ARCOMA

WORLD CLASS DIGITAL X-RAY SYSTEMS

PRODUCT PRESENTATION
Arcoma Intuition

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Arcoma Intuition

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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.

Reduce healthcare costs

Improve work environment

Improve patient care

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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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INTUITION

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ARCOMA INTUITION

VERSATILE DIGITAL RADIOGRAPHY SYSTEM

Arcoma Intuition is a versatile digital radiography system that combines outstanding image quality with clinical flexibility and high productivity for a wide range of radiographic applications.

The cost-effective, modular concept allows you to configure the system to precisely fit your room and clinical requirements.

Note: the system is equipped with options and accessories

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Smart investment

Low dose

Excellent imaging results

Shared detector configurations

Easy workflow

ARCOMA INTUITION

VERSATILE DIGITAL RADIOGRAPHY SYSTEM

Ergonomic design

Note: the system is equipped with options and accessories

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EASY WORKFLOW

EASY TO USE INTERFACE

User interface with easy access to important information for quick adaptations/changes.

EXCELLENT FINE-TUNING

Fine-tuning is done manually, with minimal force needed.

WIRELESS DETECTORS

Ultralight, flexible and wireless detectors.

AUTOMATIC DETECTOR TRACKING

Automatically follows the movement of the tube and detector with high precision.

Note: the system is equipped with options and accessories

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SMART INVESTMENT

Intuition provides a cost-effective solution for a wide variety of clinical needs.

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 life-span

Low lifetime cost

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LOW DOSE

Arcoma Intuition 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%**.

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

➢ CANON DETECTORS WITH HIGH DQE

➢ SOFTWARE SIMULATED GRID*

➢ AUTOMATIC EXPOSURE CONTROL

Scatter correction software (opition)

Components that contributes to low dose

Arcoma continuously works to create a lower radiation dose in our solutions. The following components in the Arcoma Precision system contributes 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 softwar) for bedside examinations, rather then 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.
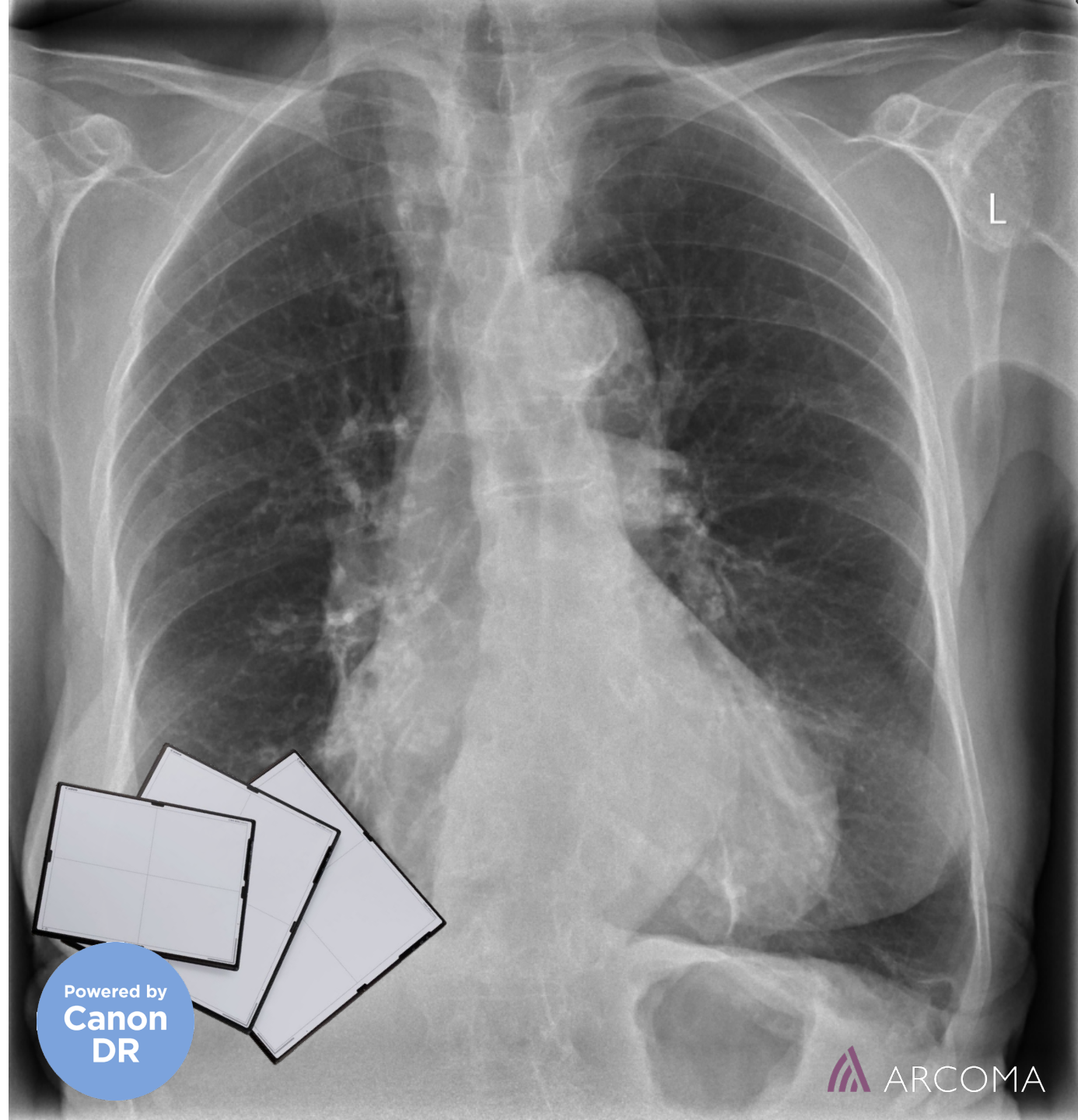
PREDEFINED PROTOCOLS

