



High Precision Microfocus X-Ray Inspection Machine with CNC Batch Programming for PCB Testing

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Wisdomshow
- Certification: CE FDA ISO
- Model Number: S7200
- Minimum Order Quantity: 1
- Packaging Details: Wooden case
- Delivery Time: 10 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union
- Supply Ability: 100+

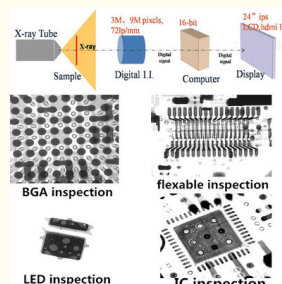
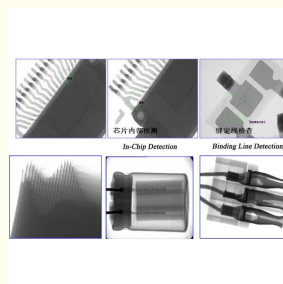


Product Specification

- Product Name: X-RAY Detection Machine
- Voltage: 110-220V 50-60HZ
- Power: 1600W
- Product Size: 1300*1320*1800mm
- Weight: 1250KG
- Package Size: 1460X1460X1640 Cm
- Package Weight: 1340KG
- Warranty: 1 Year
- Highlight: High Precision X-Ray Inspection Machine, Microfocus X-Ray Detection Machine, CNC Batch Programming X-Ray Testing Equipment



More Images



Product Description

The S7200 X-Ray Inspection System is a high-performance, closed microfocus X-ray solution for non-destructive testing (NDT) of electronics, lithium batteries, and industrial components, equipped with a Hamamatsu source and an ultra-high-definition iRay flatpanel detector. The system features automatic defect detection, CNC batch programming, and void/bubble analysis, making it ideal for BGA void analysis, PCB solder inspection, and aerospace component validation.

High-Resolution Microfocus Imaging

Equipped with a Hamamatsu sealed X-ray tube and 5-15µm focal spot for ultra-fine defect detection, ideal for BGA, IC, and PCB analysis.

Real-Time CNC Batch Inspection

Supports automated batch testing via CNC programming for repeatable, operator-free measurements with image storage and reporting.

Comprehensive Defect Analysis

Detects voids, cracks, solder bridges, and microbubbles with high accuracy; supports bubble rate calculation, distance, angle, area, and curvature measurement.

Smart Image Enhancement

Software enables on-the-fly adjustment of brightness, contrast, and gain, with user-defined presets for repeat product testing.

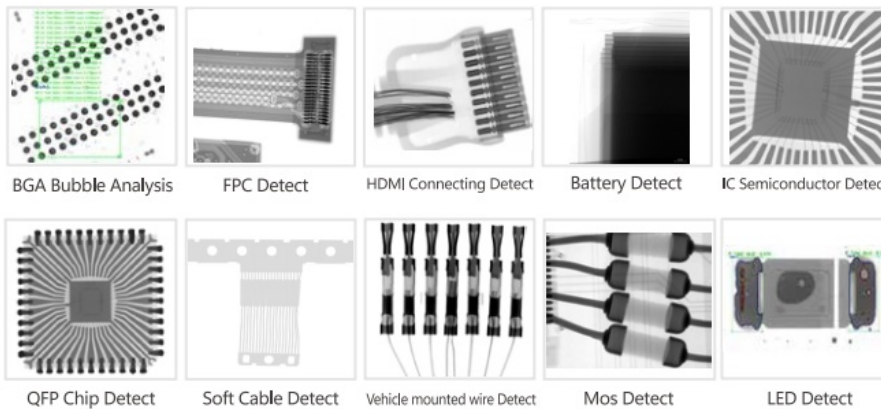
Integrated Data Output

Inspection results exportable in CSV and image formats, enabling seamless documentation, traceability, and offline review.

Radiation Protection Compliance

Triple-layer steel-lead-steel shielding ensures emission below 0.5 Sv/h, exceeding international safety standards.

X-ray Inspection Image / Inspection Case Image



Specifications

Model	S7200	
X-ray Source	Type	Closed micro-focus (Hamamatsu)
	Voltage	90 kV
	Current	10–200 µA
	Power	8 W (tube only)
	Focus Size	5 µm
Detector	Type	iRAY amorphous silicon panel
	Resolution	1536 × 1536 pixels
	Pixel Spacing	85 µm
	Frame Rate (1×1)	40 fps
Stage	Size	520 × 520 mm
	Load Capacity	10 kg
Safety	Radiation Dose	<0.5 µSv/h (at 20mm distance)
	Certification	Exempt (YFHB No. [20200072])
Power	Input Voltage	110–220 V AC, 50/60 Hz
	Total System Power	1600 W
Dimensions	Equipment Size (L×W×H)	1300 × 1320 × 1800 mm
	Weight	~1250 kg



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