

High Efficiency Fully Automated System for Casting Inspection

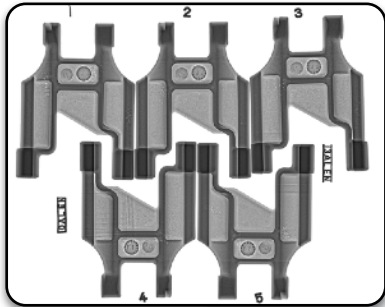
Dxbox-C5



[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.



ANY
THICKNESS



SMART
&
INNOVATIVE



FULLY
INTEGRATED



USER-
FRIENDLY

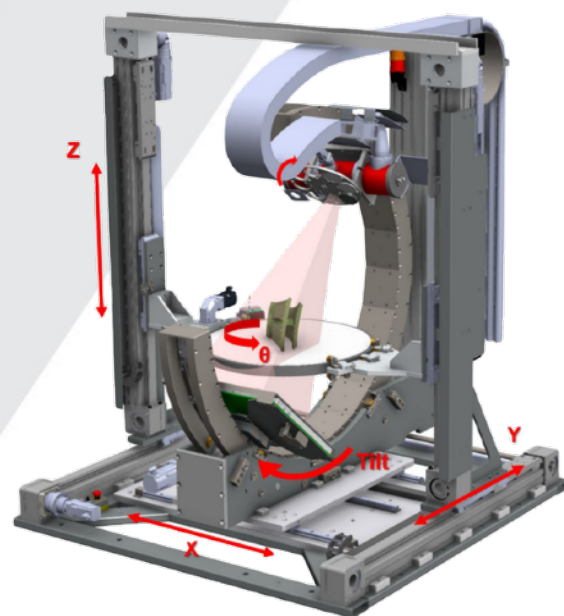


SAFE
&
ERGONOMIC

Dxbox-C5 SPECIFICATIONS*

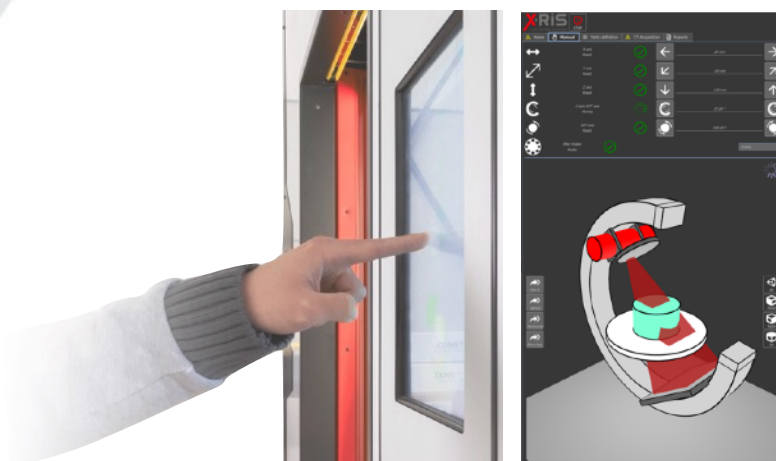
X-ray generator	Up to 450 kV
Flat panel detector	Up to 43 x 43 cm Up to 17 x 17 inches
Detector - Pixel size	100 to 200 μ m
Number of axes	5 axes
Rotative table	$\varnothing$ 65 cm 26 inches
SDD	110 cm 43 inches
Max. part diameter	$\varnothing$ 65 cm 26 inches
Max. part height	60 cm 24 inches
Max. part 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