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

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EXCELLENT IMAGING RESULT

Precision 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

SHARED 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 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

Note: the system is equipped with options and accessories

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ERGONOMIC DESIGN

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 Intuition´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

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TECHNICAL SPECIFICATIONS

OTC

- Rotation range ceiling (beta): -180° (±5°) ~ +163° (±10°)

- Rotation range tube arm (alpha): +180° (±5°) ~ +163° (±10°)

- Column (Z stroke): 1 750 mm, 1 450 mm

- Longitudinal movement (X stroke:) 3190 mm (X-rail 4 000 mm)

TABLE

CLOSED TABLE (displayed in image)

- Patient load: 295 kg

- Lowest table top position (from floor to table top surface): 540 mm (+20 mm / -10 mm)

- Vertical stroke: 310 mm (+40 mm / -20 mm)

OPEN TABLE:

- Patient load: 300 kg

- Lowest table top position (from floor to table top surface): 550 mm

- Vertical stroke: 380 mm

WALL STAND

- Vertical stroke (tilt option): ~1400 mm (+40 mm/ -10 mm)

- Vertical stroke (non-tilt option): 1470 mm (+40 mm/ -10 mm)

- Rotation range of imaigng unit: -20° - +90°

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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.

Powered by
Canon
DR

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THE DETECTORS

CXDI-410C W	CXDI-710C W	CXDI-810C W	CXDI-401C Compact
• Wireless	• Wireless	• Wireless	• Fixed
• 2,8 kg	• 2,3 kg	• 1,8 kg	• Size: Approx. 46.0 (W) x 49.0 (H) x 15 (D) cm
• Size: 42,6 x 41,5 cm	• Size: 35.0x42.6 cm	• Size: 35.0x27.4 cm	• Effective image area: 415x426 mm
• Effective image area: 426x 415mm	• Effective image area: 350 x 426 mm	• Effective image area: 350 x 274 mm	• Image matrix size: 3320x 3408 pixels
• Image matrix size: 3320 x 3408 mm	• Image matrix size: 2800 x 3408pixels	• Image matrix size: 2800 x 2192 mm	

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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.

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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

Powered by Canon DR

IPX7 compliant

(can be fully immersed in water)

BATTERY OPEN

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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.
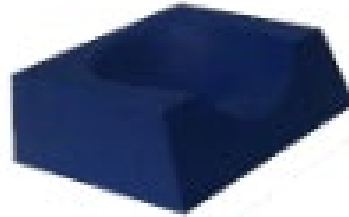
Free:
CXDI-810C W

CXDI-710C W

CXDI-410C W

CXDI-410C Compact

Detector	Wall stand	Table	Free	Details:
CXDI-410C	yes	yes	Yes	Wireless 42,6 x 1,5 cm 2,8 kg
	• Status indicator • Charging in holder	• Status indicator • Charging in holder		
CXDI-710C	yes	yes	Yes	Wireless 35,0 x 42,6 cm 2,3 kg
	• Status indicator • Charging in holder	• 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	

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ACCESSORIES

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ACCESSORIES

We offer a wide range of accessories to fit the needs of our customers. View all at our website: **www.arcoma.se**

THANK YOU

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