

AXI-6100

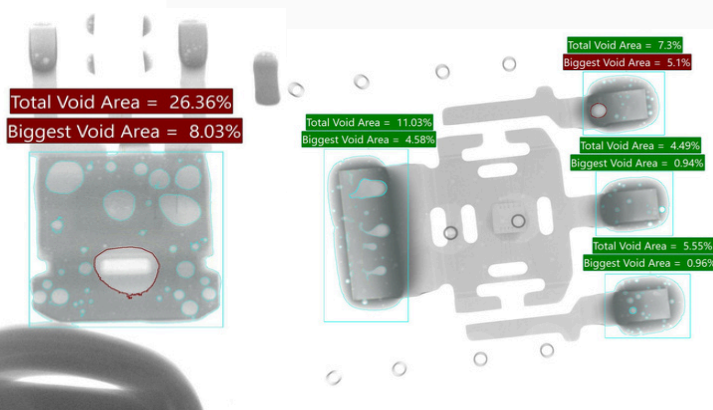
X-Ray Inspection



The ScienScope AXI-6100 series comprises specialized X-ray inspection systems explicitly engineered for the examination of long circuit boards such as those used in LED and Electric Vehicle (EV) battery controller boards. The AXI-6000 series is available in three distinct dimensions: 1.2 meters, 1.8 meters, and 2 meters. Despite the differences in physical size, all models possess identical inspection functionalities. A distinctive feature of the AXI-6100 series is its inline design, integrating a conveyor system for seamless handling of extended boards. The operational tempo for these inspection systems is notably efficient, averaging approximately one second per inspection point. The systems are optimally designed to detect and analyze voids in LED and automotive Printed Circuit Boards (PCBs). They are capable of performing either intermittent or exhaustive, 100% inspections, thereby catering to a broad spectrum of quality assurance requirements.



Defects Detection



FEATURES

- Fully integrated, 90kV or 130kV high power micro-focus closed x-ray tube
- Automatic programming of fiducial & barcode inspection
- Tilting capabilities of 40°
- Three different conveyor dimensions available
- Accurate void percentage calculated with AI
- Industrial PC: Microsoft Windows 11



AXI-6100

X-Ray Inspection

AXI 6100 (1.2m)



AXI 6100 L (1.8m)



AXI 6100 XL(2.0m)



P	Maximum Length	1200mml48in	1800mml71in	2000mml 79in
	Maximum Width	600mml23.6in	600mml23.6in	600mml 23.6in
	Inspection Speed	1 S/ field of view	1 S/ field of view	1 S/ field of view
	Maximum X-Ray Power	90kVI130kV	90kVI130kV	90kVI 130kV
	X-Ray Flat Panel Detector	5"x5"	5"x6"	5"x6"
	Tall Board Configuration	Optional	Optional	Optional
	SMEMA Ready	Yes	Yes	Yes
	Maximum Tilt	40°	40°	40°
	CNC Programmable	Yes	Yes	Yes Yes Yes Optional Optional
	Fiducial	Yes	Yes	Optional Optional Yes
off e	Void Percentage calc. (auto)	Yes	Yes	2915mm x 1785mm x
	Barcode	Optional	Optional	1700mm 3600kg 3kW
	Offline Programming	Optional	Optional	
	Repair Station	Optional	Optional	
	Discrepancy Comparator	Optional	Optional	
	Windows 11 Ready	Yes	Yes	
Dimensions	2215mm x 1785mm x 1700mm	2715mm x 1785mm x 1700		
Weight	2500kg	3300kg		
Electric	3kW	3kW		

XIV IZ Axis for X Tube

