



WORLD CLASS DIGITAL X-RAY SYSTEMS

ARCOMA PRECISION i5 – PRODUCT PRESENTATION

CONTENT

Arcoma Precision i5

- The Arcoma precision i5
- The wall stand
- The OTC
- The table
- The detectors
- The accessories



ARCOMA PRECISION i5

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.



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The image shows a modern medical X-ray room. A large, white, C-arm X-ray system is suspended from the ceiling. The C-arm has a monitor and control panel. Below it is a patient table with a blue cushion. The room has white walls and a light floor. Several dark blue circles with white text are overlaid on the image, highlighting features of the system.

Low dose

Flexible
detector
configurations

Safe
investment

Excellent
imaging
result

Superior
workflow

ARCOMA PRECISION i5

PREMIUM DIGITAL X-RAY SYSTEM

Superior
ergonomics

SUPERIOR WORKFLOW

EASY-TO-USE INTERFACE

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

MOTORIZED & MANUAL WALL STAND

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

AUTOMATIC DETECTOR TRACKING

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

AUTO POSITIONING

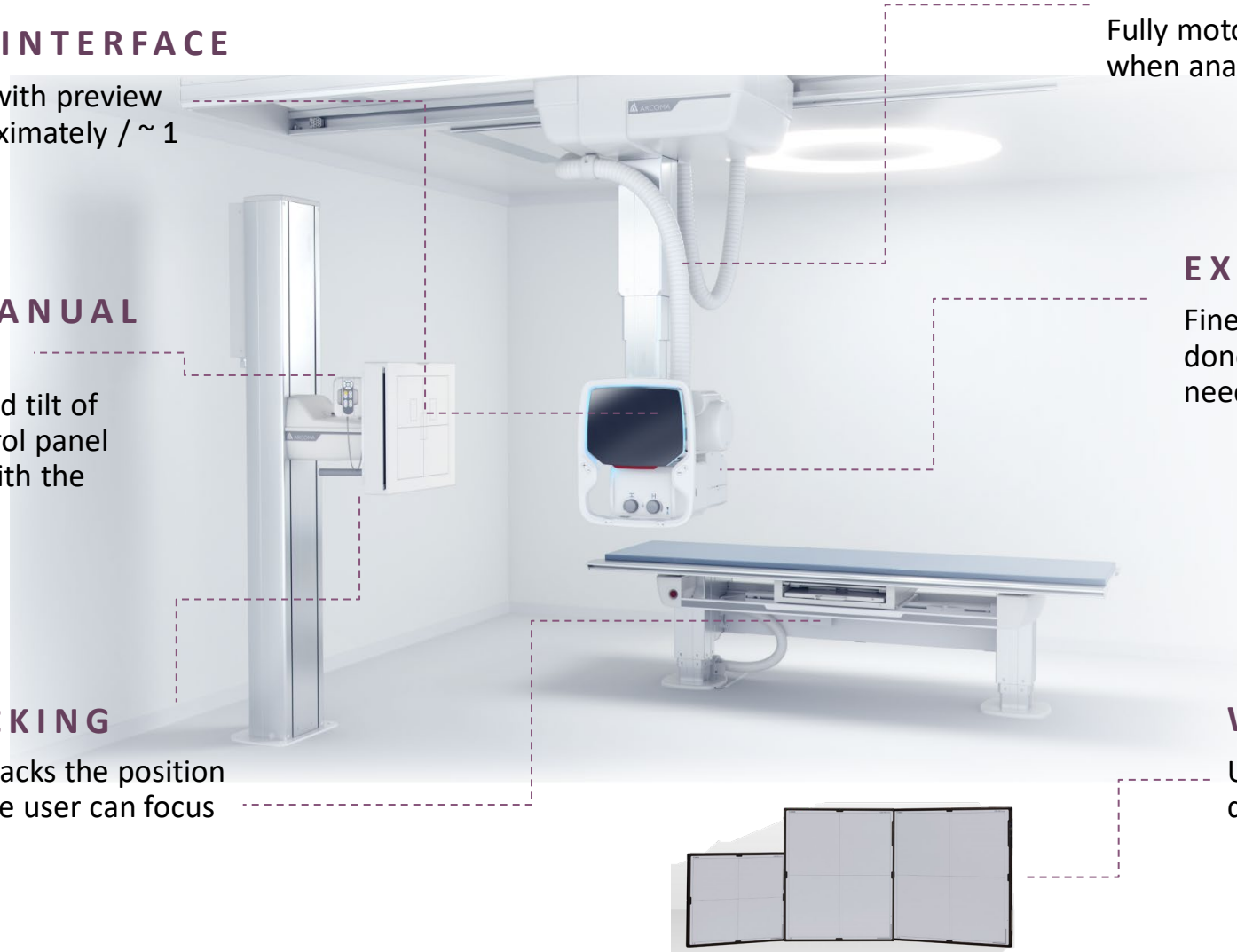
Fully motorized auto-positioning when anatomical protocol selected.

