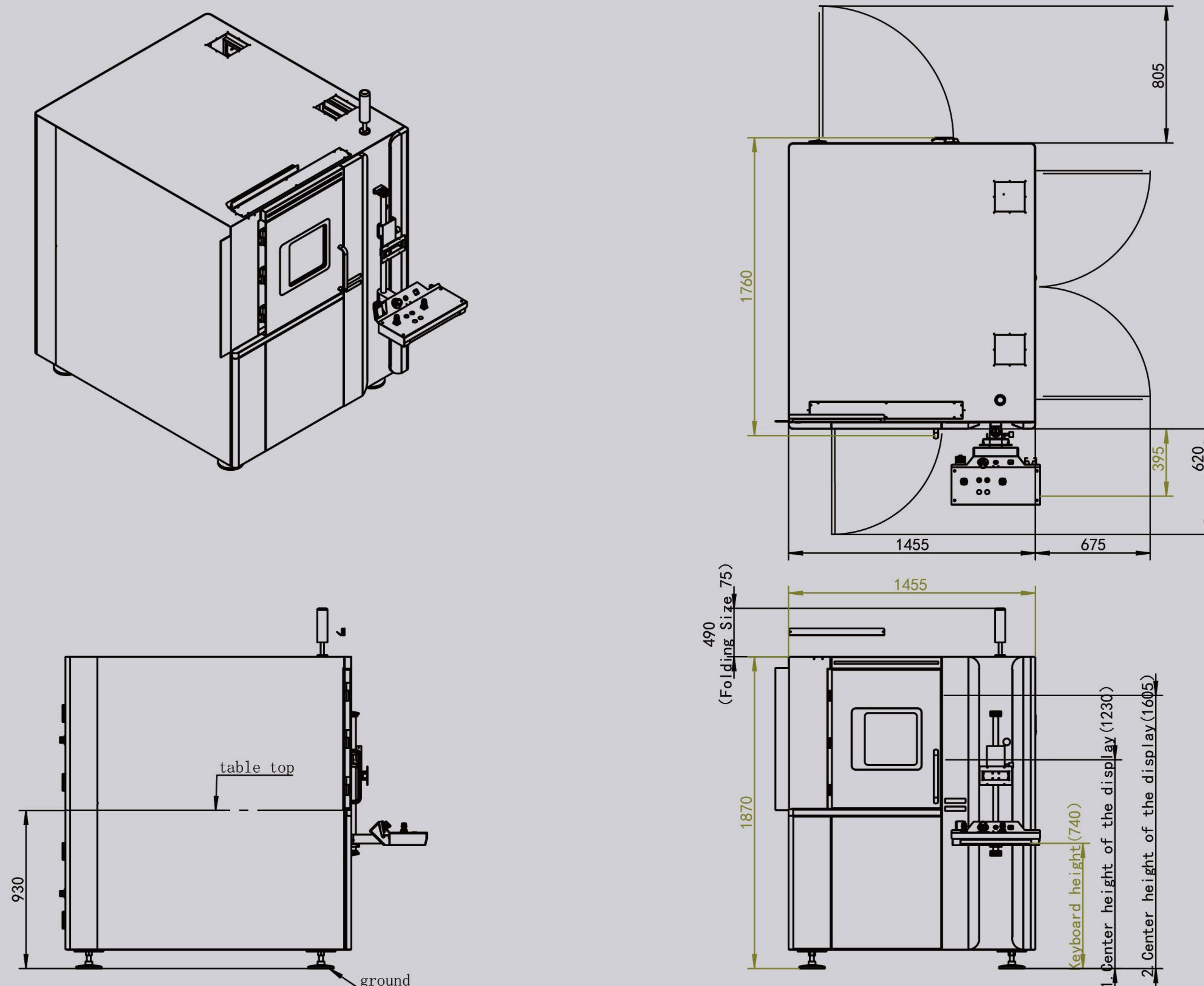


Dimensions and Appearance



AX9100MAX

X-Ray Inspection Equipment



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AX9100MAX



Industrial X-ray CT Inspection Expert



Application Fields

Semiconductor/SMT/DIP/Electronic Component Inspection

IC/BGA/CSP/flip Chip Multiple Packaging Inspection

Lithium Battery Inspection

Auto parts/ Aluminum Castings Detection

Photovoltaic, molded plastics, ceramic products and other special industry detection

Functions and Features

1 The software is equipped with the overdivision algorithm to improve the image quality

2 High-speed CNC function for batch automatic inspection

3 Strong penetrating ray source with HD FPD

4 Double rocker control, improve the ease of operation

5 The imager has a maximum tilt of 60°

6 Point tilt follow function

Inspection Images

IC

Cylindrical cell

BGA

IGBT

Tin climbing

MOS tube

Technical Parameters and Specifications

Overall condition			
Dimension	≈1455(W)×1760(D)×1945(H)mm	Packing Weight	≈2600kg
Machine Weight	≈2400kg	Power Supply	220AC/50Hz
Plywood Packing Size	≈2280(W)×1750(D)×2100(H)mm	Power Consumption	4kW
Tube Type	Sealed	Max. Power	65W
Voltage	130kV	Focus Spot Size	≤7μm
Detector	Flat Panel Detector (FPD)	Pixel Size	≤84μm
Detection Area	129*129[mm]	Frame Rates	Max30fps
Pixel Matrix	1536*1536[pixel]	System Magnification	1600X

Software	
One-click Zoom	Fast automatic location of ROI region
Point Tilt Follow Function	When the tilt axis is moved alone, the desktop automatically follows
Hyperdivision Algorithm	One-click intelligence to improve the overall clarity of the image
Automatic Contrast Function	Intelligently adjust the overall image contrast with one click
A variety of filter processing algorithms	Including sharpening, enhancing, reverse color, denoising image preprocessing functions
Automatic Calculation	It can automatically measure the bubbles of BGA, QFN, IGBT and other components, and support the output result report
CNC Automatic Inspection	Support single point and matrix addition, quickly generate the project, the result can be graphically
Information Display	Support real time process information of inspection
Diverse Measuring Tools	Support distance, Angle, diameter, climbing height, polygon and other geometric measurement

Motion control system		Industrial PC	
Movement Control	Mouse & Keyboard & Dual joystick	Monitor	27 "HD display*2
Max. Loading Area	Φ620[mm]	System OS	Windows11 64-bit
Max. Inspection Area	450*600[mm]	Hard Disk	1TB
Tilt and Rotation	Rotate the swing arm up to 60°	RAM	16G
Table	Plane rotation 360°	CPU Model	i7

Other Features			
Door Open	Hand-operated door	X-Ray Safety	<1μSv/h

* Specifications are subject to change without notice, All trademarks are the property of the system maker.