIATRIC CLINIC

TRAUMA/ RESUS CLINIC

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OUR PRODUCTS ENABLE

SUPERIOR WORKFLOW

UNIQUE RELIABILITY

EXCELLENT DIAGNOSTIC RESULTS

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ARCOMA PRECISION i5

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ARCOMA PRECISION i5

PREMIUM DIGITAL X-RAY SYSTEM

Arcoma Precision i5 is a new premium digital X-ray system that provides high quality images, clinical flexibility and superior workflow.

This is one of the most reliable products on the market, designed and built in Sweden according to the highest quality standards.

The workflow is excellent thanks to state-of-the-art ergonomics and supporting features such as auto positioning, wall stand with motorized tilt and automatic detector tracking.

The manual fine-tuning of the overhead tube crane is unique and can be made with minimal force. Also the ultralight and flexible Canon detectors ensures excellent imaging result at all times with minimal dose.

Low dose
Flexible detector configurations
Excellent imaging result
Safe investment
Superior workflow
Superior ergonomics
ARCOMA PRECISION i5
PREMIUM DIGITAL X-RAY SYSTEM
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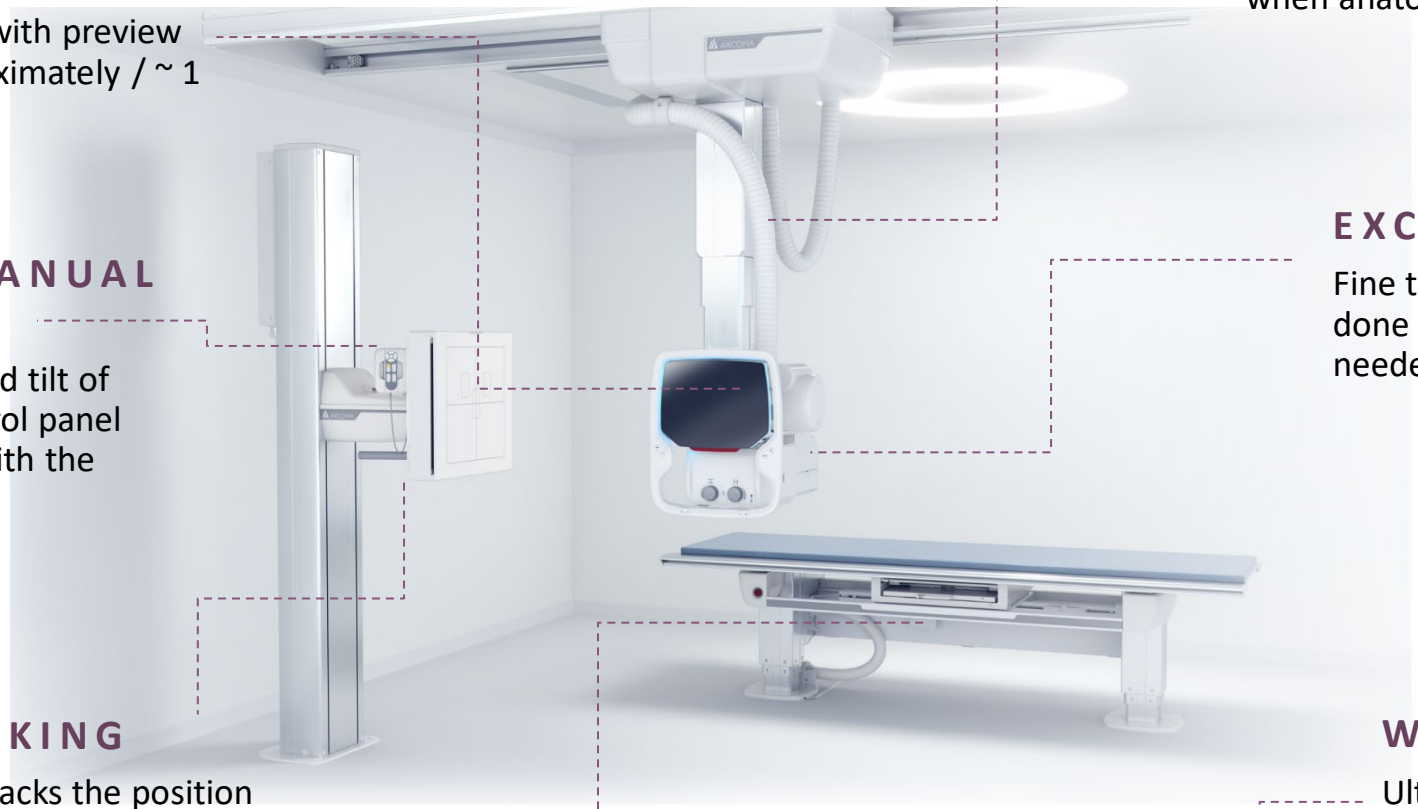
SUPERIOR WORKFLOW