EXCELLENT FINE-TUNING

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

WIRELESS DETECTORS

Ultralight, flexible and wireless detectors.



*1) Depending on acquisition mode

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)



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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

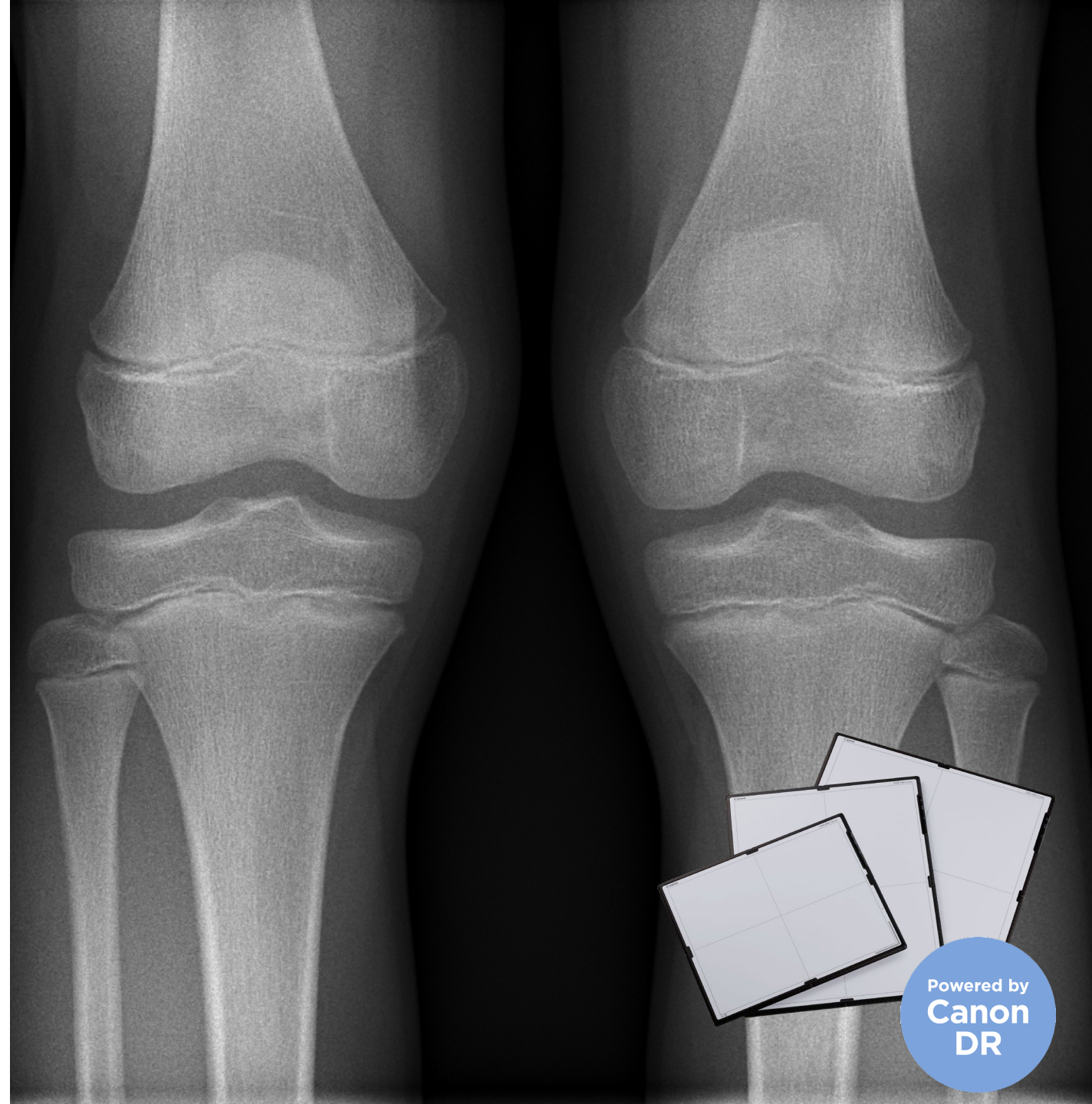
EXCELLENT IMAGING RESULT

Arcoma Precision i5 enables easy and quick positioning thanks to auto positioning, automatic detector tracking and motorized wall stand.

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



SYSTEM TECHNICAL SPECIFICATIONS IN BRIEF

OTC

- Rotation range ceiling (beta): $>340^{\circ}$
- Rotation range tube arm (alpha): $>\pm 135^{\circ}$
- 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° - $+90^{\circ}$)
- 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 ")



THE WALL STAND

- A DEEPER LOOK

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.

