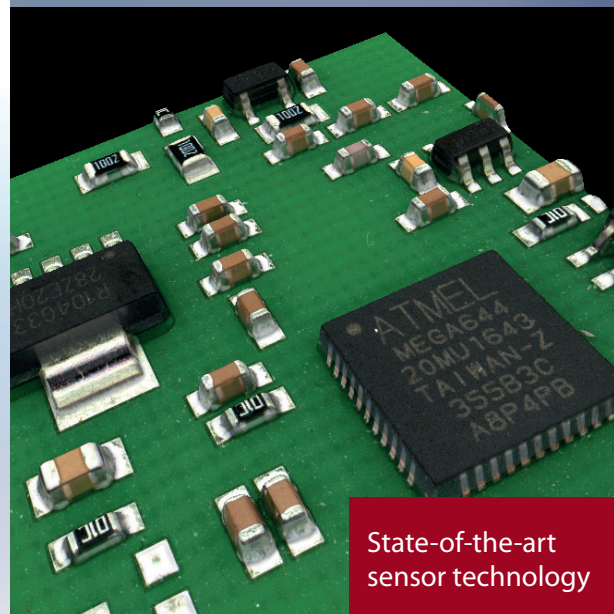




High-Precision  
Quality Control  
in Double-Track  
Operation



State-of-the-art  
sensor technology



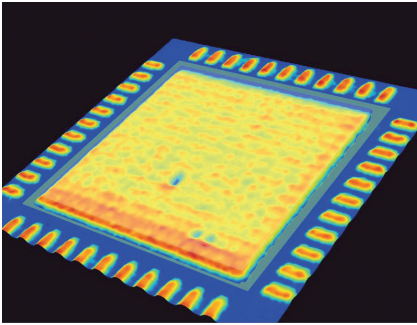
## iS6059 Dual-Lane Inspection

Future-oriented solutions to maximise SMT production

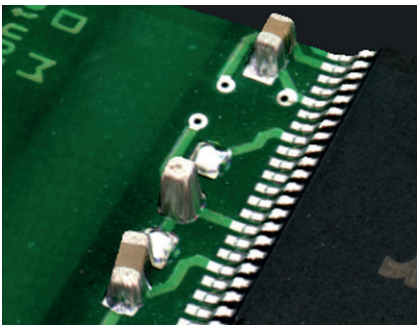
3D SPI

3D AOI

# Maximum Output in the Minimum Space



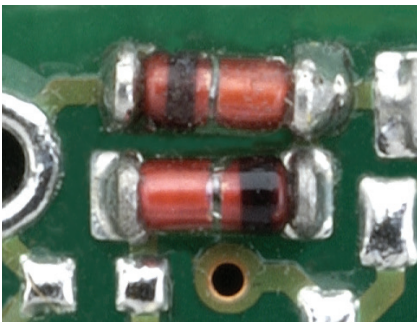
Volume analysis in SPI



Tombstone in 3D view



Lifted lead, angled view



Wrong polarity

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**High-throughput 3D-AOI and 3D-SPI technology**

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**Versatile double-track applications in a small footprint**

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**Comprehensive connection to cutting-edge interfaces**

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**Smart tools for effective process control**

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**Verification with artificial intelligence**

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**Customer hotline and website, remote maintenance**

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When space and time are at a premium in the production of electronic devices, double-track lines quickly prove to be the ideal solution. In addition to its single-lane optical systems, Viscom also offers configurations where two assemblies can be inspected virtually simultaneously with high throughput. The quality control of paste printing, assembly and soldering is thus compactly designed for maximum efficiency and offers all the well-known advantages of Viscom's state-of-the-art hardware and software.

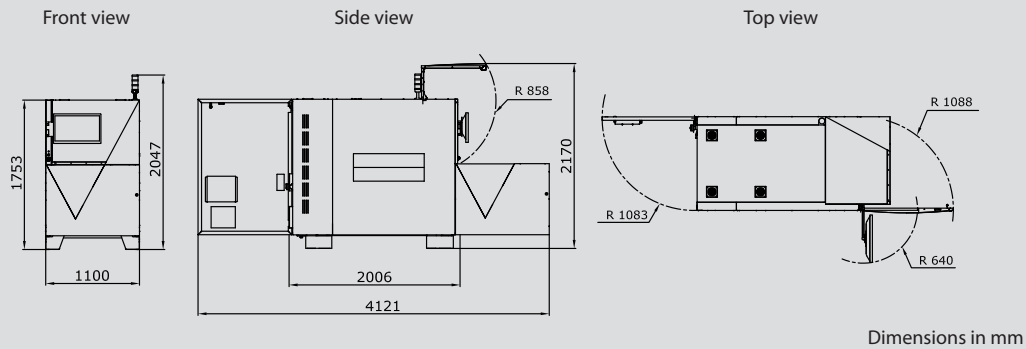
The sensor technology meets the highest standards of accuracy and fast data processing. With automatic self-tests, the systems ensure that their results are always reliable and repeatable. Simple operation and inspection program creation as well as a wide range of smart digital networking options are also among the advantages of Viscom's dual-lane systems.

The machine can also be used flexibly with a single track for quality control of very large assemblies. Extensive libraries are available for highly reliable verification of inspection results and fine-tuning of inspection programs. The future-oriented advantages of artificial intelligence are now also available on this new platform.