EASY-TO-USE INTERFACE

Easy-to-use interface with preview image shown in approximately / ~ 1 second *1).

AUTO POSITIONING

Fully motorized auto-positioning when anatomical protocol selected.



MOTORIZED & MANUAL WALL STAND

Easy upward, downward and tilt of the detector from the control panel or foot control (optional) with the OTC tracking.

EXCELLENT FINE-TUNING

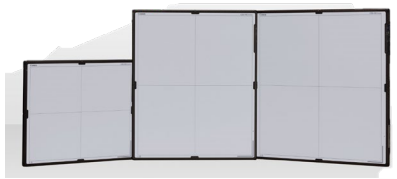
Fine tuning into the right position is done manually, with minimal force needed.

AUTOMATIC DETECTOR TRACKING

The tube automatically tracks the position of the detector so that the user can focus on the patient.

WIRELESS DETECTORS

Ultralight, flexible and wireless detectors.



*1) Depending on acquisition mode

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SAFE INVESTMENT

Arcoma Precision i5 is designed for the productivity and versatility needs of high-volume hospital imaging departments.

Its robust construction and high quality helps ensure reliable operation, minimal service and a long product lifespan, all of which lowers the lifetime cost.

- Reliable operation
- Minimal service needs
- Long product lifespan
- Low lifetime cost

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LOW DOSE

Arcoma Precision i5 provides high quality imaging with low dose for maximum patient safety. Software simulated grid is available as an option. It can be used for patients of all sizes and lower the dose by up to **60%**.

Arcoma continuously works to create a lower radiation dose in our solutions. Examples of components in the Arcoma Precision i5 system that contribute to dose reduction:

- CANON DETECTORS WITH HIGH DQE
- SOFTWARE SIMULATED GRID*
- AUTOMATIC EXPOSURE CONTROL

** Scatter correction software (option)*

Components that contribute to low dose

Arcoma continuously works to create a lower radiation dose in our solutions. The following components in the Arcoma Precision i5 system contribute to dose reduction:

CANON DETECTORS WITH HIGH DQE

The Canon detectors have high DQE (detective quantum efficiency), which provides a more efficient use of radiation, (i.e. low dosage) and high quality images.

SOFTWARE SIMULATED GRID

Dose can be reduced by **up to 60%** using a virtual grid (optional scatter correction software) for bedside examinations, rather than a physical grid.

DOSE MONITORING

The system is equipped with a Dose Area Meter (optional) that will measure and transfer the patient dose.

AUTOMATIC EXPOSURE CONTROL

Automatic exposure control automatically sets the exposure parameters for a specific patient and ensures good image quality with minimal dose.

PREDEFINED PROTOCOLS

Predefined protocols for different patient sizes can easily be selected from the tube display to adapt the dose accordingly.

