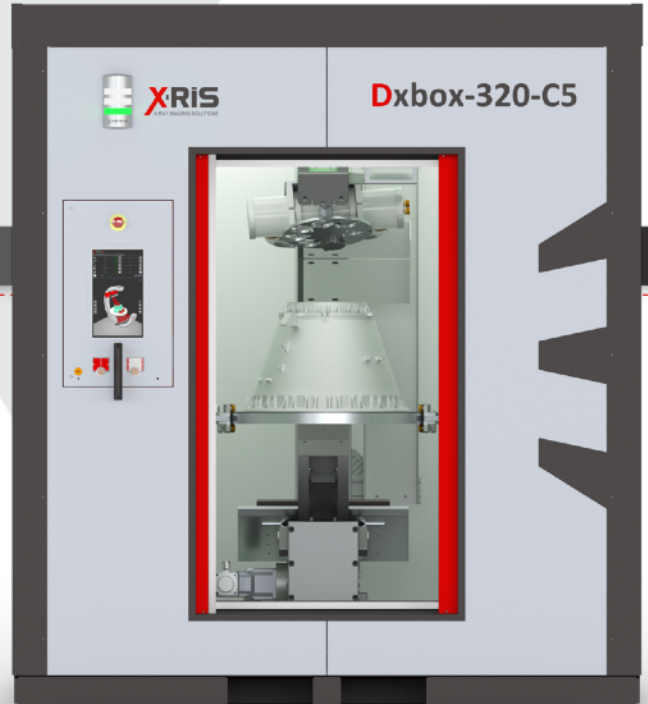
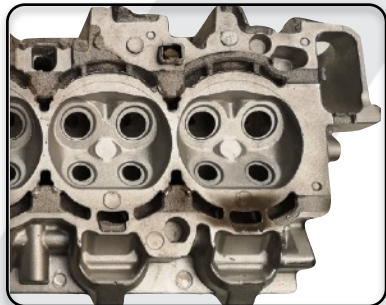
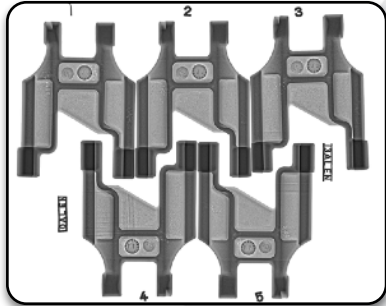


High Efficiency Fully Automated Digital Radiography System for Casting Inspection

APPLICATIONS

- ▶ Stationary system for castings X-ray inspections
- ▶ High speed routine work for quality control of aerospace parts or structures on the 65 cm diameter turn table
- ▶ Castings, weldings, additive manufacturing, ...



KEY FEATURES

Efficiency

Dxbox-C5 is a revolutionary system designed with **radio-transparent turning table** so that X-ray parts can be inspected in any direction, even through the turn table. Handling and positioning the parts manually is no more needed.

Unique

Dxbox-C5 is unique in the world and is particularly important for applications where the complexity of the parts is such that they must be X-rayed **in many different angles** to achieve all requested norms.

User-friendly

An intuitive HMI design offers a live 3D position next to the door. Operator can easily control the axis and visualize and adjust their current position.



Dxbox-C5 SPECIFICATION

X-RAY SOURCES

MODEL	POTENTIAL (kV)	POWER (W)	FOCAL SPOT SIZE (μm)
GXC-320	Up to 320	800 to 1800	0.4* to 1.0
GXC-450	Up to 450	700 to 1200	0.4* to 1.2

*according to EN 12543-2 with 25% threshold



14 T (320 kV) — 20 T (450 kV)



3.47 x 2.22 x 2.48 m

FLAT PANEL DETECTORS

MODEL	ACTIVE AREA (cm)	FRAME RATE (fps)	PIXEL SIZE (μm)
Dereo RAD 4040	40 x 40	1	200
Dereo RAD 4343	43 x 43	6	139



