



Unicomp UNC160

Primarily used for non-destructive testing (NDT) of metal castings, hardware products, plastic products, refractory materials, resin materials, composite materials, ceramic bodies, welded metal components, and other similar products.

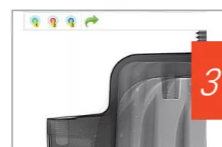
Functions and Feature



1 Widespread Applications:
Large inspection size and loading weight capacity



2 Safety Standard:
High level protection with international standard, multiple safety set up

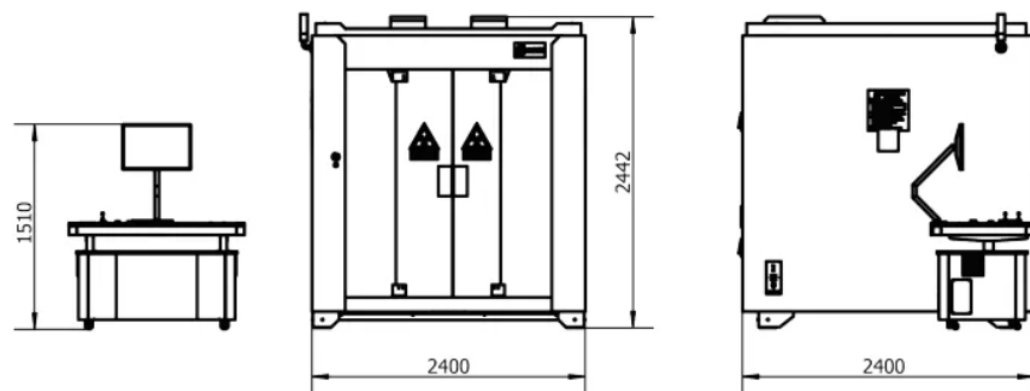


3 Image Processing:
Fastly image acquisition with high quality, user-friendly design



4 Highly Testing Efficiency:
CNC programmable inspection mode can achieve fast speed

Dimensions and Appearance



Inspection Image



Technical Parameters and Specifications

Overall Equipment Status

Dimension	2400*2400*2442mm	Power Supply Voltage	380AC/50Hz
Weight	About 3800kg	Power	6kW
Maximum Penetration Capacity	Class A Imaging Standard: 110mm (Al) / 20mm (Q235 Steel)	Maximum Focal Spot Size	1100mm

X-Ray Tube

X-ray tube type	Sealed Integrated Tube	Focal Spot Size	0.5
Tube Voltage	160kV	Tube Power	480W

X-ray imaging system

Detector	Amorphous Silicon (a-Si)	pixel size	139μm
Effective Imaging Area	427*427[mm]	pixel matrix	3072*3072

Motion Control System

Motion Control Mode	CNC automatic inspection /manual inspection	Maximum Payload Capacity	100KG
Manipulator Arm Swing Angle	±15°	Maximum Inspection Range	φ600*800[mm]
Turntable Rotation Angle	±360°	Motion Speed	≥70mm/s

Software System

Casting ASTM Reference Images	Equipped with ASTM Standard Reference Images for comparison and viewing
Porosity Calculation	Capable of automatic calculation of porosity per unit area.
Diverse measurement tools	Support distance, angle, diameter, polygon geometry measurement
CNC automatic inspection	Support single-point and matrix addition, and quickly generate functions

Others

Door Opening Mechanism	Electric double doors
Radiation Level	<1μSv/h
Operator Console	Mobile Operator Console with Height Adjustment
Access Level Management	The equipment can manage radiation angles with different access levels.

Specifications herein are for reference only and may change with product enhancements. For contractual obligations, refer to your signed agreement.