ADVANCED IMAGING PROCESSING ALGORITHMS

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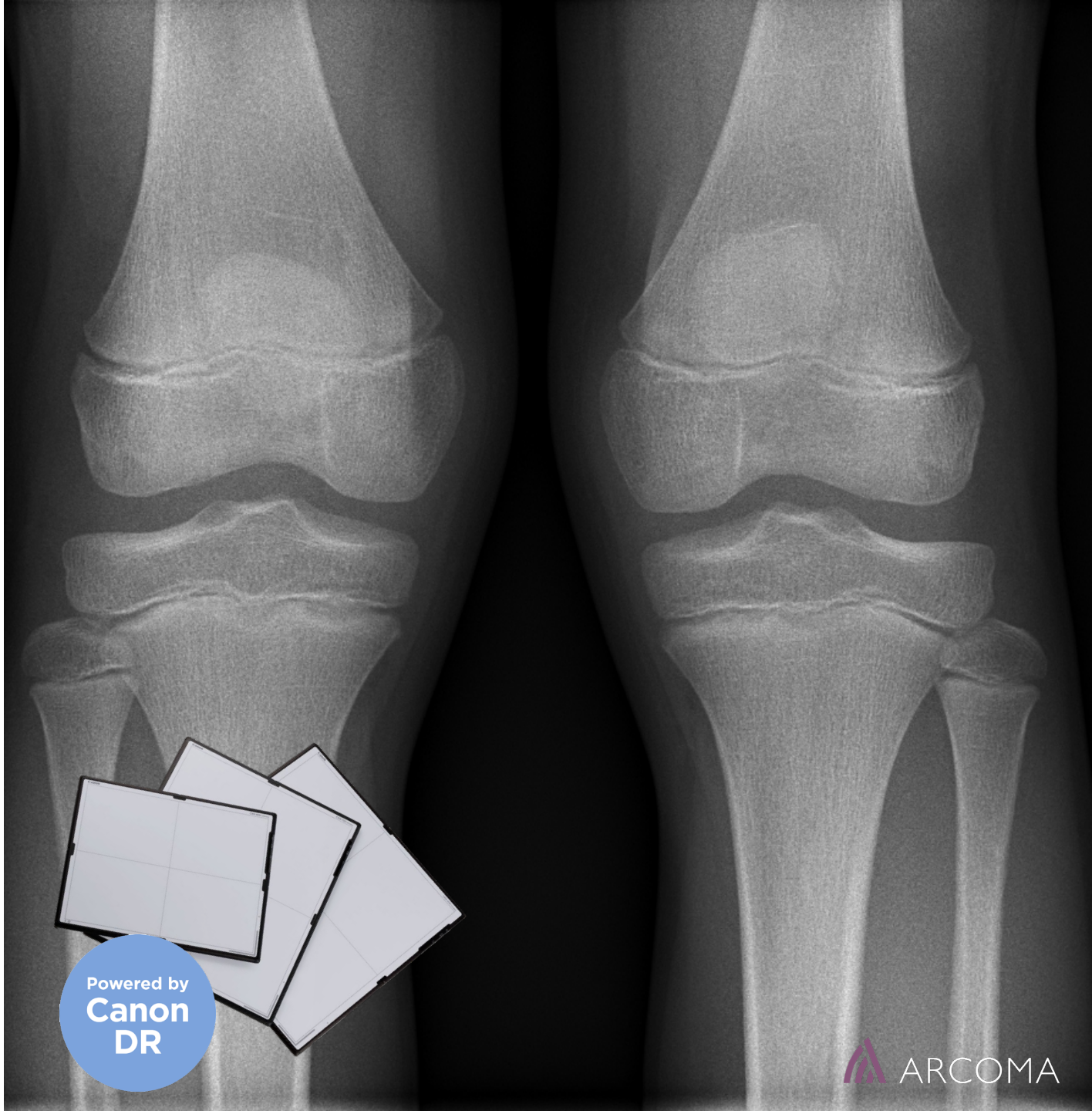
EXCELLENT IMAGING RESULT

Arcoma Precision i5 is powered by Canon's next generation wireless CXDI detectors and imaging software.

Canon´s CXDI-NE software provides a GUI* that is always right for you. Comprehensive image processing, including software simulated grid, guarantees optimal image quality and minimal dose.



** GUI = graphical user interface*

FLEXIBLE DETECTOR CONFIGURATIONS

The ultra lightweight, waterproof detectors (IP 57) with integrated battery and image storage can be used on board or stand-alone.

Up to 4 detectors can be used with Precision i5 to provide optimal positioning and imaging flexibility. The detectors can also be:

- shared between x-ray rooms
- used for mobile X-ray solutions
- used in the holder or wireless

The table and wall stand can be equipped with charging so that detectors are always ready to use.

