

METRIX NDT- A NEW  
FORCE IN X-RAY SYSTEMS

# OSPREY-160

RADIOGRAPHIC INSPECTION CHAMBER



**The Osprey-160 is the ideal system for rapid and detailed NDT/NDE radiographic inspection in any industrial environment.**

Designed for the inspection of castings, complex fabrications and assemblies, the Osprey radiographic inspection system enables customers to gain the benefits of x-ray inspection facilities quickly, simply and safely in an integrated turn-key solution.

The system comes with a comprehensive built in image processing library, an intuitive operator interface and an impressive range of automated and configurable features, which includes a "teach" function that permits fully automated inspection points to be run for batch or in-line inspection, as well as manual control for one off inspection tasks.

### X-ray generator

Working range: 20kV - 160kV  
0.1mA - 3mA  
100% duty cycle

### Detector

Intensifier: 9 inch (other options available)  
Camera: 1MegaPixel (standard)  
Resolution: >24 lp/cm (with 1MPixel camera)

### Sample Handling

Sample Table: Powered 5 axis sample table  
X Axis: 410mm  
Y Axis: 225mm  
Z Axis: 595mm  
Rotation:  $\pm 360^\circ$   
Tilt:  $\pm 10^\circ$   
Sample weight: 25kg

### Inspection Area Access

Door: Powered access door, 0.54m x 1.44m  
Window: Observation window 170mm x 170mm  
Video: Live video feed from inside chamber

### Physical

Dimensions: 1.98m x 1.68m x 2.07m (W x D x H)  
Weight: 2.2 tonnes (approx)

### Environmental

Operating temp: 5°C to 35°C  
Relative Humidity:  $\leq 75\%$

### Safety

Integral safety interlocks, E-Stops (external and internal to chamber) external tri-coloured warning lights. Complete system conforms to IRR99.

## UNDERSTANDING YOUR NEEDS

With over 20 years experience in the x-ray and industrial inspection sectors, the team at Metrix NDT works with customers to find the right solution to meet their needs.

**Call us today: +44 (0) 1509 266 701**