

High Efficiency Fully Automated System for Casting Inspection

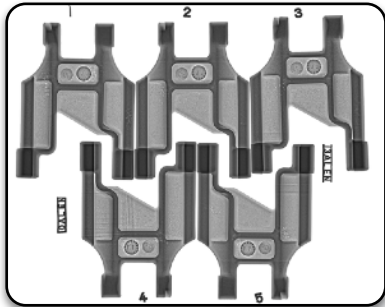
Dxbox-C5



[Website](#)

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

C-arm

This system is equipped with a C-arm manipulator carrying the generator, motorized collimator and flat panel. Capable of handling parts up to **60 cm (24 inches)** in height, it delivers powerful performance for inspecting complex parts with precision.

360° inspection

Dxbox-C5 is an innovative system featuring a radio-transparent turntable with a maximum load capacity of **50 kg (110 lbs)**. It enables X-ray inspection from any direction and even through the turntable itself. Manual handling and positioning of parts are no longer required.

Unique

Dxbox-C5 is one-of-a-kind solution. It is especially valuable for applications where the complexity of parts requires X-ray imaging from multiple angles to meet all required standards.

User-friendly

The HMI display next to the door provides a live 3D view allowing the operator to easily control the axes as well as visualize and adjust their position.

C 1 mm
35Fe mm
ANY
THICKNESS


SMART
&
INNOVATIVE


FULLY
INTEGRATED

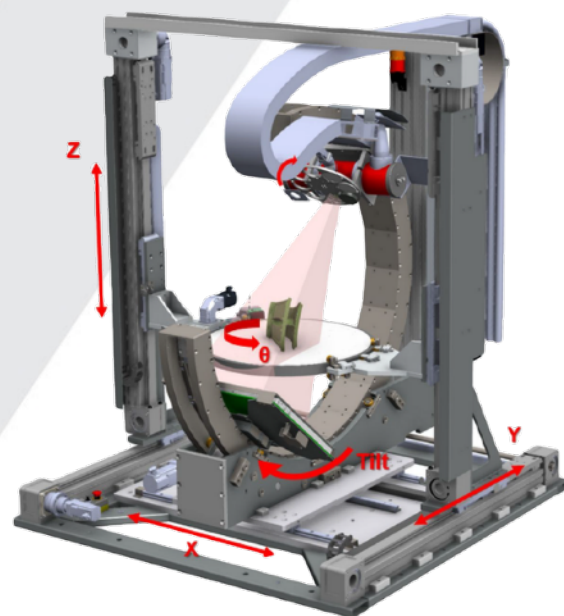

USER-
FRIENDLY


SAFE
&
ERGONOMIC

Dxbox-C5 SPECIFICATIONS*

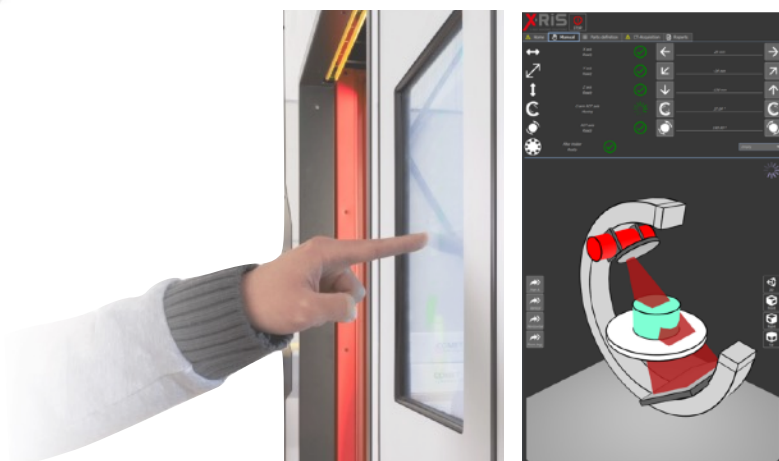
X-ray generator	Up to 450 kV
Flat panel detector	Up to 43 x 43 cm Up to 17 x 17 inches
Detector - Pixel size	100 to 200 μ m
Number of axes	5 axes
Rotative table	\varnothing 65 cm 26 inches
SDD	110 cm 43 inches
Max. part diameter	\varnothing 65 cm 26 inches
Max. part height	60 cm 24 inches
Max. part weight	50 kg 110 lbs
System dimensions	347 x 222 x 248 cm 137 x 87 x 98 inches
System weight	14 tons (320 kV) - 20 tons (450 kV)

*Other configurations available. Contact us for more information.



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.



Dxbox-C5 OPTIONS

- ▶ NFC 15-160.
- ▶ Filter revolver to get the best results automatically.
- ▶ Manipulator available without cabinet.



248 cm - 98 inches