SUPERIOR ERGONOMICS

Patient centric care is Arcoma´s approach to everything we design. Our focus is to provide an environment that minimizes stress on staff and maximizes comfort for the patient.

Arcoma Precision i5´s motorized and automatic movements, together with the lightweight OTC and flexible table design, make it an ideal ergonomic solution for both patient and operator.

- Motorized movements, smooth and silent
- Lightweight OTC, easy fine-tuning
- Motorized table, ergonomic working height
- Intuitive user interface

TECHNICAL SPECIFICATIONS

OTC

- Rotation range ceiling (beta): >340°
- Rotation range tube arm (alpha): >±135°
- Column (Z stroke): 1750 mm
- Longitudinal movement (X stroke:) 3190 mm (X-rail 4 000 mm)
- Transverse movement (Y stroke): 4160 mm (Y-rail 5 000 mm)

WALL STAND

- Low central beam height: 27 cm
- Motorized wall stand tilt (-20° - +90°)
- Vertical stroke: ~1582 mm (1897 mm with tilted detector)

TABLE

- Patient load: 300 kg (660 lbs)
- Motorized vertical travel: 555 - 930 mm (22” - 36”)
- Longitudinal travel: ± 600 mm (± 23”)
- Lateral travel: ± 150 mm (± 6”)

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THE WALL STAND

- A DEEPER LOOK

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WALL STAND WITH MOTORIZED TILT

OPTIMIZED WORKFLOW

Motorized movements enables efficient examinations

ERGONOMIC DESIGN

Motorized tiltable wall stand allows minimal manual handling.

