

X7600B

X-Ray Offline Inspection Equipment

X7600B is a powerful high-end precision micro-focus X-ray intelligent inspection equipment, equipped with innovative self-developed intelligent inspection software and a new generation of image algorithms. It adopts a high-voltage X-ray tube design with strong penetration and high image quality. It has a 2.5D imaging function and can achieve 360-degree, all-round observation of product defects. It is widely used in printed circuit boards (PCBs), microchips (ICs), mobile phones, power devices and other product inspections



Product Features

Wider Application Range: High voltage, high resolution, high magnification, to obtain the best image

2.5D Imaging: Imaging is more three-dimensional, solving the problem of defect location in the spatial dimension

Intelligent Inspection Software: Equipped with innovative self-developed intelligent inspection software

Image Enhancement: New image enhancement processing and preset filter algorithm

Full-angle Inspection: Tilt/360° rotation, convenient for all-round observation of product defects

CNC Mode: Free point and matrix, used in batch inspection scenarios, automatically generate inspection reports

Multiple Safety Protection: Real-time monitoring of radiation value, safety interlock, automatic shutdown of radiation source in idle state and other multiple protections

Inspection Algorithm Customization: AI intelligent inspection algorithm can be customized according to actual needs of users

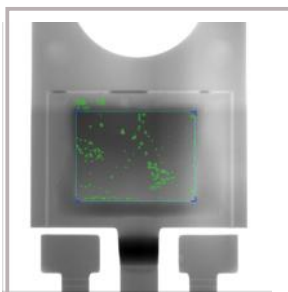
Scan Code Traceability: Barcode information is associated with inspection results for traceability verification (optional)

Image Stitching Function: (optional)

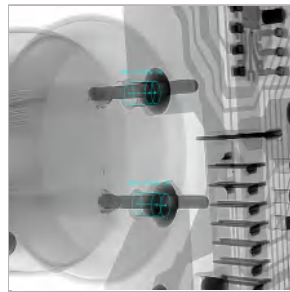
Product Parameters

Model No.		X7600B
X-Ray Tube	X-Ray Tube Type	Reflective sealed micro-focus X-ray source
	Tube Voltage	40-130KV
	Tube Current	10-300 μA
	Maximum Output Power	39W
	Micro Focus Size	5μm (at 4W)-40μm
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	Dimensions	L1700mm×W1770mm×H1800mm
	Input Power	220V 10A 50-60HZ
	Platform Size	510mm×510mm
	Operation System	Industrial Computer Win10 64bits
	Net Weight	2050KG

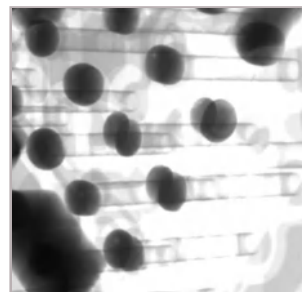
Application Cases



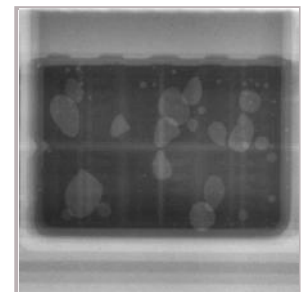
MOS Tube Voids Inspection



DIP Tin Creep Height Inspection



Pillow Effect



LED Void Inspection