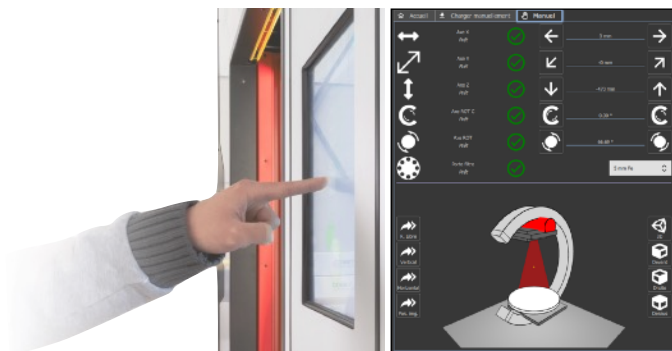
Easy & fast installation



Shippable anywhere

Maestro SOFTWARE

- ▶ All **Maestro** features included
- ▶ Touch screen (load-unload) + manual control
- ▶ 3D Real Time feed-back visualisation
- ▶ Anti-collision software capabilities
- ▶ Full automatic inspection based on the part number



Dxbox-C5 ACCESSORIES & SAFETY DEVICES

- ▶ In compliance with most common standards
- ▶ NFC 15-160
- ▶ Emergency stop
- ▶ 4 cameras
- ▶ Filter revolver to get the best results automatically
- ▶ User-friendly HMI
- ▶ Manipulator available without cabinet

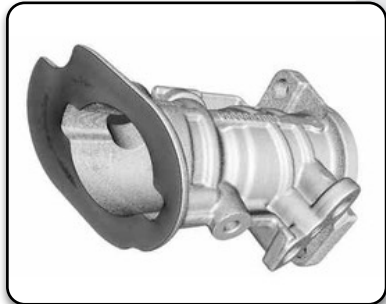


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Real Time Radiography/ Computed Tomography System

APPLICATIONS

- Stationary system for real time and CT inspections
- High speed routine work for quality control of various applications
- Castings, weldings, composite materials, medical equipment, ballistic plates, additive manufacturing, archeological artefacts inspection



Real Time

Dxbox RT has been designed for real-time inspection. It is a high-end and user-friendly X-ray system, which comes with the acknowledged **Maestro** software.



Complex parts

Dxbox RT is particularly important for applications where the complexity of the parts or their requirements in quality are such that they must be X-rayed in many different angles to comply with all requested norms.



Radiography /
Radioscopy

Combine digital radiography and radioscopy with a fantastic sensitivity, excellent signal to noise ratio (SNR) and unbeatable contrast sensitivity better than 1% (EN 462-1). Switch from video to radiography mode during the X-ray shot with automatic and fast averaging.



Upgrade

Thanks to high precision rotative support, **Dxbox RT** can be upgraded with **Maestro CT**.



Dxbox RT/CT SPECIFICATION

X-RAY SOURCES

MODEL	POTENTIAL (kV)	CURRENT (mA)	POWER (W)	FOCAL SPOT SIZE (μm)
μGXC-150	40 to 150	0.01 to 0.5	10	7
			30	20
			75	50
GXC-200	100 to 200	0.2 to 1.5	150	200
	80 to 200	0.2 to 6	500	800
GXC-225	10 to 225	5	500	50
				130
				200



< 1.5 T



180 x 85 x 185 cm

FLAT PANEL DETECTORS

MODEL	ACTIVE AREA (cm)	FRAME RATE* (fps)	PIXEL SIZE (μm)
Dereo RT 1515	15 x 15	34	119
Dereo RT 2323	23 x 23	30	179
Dereo RT 2532	25 x 32	22	124
Dereo RT 3030	30 x 30	14	145
Dereo RT 4343	43 x 43	6	139

*Higher fps rate available thanks to binning.