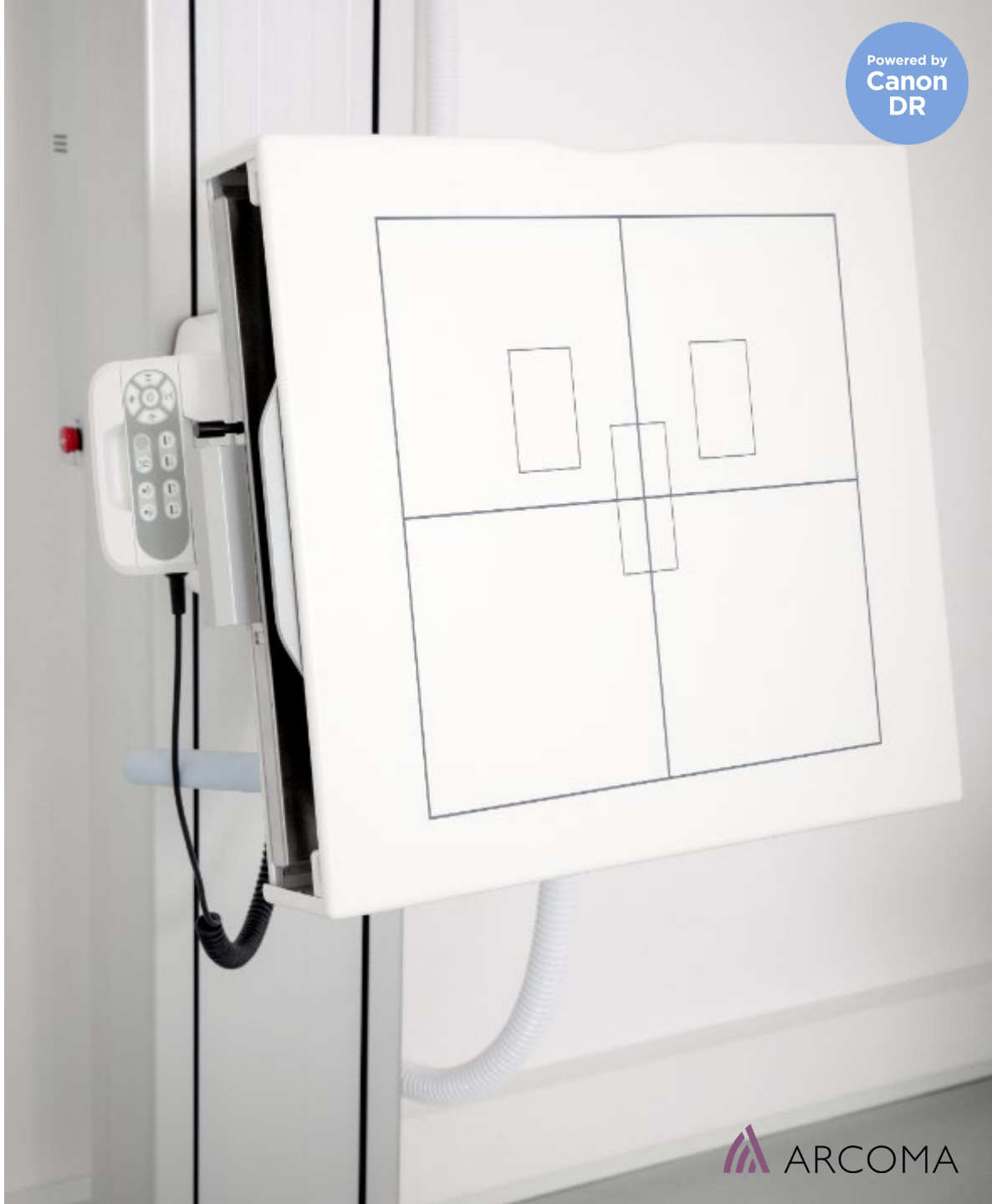
FULL FOCUS ON THE PATIENT

Easy adjustment and motorized tilt enables increased focus on the patient.

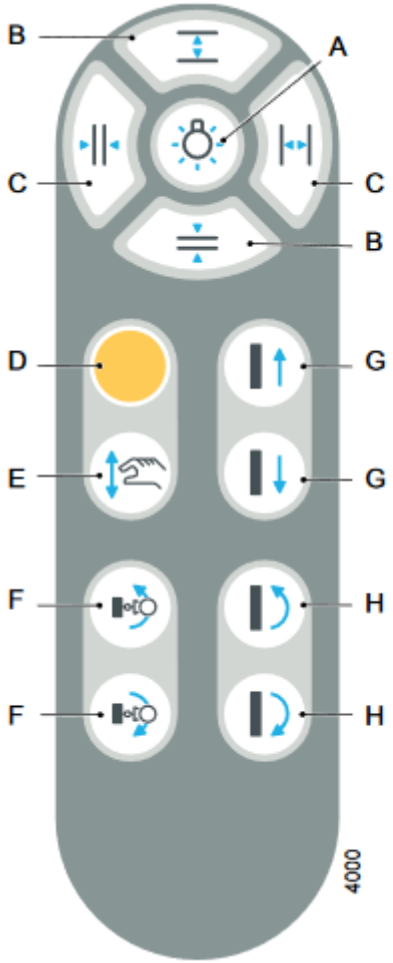
WALL STAND - FEATURES

FEATURES

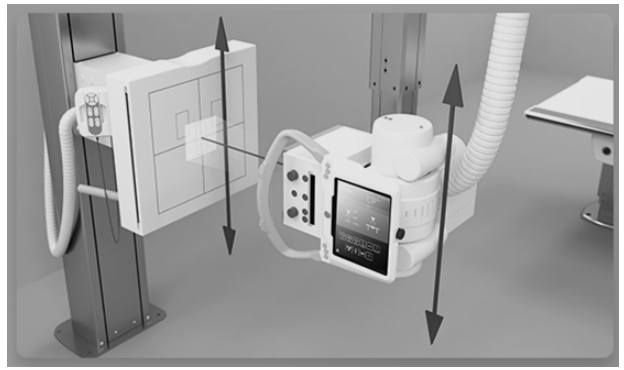
- Motorized tilt of the detector
- Motorized and manual vertical movements
- Auto tracking (vertical, tilting and pendulum mode)
- Hand control for operating wall stand, collimator and auto positioning
- Wireless foot controls
- Removable lateral arm rest with parking position and adjustable angle
- Extended range of vertical movement (Highest and lowest detector position on the market)

