X-RAY INSPECTION

SEAMARK X1200

Offline X-Ray Inspection Machine for Large Boards

Inspection Area 1200 × 600 mm | CNC Automatic Inspection | Sealed Microfocus Tube | < 1 µSv/h



OVERVIEW

The **Seamark X1200** is a precision microfocus X-ray inspection system for large PCBs, 5G communication motherboards, LED light bars and other large-area products. Its effective inspection area of 1200 × 600 mm allows automatic inspection of very large boards.

The X-ray source and the flat panel detector move in X/Y over the whole area, and CNC inspection programs run the inspection and the judgement automatically.

KEY FEATURES

Large inspection area
1200 × 600 mm, the source and detector move in X/Y to cover the whole area

CNC automatic inspection
editable inspection programs for automatic inspection and judgement

Customisable
versions for different product sizes and automatic test plans available as options

Easy to use
simple software operation and low operating cost

TECHNICAL SPECIFICATIONS

X-Ray Tube	Sealed microfocus tube
Tube Voltage	40–90 kV (130 kV optional)
Tube Current	10–200 µA (300 µA)
Max. Output Power	8 W (39 W)
Focal Spot Size	5–15 µm
Detector	TFT industrial dynamic 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	1200 × 600 mm
Control System	Industrial PC, Windows 7 / 10 (64-bit)
Power Supply	220 V 10 A / 110 V 15 A, 50–60 Hz
Radiation Leakage	< 1 µSv/h
Dimensions (L×W×H)	2040 × 1280 × 1870 mm
Net Weight	approx. 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.