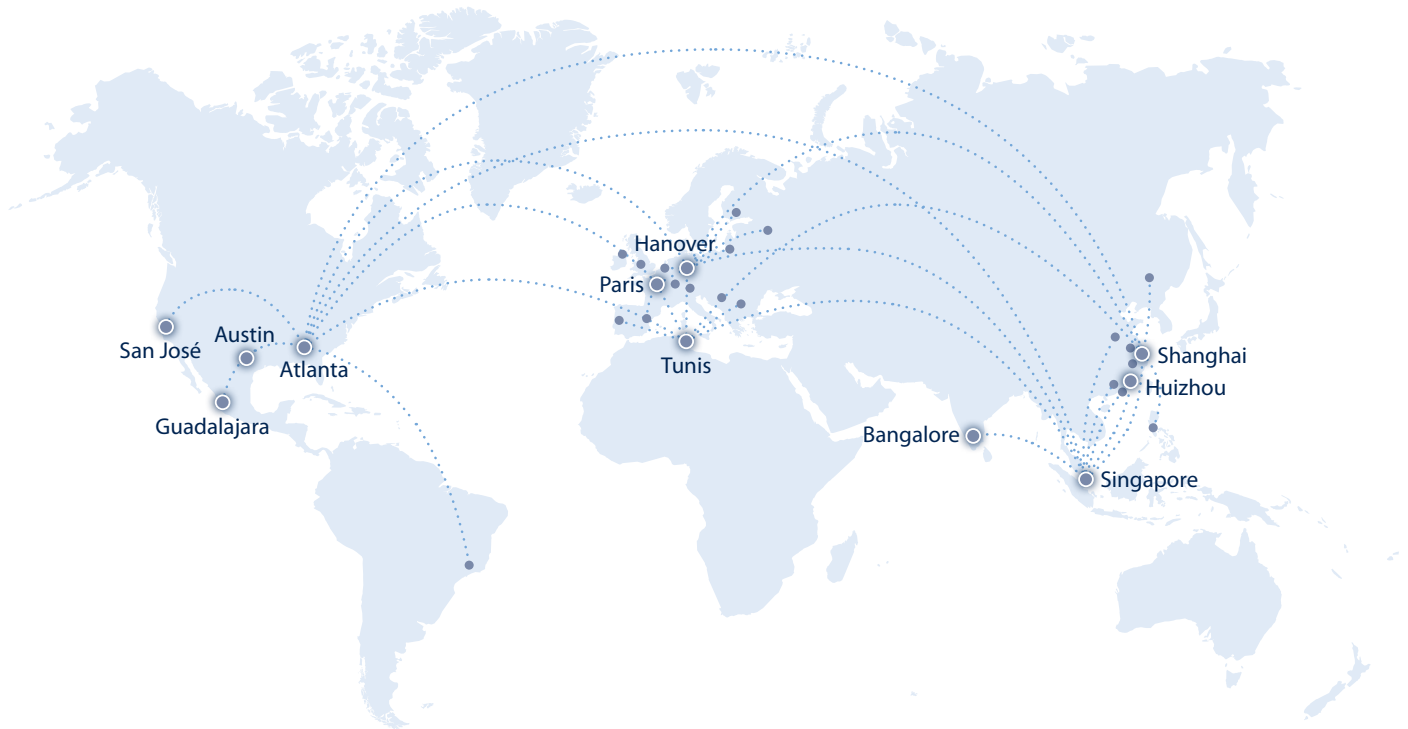


# Technical Specifications

## iS6059 Dual-Lane Inspection



iS6059 Dual-Lane Inspection					
Inspection scope	Solder joints, mounting, open surfaces, character recognition, solder paste, mold, assembly				
Camera technology		XM5-II	XM8-II	XMplus-II	XM-SPI-II
	3D sensor technology				
	Z-resolution	0.5 µm	0.5 µm	0.5 µm	0.1 µm
	Z-range	Up to 30 mm (1.1")	Up to 30 mm (1.1")	Up to 30 mm (1.1")	Up to 5 mm (0.1")
	Angled view cameras				
	Number of megapixel cameras	8	8	8	4
	Orthogonal camera				
	Resolution	10 µm	8 µm	10 µm	12 µm
	Field of view	50 mm x 50 mm (1.9" x 1.9")	40 mm x 40 mm (1.5" x 1.5")	50 mm x 50 mm (1.9" x 1.9")	58 mm x 58 mm (2.2" x 2.2")
Inspection speed		Up to 65 cm <sup>2</sup> /s	Up to 50 cm <sup>2</sup> /s	Up to 70 cm <sup>2</sup> /s	Up to 80 cm <sup>2</sup> /s
Software	User interface	Viscom vVision, SI on request			
	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	450 mm x 350 mm (17.7" x 13.7"), minimum width 70 mm (2.7")			
	Transport height	850 - 950 mm ± 20 mm (33.4" - 37.4" ± 0.7")			
	Width adjustment	Automatic			
	Transport concept	Dual-track transport system			
	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 \ third-party providers			
	Power requirements	230/400 V, 50/60 Hz, 3P/N/PE +/- 10%; 4 - 6 bar working pressure			
	System dimensions	1100 mm x 2006 mm x 1753 mm (43.3" x 78.9" x 69") (W x D x H)			
	Weight	Approx. 1150 - 1250 kg (2535.3 - 2755.7 lbs)			



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