



Economical
Quality Assurance
in Electronics
Manufacturing

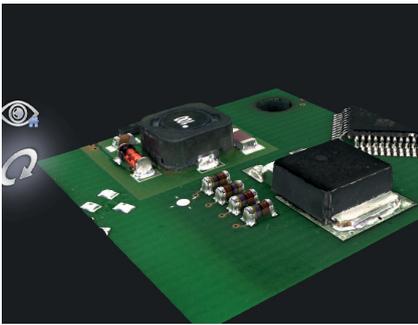


Unmatched 360View
for seamless
defect detection

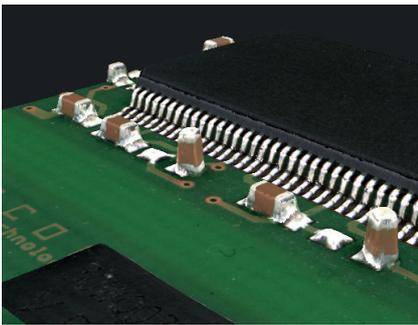
iS6059 PCB Inspection

Extremely fast and precise inspection
for high-volume production

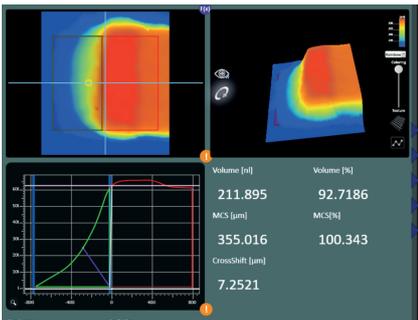
Accurate Inspection Results for Efficient SMT Production



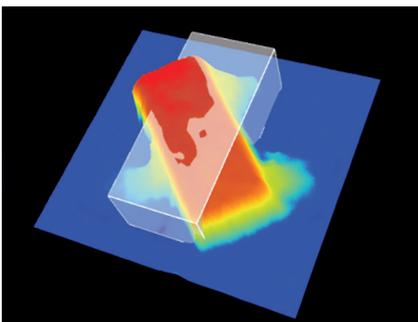
Realistic inspection images with 360View



Reliable detection of defects such as tombstoning



3D solder joint measurement



Component body detection using 3D methods

High throughput for manufacturing

Reliable quality assurance

Highly effective process control tools

Simple and intuitive system operation

Use of artificial intelligence in various fields of application

Customer hotline and website, remote maintenance

The iS6059 PCB Inspection is designed to meet the demands for high throughput production lines, capable of inspecting cutting-edge electronics, while remaining cost-effective at the same time. The system is based on the unique 3D AOI technology from Viscom and combines accurate defect detection with high inspection speed. This makes the iS6059 PCB Inspection the first choice for efficient SMT production.

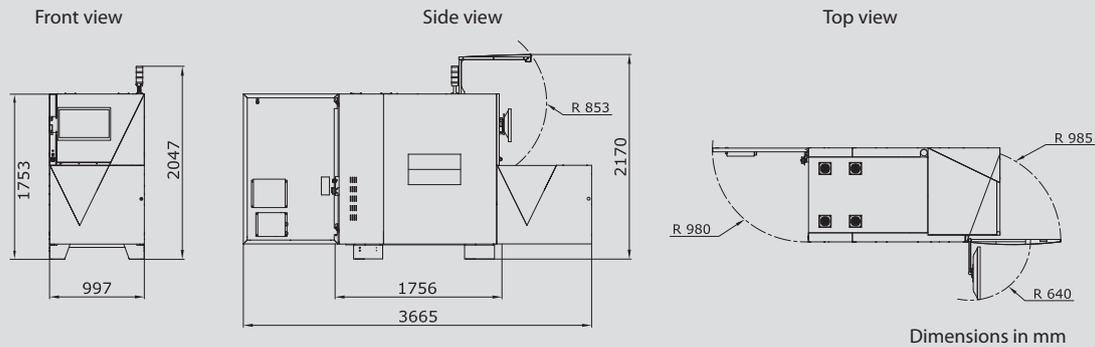
Some of the market leading features of the iS6059 PCB Inspection include an inspection speed of up to 65 cm²/s and a field of view measuring 50 mm x 50 mm. With eight angled-view cameras, it achieves a virtually shadow-free 3D inspection. This is one of the key advantages of this system.

For optimal process control and comprehensive defect coverage, the results from automatic optical inspection can be intelligently linked with SPI, AXI and MXI results via the Quality Uplink software from Viscom.

The system's modern user interface, vVision, simplifies operation and inspection program generation, making it intuitive and efficient at the same time.