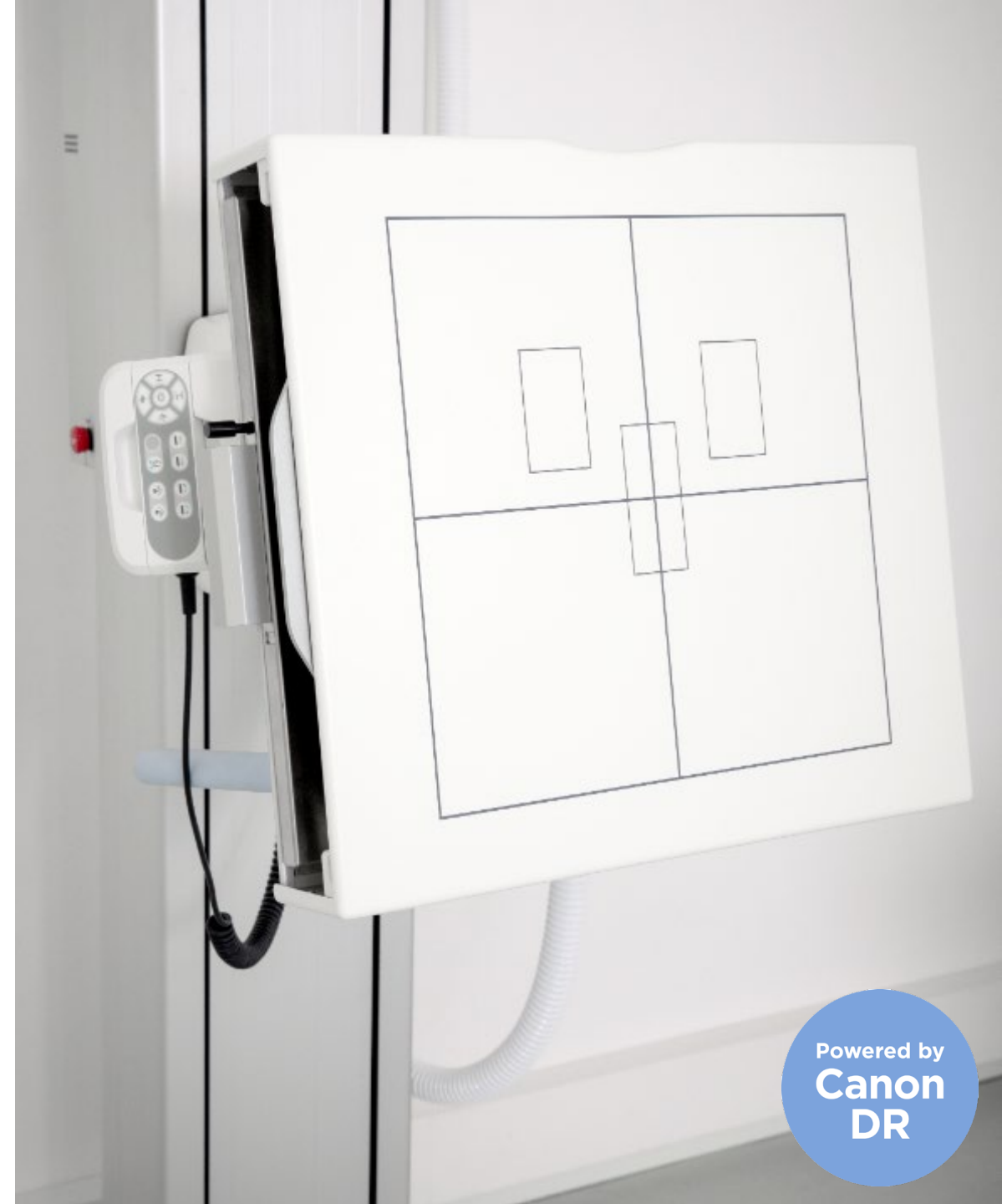


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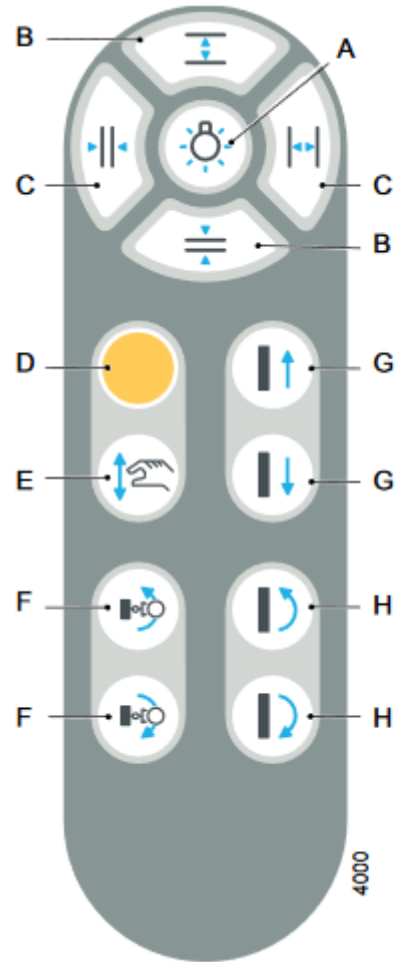
WALL STAND - FEATURES

FEATURES

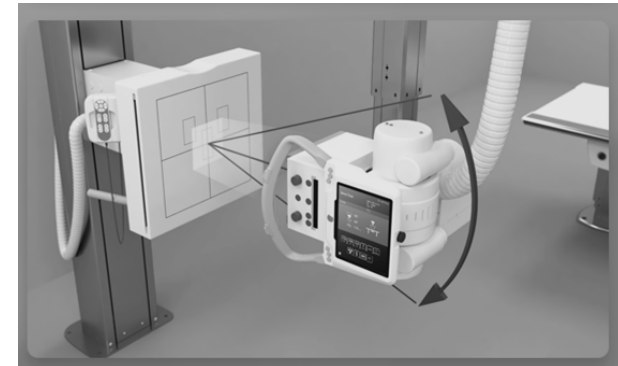
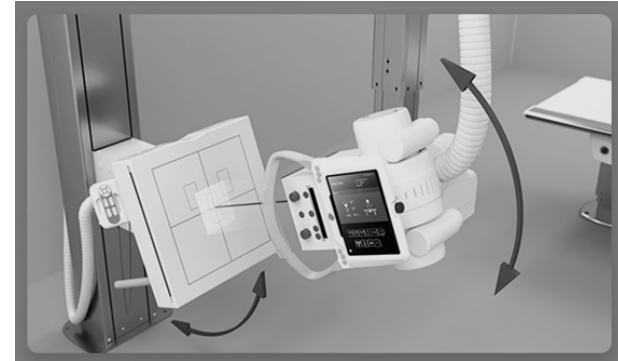
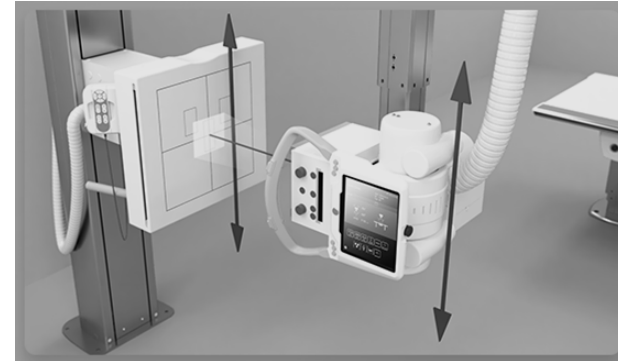
- Motorized tilt of the detector
- Motorized and manual vertical movements
- Auto tracking (vertical, tilting and pendulum mode)
- Hand control for operating wall stand, collimator and auto positioning
- Wireless foot controls
- Removable lateral arm rest with parking position and adjustable angle
-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





