X-RAY INSPECTION

SEAMARK XL6500B

Inline X-Ray Inspection Machine with AI Inspection

Inline Automatic Inspection | 130 kV Sealed Microfocus Tube | AI Defect Detection | Barcode Traceability | Safety Interlocks



OVERVIEW

The **Seamark XL6500B** is an inline X-ray inspection system with strong penetration, high magnification, high resolution and a large inspection area. Self-developed inspection software and AI algorithms deliver fast, accurate automatic inspection.

It suits full inline inspection of semiconductors, SMT assemblies, IGBT modules and LEDs where quality requirements are high.

KEY FEATURES

Wide application range
semiconductors, SMT board assemblies, IGBT modules, LEDs and more

AI intelligent inspection
detects voids, insufficient solder and solder bridging; AI models customisable to user needs

Fast programming
wizard-based inspection template editing

Barcode traceability
inspection results linked to the barcode of each product

Multiple safety protections
safety interlocks and automatic X-ray source shutdown when idle

TECHNICAL SPECIFICATIONS

X-Ray Tube	Reflective sealed microfocus tube
Tube Voltage	40–130 kV
Tube Current	10–300 µA
Max. Output Power	39 W
Focal Spot Size	5–50 µm
Detector	Amorphous silicon flat panel, 1536 × 1536 pixels, 16-bit A/D, 20 fps
Field of View	130 × 130 mm
Resolution	5.8 Lp/mm
Max. Sample Size	510 × 600 mm
Control System	Industrial PC, Windows 10 (64-bit)
Power Supply	220 V 10 A / 110 V 15 A, 50–60 Hz
Dimensions (L×W×H)	1500 × 1550 × 2160 mm
Net Weight	2350 kg

Configuration, demo and quotation

InterElectronic is the Seamark partner for Hungary and Central Europe: application advice, sample tests, installation, training and service.

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Specifications according to Seamark. Subject to change without notice.