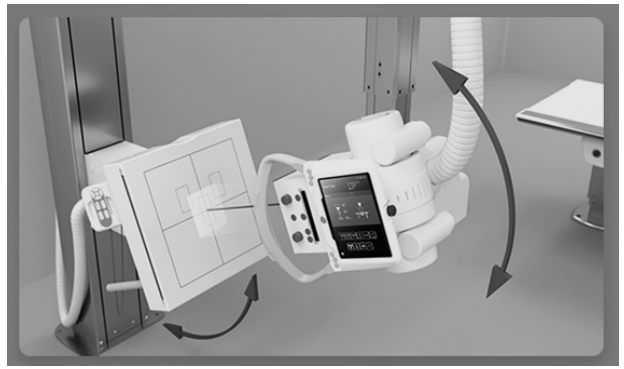


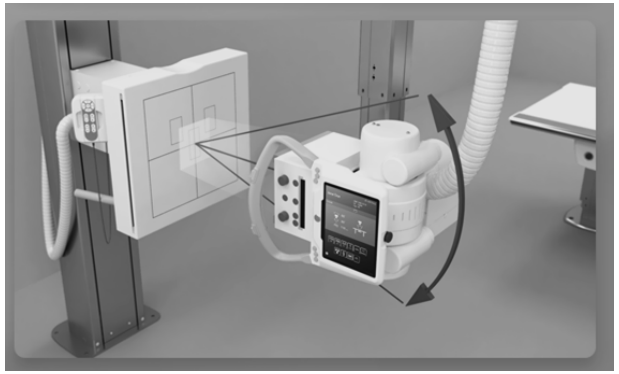
OPERATING THE WALL STAND



A. Collimator light on/off
B. Adjustment height collimation
C. Adjustment width collimation
D. Servo button
E. Break release for manual movement of detector
F. Pendulum mode wall stand
G. Detector up/down, Motorized
H. Detector tilt and OTC tracking, -20 to 90°







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THE OVERHEAD TUBE CRANE

- A DEEPER LOOK

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MODERN AND EASY TO USE OTC

EXCELLENT DESIGN

Modern Scandinavian design that blends in nicely into any hospital environment.

EASY DISINFECTION

Easy cleaning and disinfection thanks to glass overlay display with no edges.

SMART AND EASY TO USE

Good viewing angle of display and few buttons makes the OTC user-friendly and easy to understand.

OTC - FEATURES

FEATURES
• One of the lightest OTC on the market • Modern user interface • All functions and data in one single workspot • Easy to access buttons • Integrated light indication • All directions movement • Adapted for left- and righthanded • Flexible user interface

OPERATING THE OTC

FULL INTEGRATION
- Patient information
- Exposure parameters
- Collimator parameters

Light indication

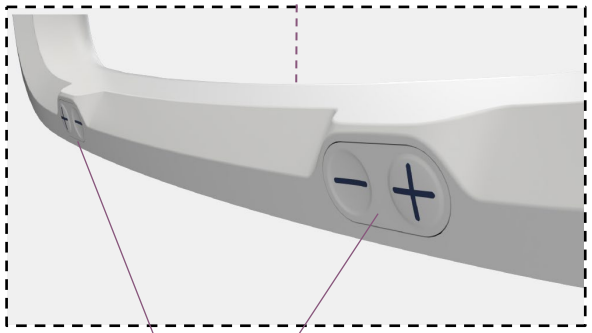
Release all directions (backside)

Up / down

Release all directions (backside)

Release in one direction

Release in all directions
- easy movements



Up / down easy accessible for both left- and righthanded

Easy to reach knobs for manual collimator adjustments.

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THE TABLE

- A DEEPER LOOK

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HIGH CAPACITY EXAMINATION TABLE

SMOOTH MOVEMENT

Easy and smooth to adjust to the preferred position.

CAPACITY FOR LARGER PATIENTS

Large table top with extension possibility. Patient weight capacity up to 300kg/660lbs.

EASY PATIENT ACCESS

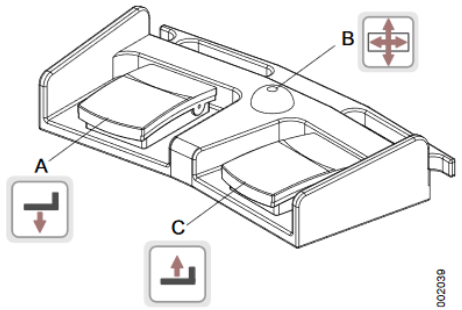
Open table design that optimizes patient access and infection disease control.