THE OVERHEAD TUBE CRANE

- A DEEPER LOOK

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.



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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

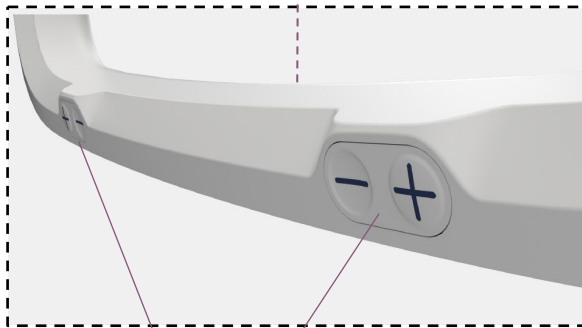
Release all directions
(backside)

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.





THE TABLE

- A DEEPER LOOK

HIGH CAPACITY EXAMINATION TABLE

SMOOTH AND SILENT

Silent and smooth movements thanks to silent brakes and power supplies without fans.

CAPACITY FOR LARGER PATIENTS

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

OPTIMIZED DISINFECTION

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



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TABLE - FEATURES

FEATURES

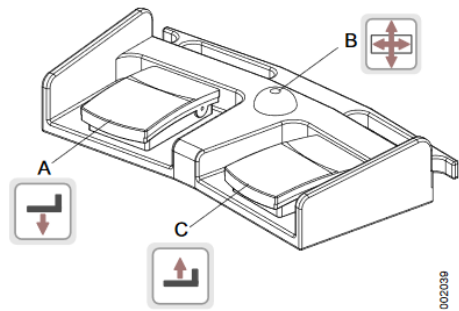
- Power supplies without fans in table
- Silent brake release of table top
- Brakes not temperature and humidity sensitive
- Wired and Wireless foot controls (options)
- Weight capacity of 300 kg/660 lbs (dynamic)
- Large table top with long table stroke
- X-ray from skull to toe without moving the patient
- OTC automatic tracking table detector
- Low position for easy access



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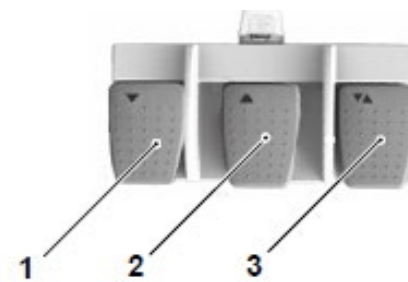
OPERATING THE TABLE

