

# High Efficiency Fully Automated System for Casting Inspection

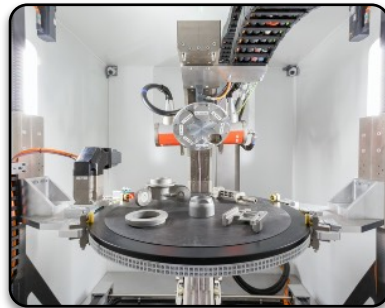
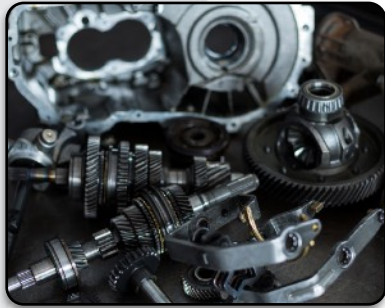
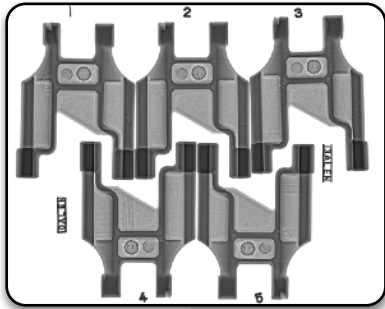
# Dxbox-C5



[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**

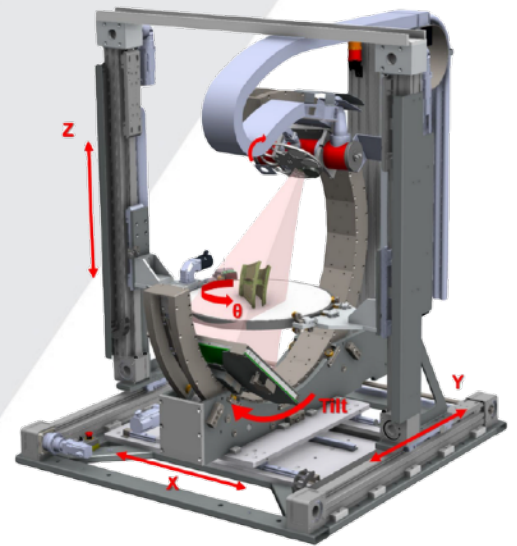
  
**FULLY INTEGRATED**

  
**USER-FRIENDLY**

  
**SAFE & ERGONOMIC**

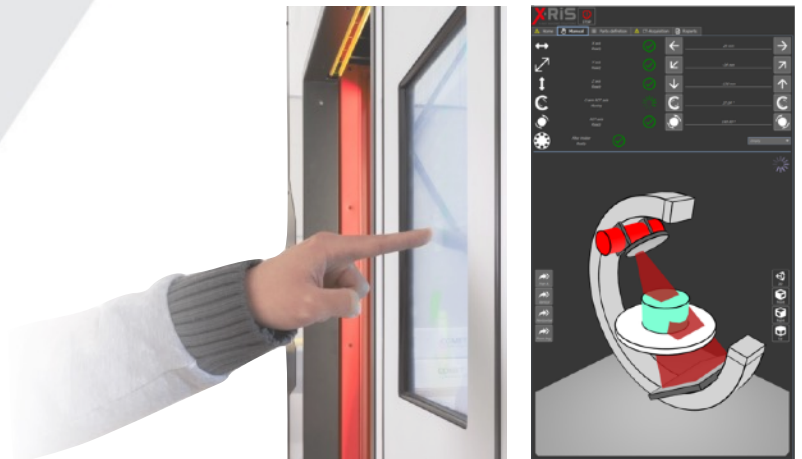
# Dxbox-C5 SPECIFICATIONS

<b>X-ray generator</b>	Up to 450 kV - Up to 0.4 to 1.2 mm
<b>Flat panel detector</b>	Up to 43 x 43 cm   Up to 17 x 17 inches
<b>Detector - Pixel size</b>	50 to 200 $\mu$ m
<b>Number of axes</b>	5 axes
<b>Rotative table</b>	$\varnothing$ 65 cm   26 inches
<b>SDD</b>	110 cm   43 inches
<b>Max. part diameter</b>	$\varnothing$ 65 cm   26 inches
<b>Max. part height</b>	60 cm   24 inches
<b>Max. part weight</b>	50 kg   110 lbs
<b>System dimensions</b>	347 x 222 x 248 cm   137 x 87 x 98 inches
<b>System weight</b>	14 (320 kV) - 20 tons (450 kV)   15 US tons - 22 U.S tons



# 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 OPTIONS

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



248 cm - 98 inches

