

High Efficiency Fully Automated Digital Radiography System for Casting Inspection

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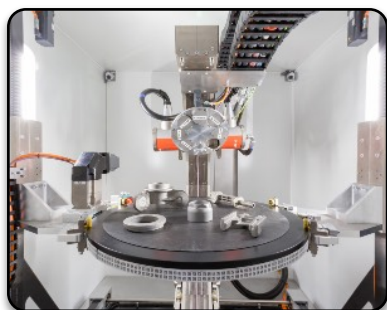
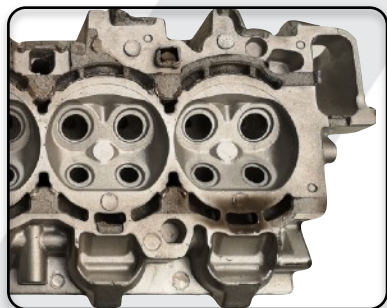
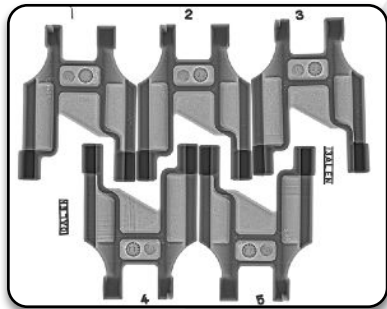
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APPLICATIONS

- ▶ 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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