Easy & fast installation



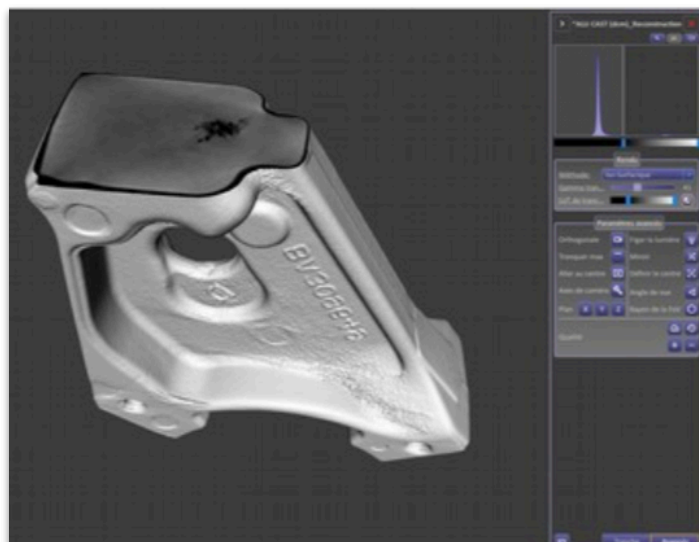
Shippable anywhere

Maestro SOFTWARE

All **Maestro** and **Maestro RT** features included.

Ask for **Maestro CT** module, with :

- Definition of reconstruction parameters
- 3D reconstruction from images acquired during a 360° rotation
- Volume visualisation, display of slices in **Maestro** main HMI
- Post-processing on slices thanks to all filters and features available in **Maestro**. These filters can be applied in real-time, so as to speed up the analysis



Dxbox RT/CT ACCESSORIES & SAFETY DEVICES

- Emergency stop, flashing lamp, safety relay, door switch,...
- Internal camera
- 4 wheels
- 4 lifting eyes
- Workstation
- Other options available upon request
- Up to 225 kV



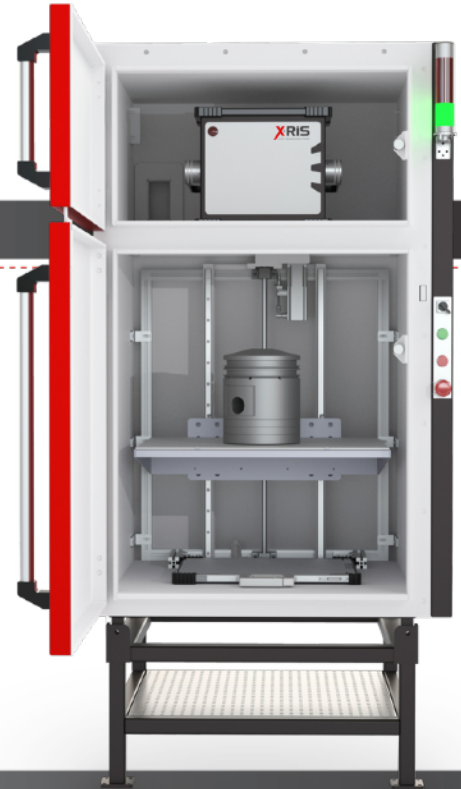
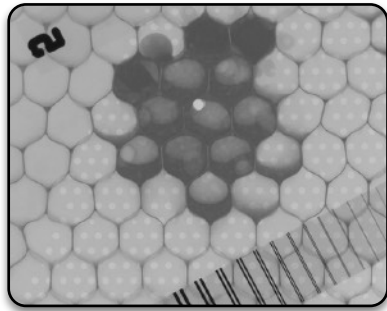
www.xris.eu

Smart NDT **inspection cabinet** for digital X-ray up to 200 kV

APPLICATIONS

Wide range of objects inspection possibilities :

- From a sheet of paper up to 25 mm Fe
- Welding, castings, composites, ... quality control
- Welding NDT training centers
- Laboratories (R&D, universities, museums, forensic centers,...)



KEY FEATURES

Adaptability Fully compatible with a wide range of portable generators and flat panel detectors.

Movable & Flexible Thanks to its wheels, you can position easily wherever you want in your facility / install and uninstall the x-ray set without a hassle.
The dimensions are 150 x 95 x 85 cm and the weight is 700 kg.

Image quality By moving up & down your sample, you can take benefit of the geometrical magnification.

Easy to use Perfect for quick one-shot job as well as for routine work and its magnetic door interlocks allows the user to have a safe and smooth user-experience.

