

# High Efficiency Fully Automated System for Casting Inspection

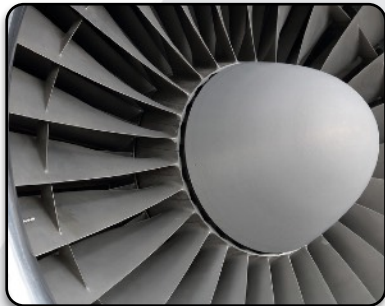
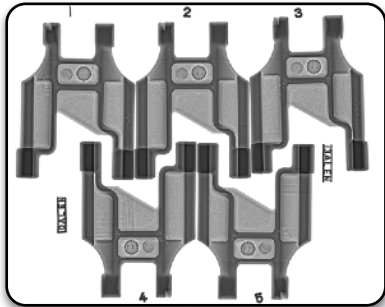
# Dxbox-C5



[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

**360° inspection** **Dxbox-C5** is an innovative system featuring a radio-transparent turntable, allowing X-ray inspection from any direction and 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** An intuitive HMI design provides a live 3D position display next to the door, allowing the operator to easily control the axes, visualize and adjust the current position.

**C** 1 mm  
**35Fe** mm  
**ANY THICKNESS**

**SMART & INNOVATIVE**

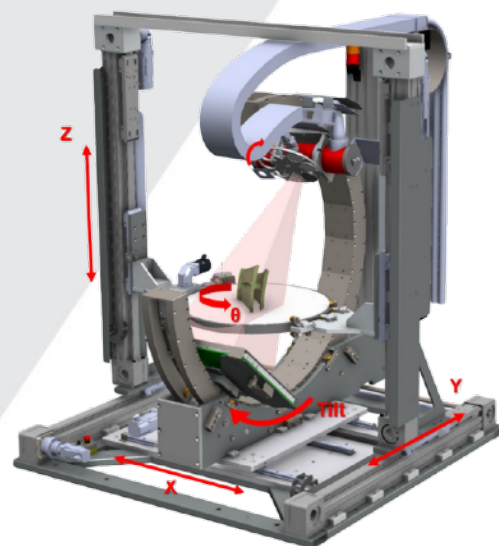
**FULLY INTEGRATED**

**USER-FRIENDLY**

**SAFE & ERGONOMIC**

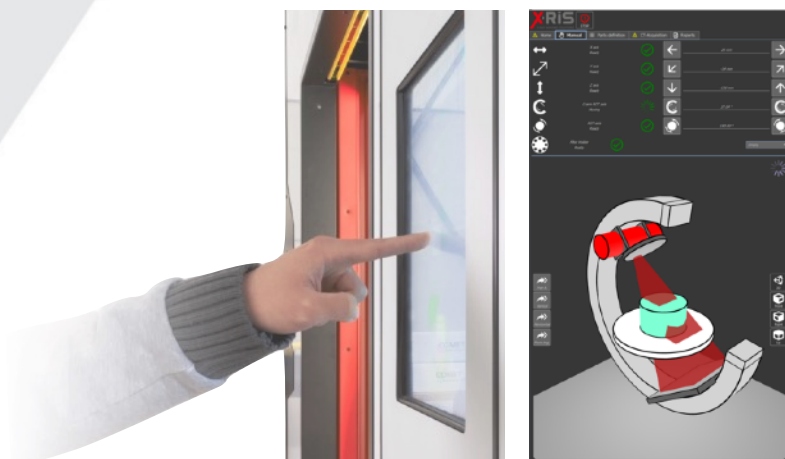
## Dxbox-C5 SPECIFICATIONS

|                       |   |
|-----------------------|---|
| X-ray generator       | Up to 450 kV - Up to 0.4 to 1.2 mm        |
| Flat panel detector   | Up to 43 x 43 cm   Up to 17 x 17 inches   |
| Detector - Pixel size | 100 to 200 $\mu$ 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)        |



## 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