TABLE - FEATURES

FEATURES
• Power supplies without fans in table • Wired and Wireless foot controls (options) • Weight capacity of 300 kg/660 lbs (dynamic) • Large table top with long table stroke • X-ray from skull to toe without moving the patient • OTC automatic tracking table detector • Low position for easy access

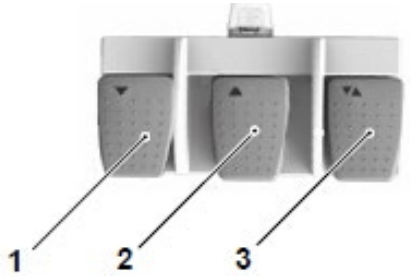
OPERATING THE TABLE

Wired foot control



A. Z movement down
B. Unlock table top brakes (X/Y)
C. Z movement up

Wireless foot control



1. Z movement down
2. Z movement up
3. Release pedal:

Unlocks wallstand detector brake. Manual movement is possible.

Unlocks table top. Manual movement is possible, table top is floating.

Table hand grip rail

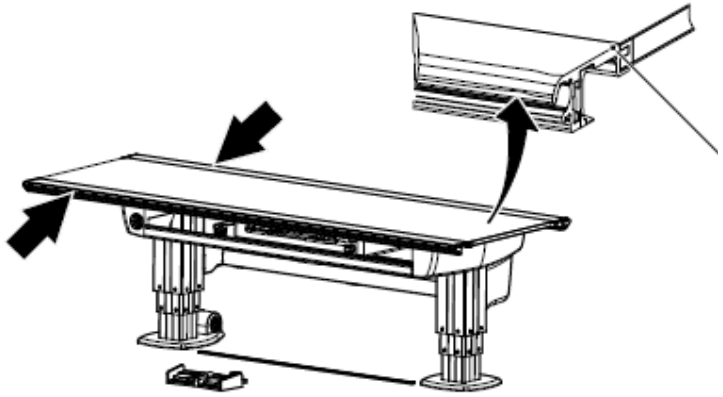
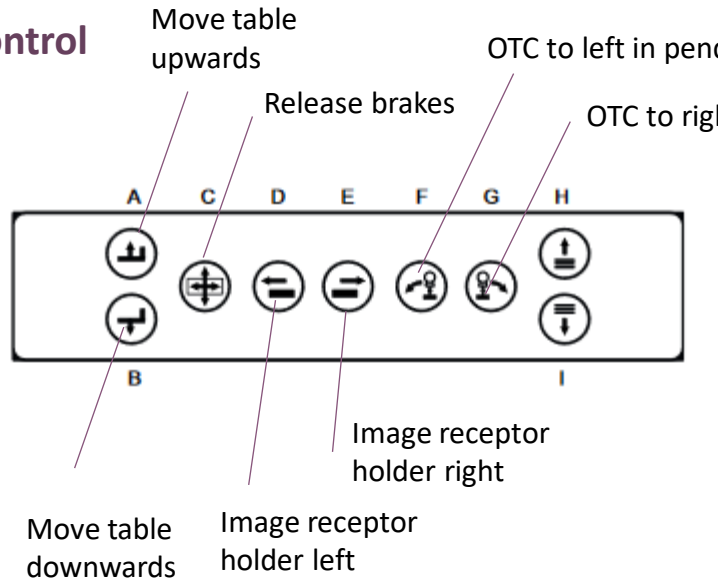


Table hand control



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THE DETECTORS

- A DEEPER LOOK

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CANON DETECTORS

Arcoma Precision is powered by detectors from Canon.

With more than 100 years of experience within medical imaging Canon delivers the most advanced detector solutions on the market.