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

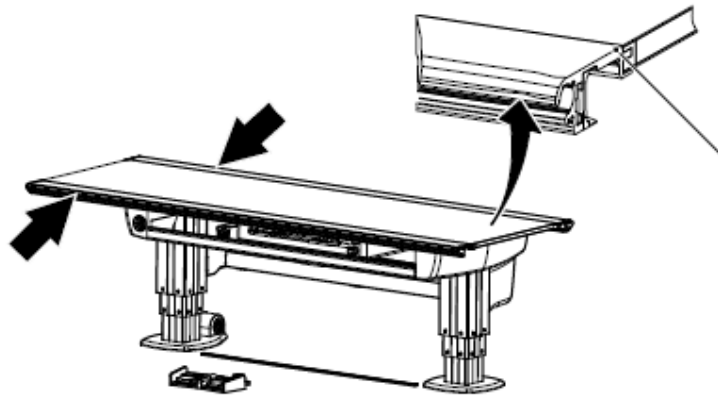
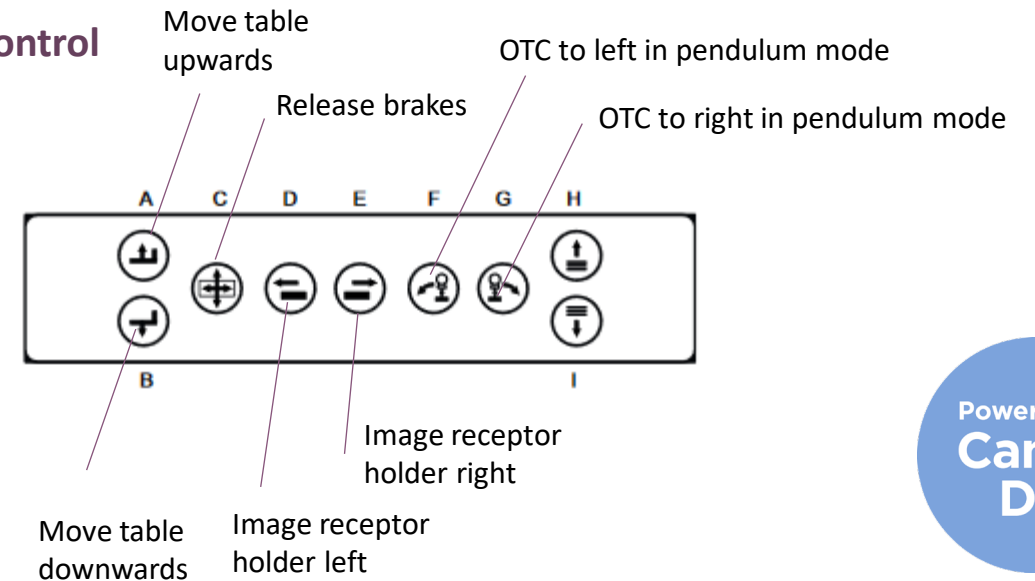


Table hand control





THE DETECTORS

- A DEEPER LOOK

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



CXDI-410C W



CXDI-710C W



CXDI-810C W



CXDI-401C Compact

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

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

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

- 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

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.



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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

IPX7 compliant
(can be fully immersed in water)



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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.



Detector	Wall stand	Table	Free	Details:
CXDI-410C	yes	yes	Yes	Wireless 42,6 x 1,5 cm 2,8 kg
	<ul style="list-style-type: none"> Status indicator Charging in holder 	<ul style="list-style-type: none"> Status indicator Charging in holder 		
CXDI-710C	yes	yes	Yes	Wireless 35,0 x 42,6 cm 2,3 kg
	<ul style="list-style-type: none"> Status indicator Charging in holder 	<ul style="list-style-type: none"> Status indicator Charging in holder 		
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	

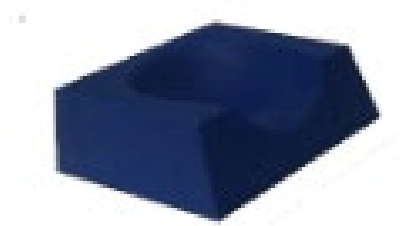


THE ACCESSORIES

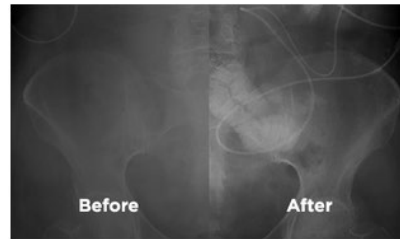
- A DEEPER LOOK

ACCESSORIES

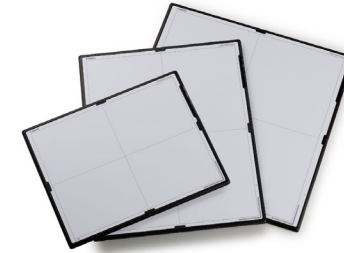
Full range of accessories available. Examples below:



Form pads



Scatter correction software



Detectors



Detector holders



Mattresses



Foot controls

THANK YOU

Arcoma AB | Annavägen 1 | 352 46 Växjö | Sweden



PHONE

+46 470 70 69 00



EMAIL

service@arcoma.se



WEBSITE

www.arcoma.se