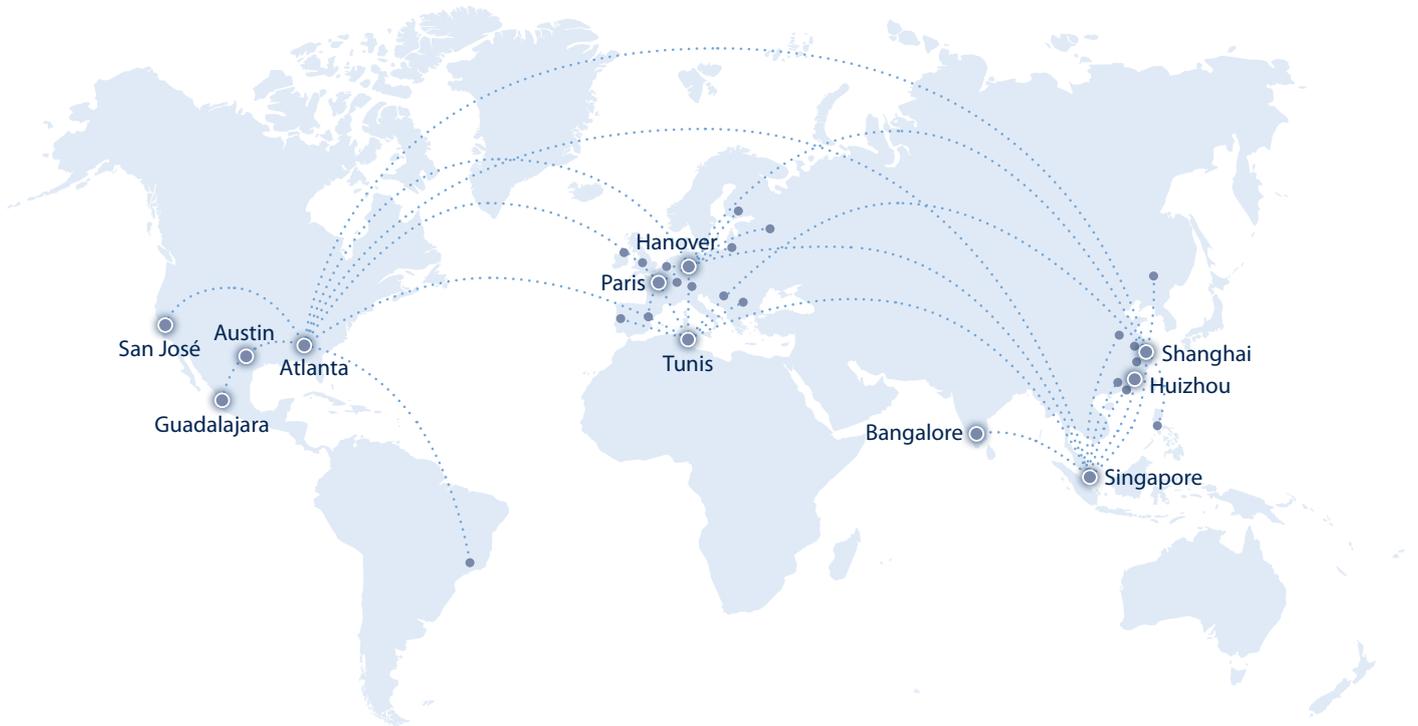


Technical Specifications iS6059 PCB Inspection



		iS6059 PCB Inspection	
Inspection scope		Solder joints, mounting, open surfaces, character recognition, solder paste, mold, assembly	
Camera technology		XM8-II	XM8-II
	3D sensor technology		
	Z-resolution	0.5 μm	0.5 μm
	Z-range	Up to 30 mm (1.1")	Up to 30 mm (1.1")
	Angled view cameras		
	Number of megapixel cameras	8	8
	Orthogonal camera		
	Resolution	10 μm	8 μm
	Field of view	50 mm x 50 mm (1.9" x 1.9")	40 mm x 40 mm (1.5" x 1.5")
Inspection speed		Up to 65 cm ² /s	Up to 50 cm ² /s
Software	User interface	Viscom vVision/SI EasyPro	
	Statistical process control	Viscom vSPC/SPC, open interface (optional)	
	Verification station	Viscom vVerify/HARAN	
	Remote diagnosis	Viscom SRC (optional)	
	Programming station	Viscom PST34 (optional)	
System computer	Operating system	Windows®	
	Processor	Intel®Core™i9	
PCB handling	PCB dimensions	508 mm x 508 mm (20" x 20"); long-board option available	
	PCB support	Optional	
	Transport height	850 – 950 mm ± 20 mm (33.4" - 37.4" ± 0.7")	
	Width adjustment	Automatic	
	Transport concept	Single-track transport system; dual-lane option with iS6059 Dual-Lane Inspection available	
	PCB clamping	Pneumatic	
	Upper transport clearance	50 mm (1.9")	
Lower transport clearance	50 mm (1.9")		
Other system data	Positioning unit	Synchronous linear motor	
	Interfaces	SMEMA, Hermes, CFX, third-party providers	
	Power requirements	400 V, 50 Hz, 3P/N/PE +/- 10%; 4 – 6 bar working pressure	
	System dimensions	997 mm x 1756 mm x 1753 mm (39.2" x 69.1" x 69") (W x D x H)	
	Weight	Approx. 1000 – 1080 kg (2204.6 – 2380.9 lbs)	

Specifications and other system information are subject to change without notice and may differ from the information displayed at the time of ordering.



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