



A Leader in the Intelligent
X-Ray Inspection Equipment

AX9100

X-Ray Inspection Equipment



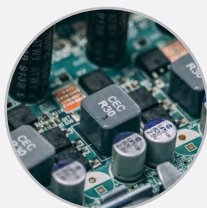
www.global-xray.com
www.unicomp.cn

AX9100

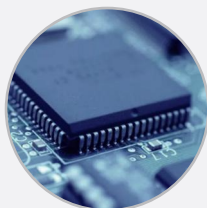


Widely applied for BGA, CSP, Flip Chip, LED, Fuse, Diode, PCB, Semiconductor, Battery Industry, Small Metal Casting, Electronic Connector Module, Cables, Aerospace Components, Photovoltaic Industry, etc.

Application Fields



SMT/PCBA Inspection



Semiconductor Inspection



Lithium Batteries Inspection



LED Inspection



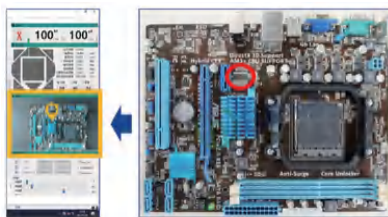
Photovoltaic Inspection

Functions and Features

- 1** Strong penetrating ray source combined with HD FPD to meet universal inspection requirements



- 2** High Definition Navigation Images, Fast And Accurate Product Positioning



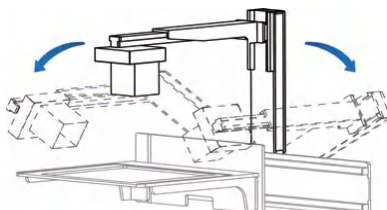
- 3** Six-axis Linkage to Achieve All-round Control And Detection



- 4** High Speed CNC Function For Batch Automatic Inspection



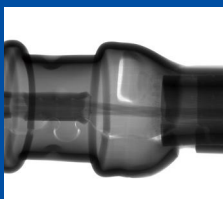
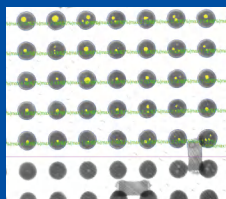
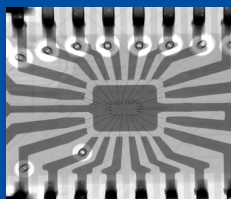
- 5** 2 Sides Tilting



- 6** Adjustable Console



Inspection Images



Technical Parameters and Specifications

System Summary

Footprint	1470(W)×1410(D)×1805(H)mm	Plywood Packing Size	1650(W)×1800(D)×2000(H)mm
Machine Weight	2100 kg	Packing Weight	2300 kg
Power Supply	AC 110~220V, 50/60Hz	Power Consumption	3.5 kW

X-Ray Tube

Tube Type	Sealed	Max. Power	65W
Voltage	0~130kV (Adjustable)	Focus Spot Size	≤7μm

Imaging System

Detector	Flat Panel Detector (FPD)	Pixel Size	84μm
Effective Detection Area	129*129mm	Frame Rates	20fps
Pixel Matrix	1536*1536 (pixel)	System Magnification	1600X

Software

Auto-measuring	BGA Soldering Voids Auto-measuring and Support Data/Graphic Output
Multiple Measuring Tools	Support Measuring Distance, Angle, Diameter, Polygon, PTH filling rate, etc.
CNC Mode	CNC Programmable Inspection, Easy Operation and User Friendly
Real-time Display	Real-time Displaying the Working Data of Voltage, Current, Angle, Date, etc
Navigation	Convenient Target Point Positioning System

Motion Control System

Movement Control	Joystick, Keypad & Mouse
Max. Loading Area/Weight	610*610mm / 10kg
Max. Inspection Area	500*450mm
Oblique Views	Max. ±60° Filting (FPD)
Manipulator	6-axis with X / Y 1 / Y 2 / Z 1 / Z 2 / T (60°)

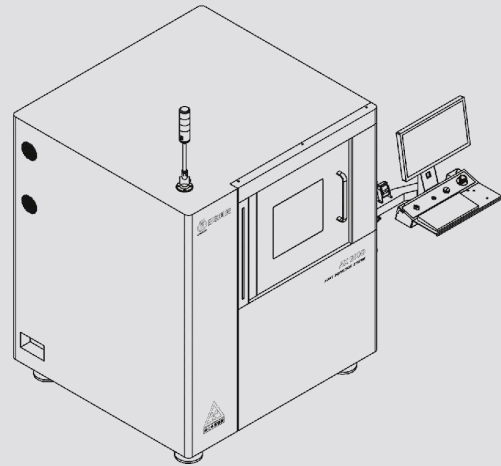
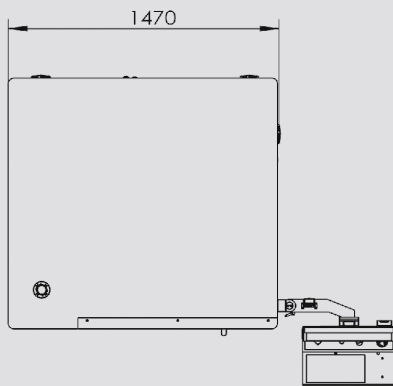
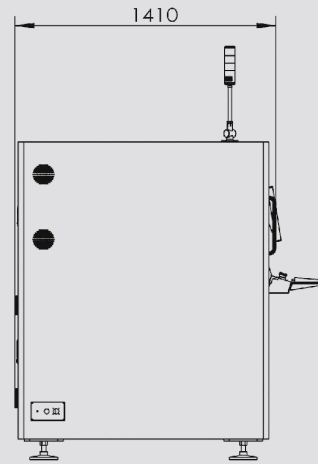
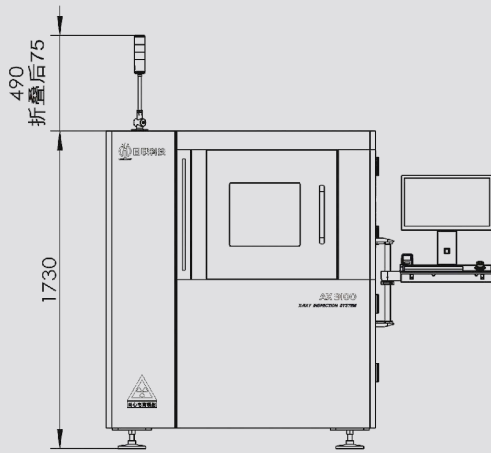
Industrial PC

Monitor	21.5" FHD LCD Display
System OS	Windows 10 64bit
Hard disk	1TB
RAM	16GB
CPU model	Intel i7 Processor

Other Features

Energy Saving	X-Ray Auto-off when it's out of work over than 5 minutes	Safety Operation	Electromagnetic Interlock, Warning Light
Authority Management	Fingerprint Access Management System, and Support Password Accessing	X-Ray Safety	<1μSv/h (Meets All International Standards)

Dimensions and Appearance



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