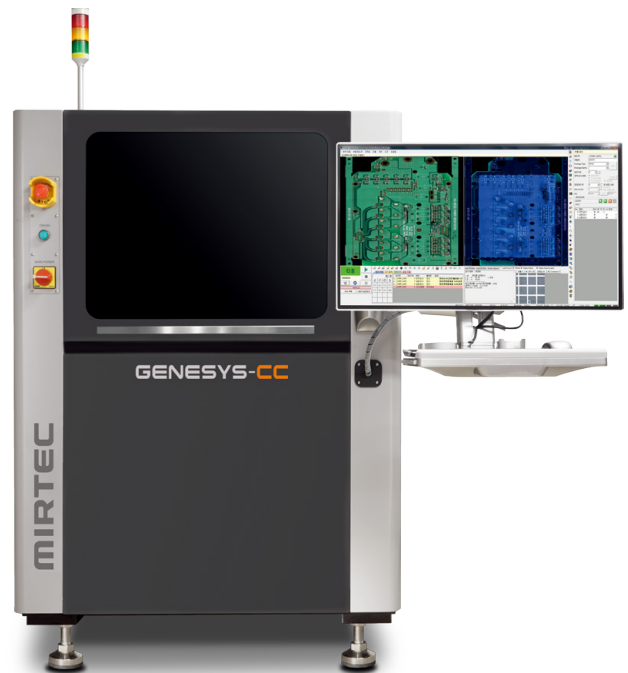
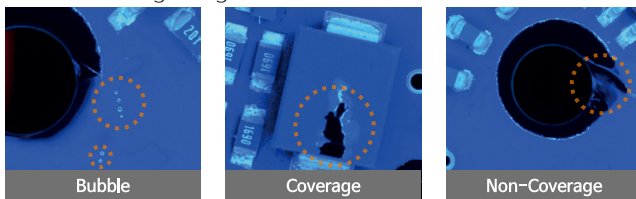


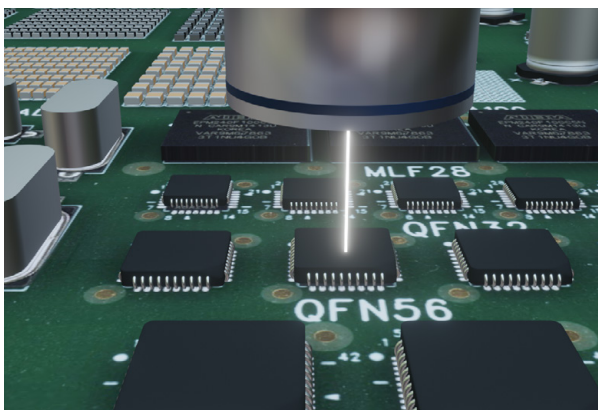
AI-Based Conformal Coating Inspection

- Deep Learning bubble inspection
- Double sided PCB inspection
- Coating inspection for lateral side of components with 18M side camera
- Standard SMT PCB inspection
- Precise fiducial / bad mark recognition with coaxial light

〈 Actual coating images 〉

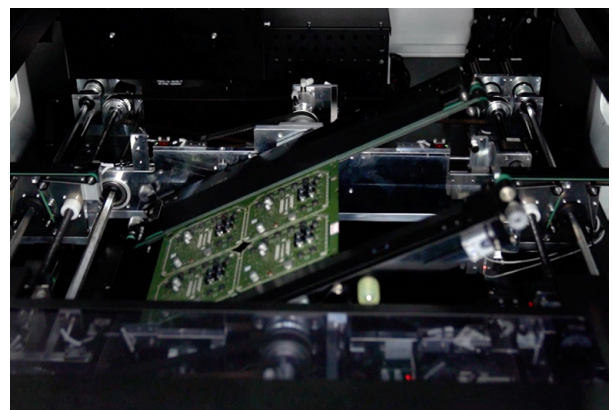


Coating Thickness Inspection with High-Precision Sensor



- Inspection of coating thickness on the top surface of PCBs and components
- Wide measurement range of 10 μm ~ 1,000 μm

Double sided PCB Inspection



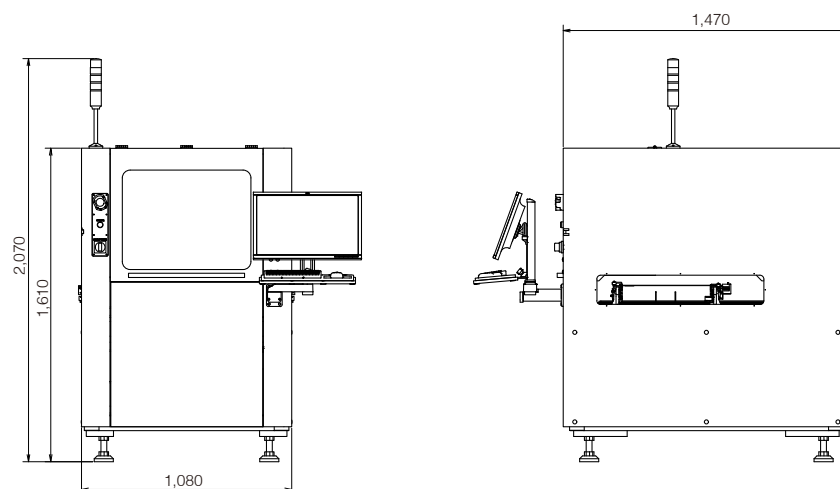
- Top-bottom sequential inspection by applying flip conveyor
- Suitable for SMD-THT mixed manufacturing process such as automotive electronics assembly

Specifications

Items		Details	
Camera Resolution		15 Megapixel CoaXPress Color Camera	
Lens Resolution		15μm	10μm
Lens Configuration		Precision Telecentric Compound Lens	
Inspection Speed		10,716 mm ² / Sec	5,080 mm ² / Sec
Lighting System		8CH Compound Light : R, G, B, W(H), W(V), W(Coaxial) UV(H), UV(V)	
Coating Thickness Measurement		10μm ~ 1,000μm	
PCB Handling (Single sided PCB, Standard)	Size Range	50mm x 50mm ~ 510mm x 510mm	
	Thickness	0.5mm ~ 5mm	
	Max. Weight	4kg	
	Clearance	Top : 45mm Bottom : 50mm	
PCB Handling (Double sided PCB, Flipper)	Size Range	140mm x 60mm ~ 460mm x 400mm	
	Thickness	0.5mm ~ 3mm	
	Max. Weight	2kg	
	Clearance	Top : 45mm Bottom : 50mm	
Power Requirement		Single Phase(s) 200~240V 50/60Hz, 1.1 kW	
Air Requirement		5 Kgf / (0.5 Mpa)	
Teaching Method		Manual Teaching AI Auto Teaching (TBD)	
H/W Options		Triple Stage Conveyor, Flipper, Z-Axis, 18M Side Camera (4EA), PCB Support Pin, NG Marker, Barcode Reader (1D/2D/Camera Type)	

• Data subject to change without notice.

Dimension



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