

X5600

X-Ray Offline Inspection Equipment

X5600 is a small precision micro-focus X-ray intelligent inspection device, equipped with innovative self-developed intelligent inspection software and a new generation of image algorithms. It has clearer imaging, is easy to operate, and occupies a small space. It is suitable for R&D laboratories, offices, quality inspection rooms and other places. It is the preferred equipment for X-ray inspection of micro-precision devices.

Product Features

- Miniaturized Equipment:** Small footprint, easy to place and use
- High-definition Imaging:** High-resolution design to obtain the best image
- Simplified Operation:** Easy to operate, click the mouse to quickly reach any observation position on the stage
- Intelligent Inspection Software:** Equipped with innovative self-developed intelligent inspection software and image enhancement algorithm
- Tilt/Rotate Multi-Angle:** Convenient for multi-angle analysis of internal structural defects of objects
- CNC Inspection:** Multi-point array fast automatic inspection, used for batch inspection scenarios
- Safety Protection:** Multiple mechanisms such as safety interlock, automatic shutdown of radiation source when the equipment is idle

Technical Advantages

Tilted Perspective Inspection Function

With tilted photography function, when the front view of special devices cannot identify defect features, the tilted photography function can be used to observe device features from multiple angles, making it easier to analyze and identify defect content.

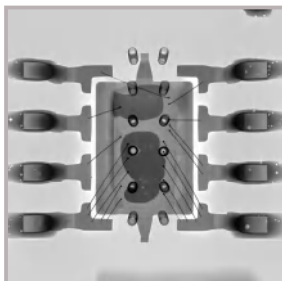
360° Rotation Photography Inspection Function

Equipped with a rotating manipulator, it can rotate 360° to take pictures and observe defects without dead angles.

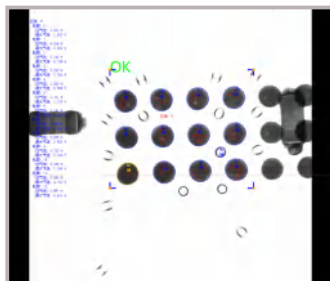
Cone Beam CT Function (Advanced Option)

Advanced inspection and 3D analysis functions for small-sized electronic components

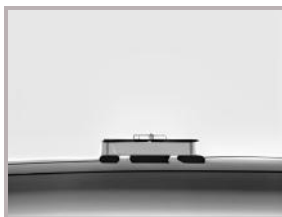
Application Cases



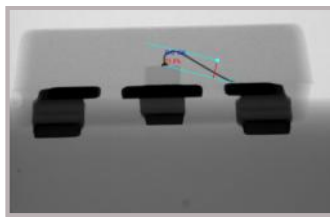
Bonding Wire



Void Inspection



Chip Cracks



Curvature Measurement



Product Parameters

Model No.		X5600
X-Ray Tube	X-Ray Tube Type	Reflective sealed micro-focus X-ray source
	Tube Voltage	0-90KV
	Tube Current	0-200μA
	Maximum Output Power	8W
	Micro Focus Size	15μm
Flat Panel Detector	Flat Panel Type	Amorphous Silicon Flat Panel Detector
	Pixel Matrix	1536X1536
	Field of View	130mmx130mm
	Resolution	5.5Lp/mm
	Image Frame Rate (1x1)	20fps
	AD Conversion Digits	16bits
Equipment Specifications	Input Power	220V 10A 50-60HZ
	Operation System	Industrial Computer Win10 64 bits
	Maximum Sample Size	280mm×320mm
	Dimensions	L850mm×W1000mm×H1700mm
	Net Weight	750KG