

Xspection 1860

X-Ray Inspection



Introducing the Xspection 1860 - a versatile X-ray machine that offers comprehensive circuit board defect detection and quality assurance for the SMT industry worldwide. With a single closed tube and tilting features, the Xspection 1860 delivers high-resolution imaging perfect for batch inspections. It also provides detailed statistics to help improve your SMT line process. This makes it an excellent tool for inspecting various components, including Multilayer PCBs, Voids, Semiconductors, Barrel Fill (TH), and Li Battery. Upgrade your quality assurance capabilities with the Xspection 1860 today!



Height with light
2180mm

Height without light
1780mm

(L) 1240mm

(W) 950mm

FEATURES

- Fully integrated 90kV microfocus sealed tube
- Spot size down to 5 μ m
- Mapping camera for close-up image capture
- Tilting angle capability of 45 degrees
- More accurate VOID calculation by better background definition
- Enhanced BGA tool reduces false alarms
- Industrial PC: Microsoft Windows 11

The measurement of the system with an extended keyboard stand is 1580mm.

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Hardware	Detection Range	16"x18" / 400mm x 460mm
	Maximum Tilt	45° (Optional 70°)
	Inspection Speed	Stepper Motors
	Max X-Ray Power	90kV, Minimum 5µm
	Flat Panel Detector	5" x 5" 14bit (1536 x 1536)
	Pixel Size	85µm
Software	Optical Inspection Camera	2 megapixel x1
	CNC Programmable	Yes
	Fiducial	Yes
	Void Percentage Calc. (auto)	Yes
	BGA Measuring	Yes
	Barcode	Optional (Laser Scanner)
	Windows 11 Ready	Yes
	Dimension	950mm x 1240mm x 1780mm (W) 37.4in x (D) 49in x (H) 70in
	Weight	1300 kg
	Electric	AC110-240V VAC50-60Hz