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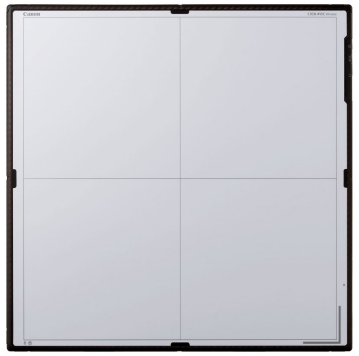
THE DETECTORS

Powered by Canon DR



CXDI-410C W

- Wireless
- 2,8 kg
- Size: 42,6 x 41,5 cm
- Effective image area: 426x 415mm
- Image matrix size: 3320 x 3408 mm

CXDI-710C W

- Wireless
- 2,3 kg
- Size: 35.0x42.6 cm
- Effective image area: 350 x 426 mm
- Image matrix size: 2800 x 3408pixels

CXDI-810C W

- Wireless
- 1,8 kg
- Size: 35.0x27.4 cm
- Effective image area: 350 x 274 mm
- Image matrix size: 2800 x 2192 mm

CXDI-401C Compact

- Fixed
- Size: Approx. 46.0 (W) x 49.0 (H) x 15 (D) cm
- Effective image area: 415x426 mm
- Image matrix size: 3320x 3408 pixels

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DETECTOR BENEFITS

NONSTOP USE WITH DURABLE DESIGN

Strong and durable design as well as IPX7 waterproof ensures nonstop use.

LIGHTWEIGHT AND ERGONOMIC

Ultralight easy to use detectors supports increased workflow and ergonomic for the user.

PERFECT IMAGE QUALITY

High resolution, high sensitivity and high signal to noise performance ensures perfect image quality without increasing dose.

Powered by Canon DR

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DETECTOR - FEATURES

FEATURES
• Load capacity of 310 kg • Waterproof - IPX7 compliant • On-board image storage – up to 99 images • Multi-function docking station • Super-lightweight design – the lightest 1,8 kg • Handgrips for easy transfer • Colour coding • Preview image time: 1 seconds • Cycle time: 7 seconds

DETECTOR INTEGRATION WITH FULL FLEXIBILITY

The wall stand and the table can hold either the CXI-710C W, CXDI-401C W or the CXDI-401C Compact.

Wireless image transfer for the CXDI-710C W and CXDI-410C W.

Automatic charging of battery when the detectors are placed in the detector holders.

Free:
CXDI-810C W

CXDI-710C W

CXDI-410C W

CXDI-410C Compact

Detector	Wall stand	Table	Free	Details:
CXDI-410C	yes • Status indicator • Charging in holder	yes • Status indicator • Charging in holder	Yes	Wireless 42,6 x 1,5 cm 2,8 kg
CXDI-710C	yes • Status indicator • Charging in holder	yes • Status indicator • Charging in holder	Yes	Wireless 35,0 x 42,6 cm 2,3 kg
CXDI-810C	Not applicable	Not applicable	yes	Wireless 35,0 x 27,4 cm 1,8 kg
CXDI-401C Compact	yes	yes	Not applicable	Fix 46 x 49 cm
Other options:	Left/Right hand loading of grid & Wireless detector	Not applicable	Not applicable	

THE ACCESSORIES

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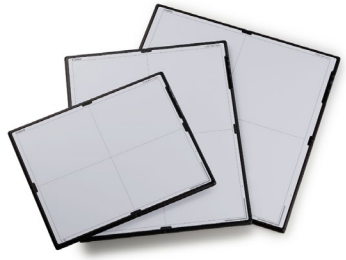
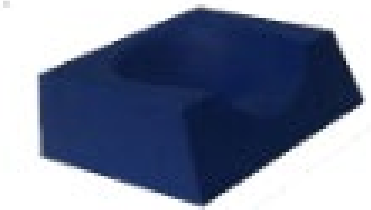
ACCESSORIES

Full range of accessories avaliable. Examples below:

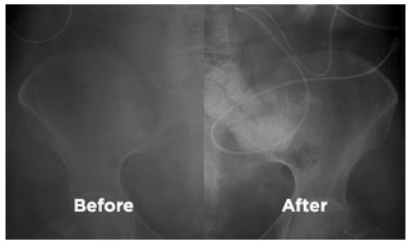
See all at our website: **www.arcoma.se**



Detectors



Form pads



Scatter correction software

Detector holders

Mattresses

Foot controls

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THANK YOU

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