2 in 1 system Portable generator and detector can be installed in the cabinet and removed at any time in order to go on the field.



Dxbox-200 SPECIFICATION

X-RAY SOURCES

MODEL	POTENTIAL (kV)	CURRENT (mA)	POWER (W)	FOCAL SPOT SIZE (μm)
μGemX-150	50 to 150	0.1 to 2	150	200
GemX-150	20 to 150		150	500 * 700
GemX-160	50 to 160	0.1 to 2	160	500 * 700
GemX-200	50 to 200		200	500 * 700
μGXC-150	40 to 150	0.01 to 0.5	10 30 75	7 20 50
GXC-200	100 to 200 80 to 200	0.2 to 1.5 0.2 to 6	150 500	200 800

FLAT PANEL DETECTORS

MODEL	ACTIVE AREA (cm)	PIXEL SIZE (μm)	GREY LEVEL (bit)	WEIGHT (kg)
Dereo UP	25 x 30 36 x 43	100 100	16 16	2.8 4
Dereo RAD	25 x 32 43 x 43	124 139	16 16	Not Portable
Dereo HE	17 x 23 36 x 43	75 140	16 16	2.7 5.9
Dereo PS	24 x 30	68 or 120	16	7.2



700 kg



NFC 15-160



Easy & fast installation



Shippable anywhere

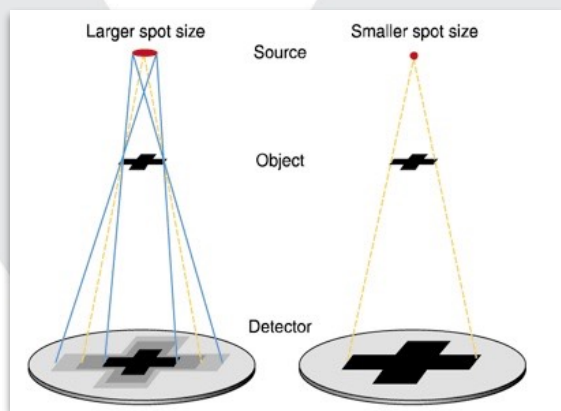


149 x 94.5 x 83.5 cm

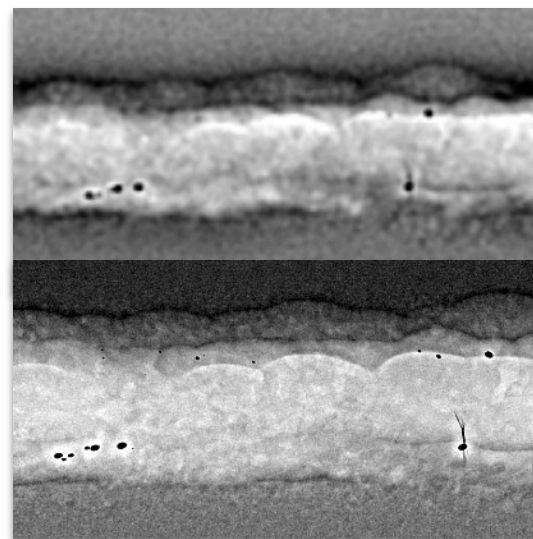
Maestro SOFTWARE & IMAGE QUALITY IMPROVEMENT WITH μGemX

All user-friendly **Maestro** features included.

Equip your **Dxbox-200** with a micro focus generator and improve your image quality thanks to the magnification

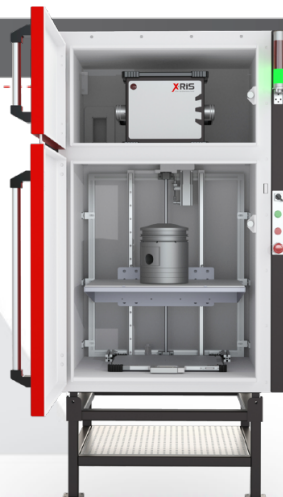


Improvement
thanks to
μGemX
magnification



Dxbox-200 ACCESSORIES

- ▶ Motorized Z axis available to get benefit of the magnification
- ▶ Collimator
- ▶ Other accessories available upon request



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