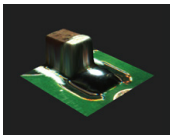


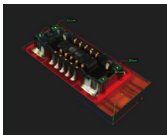
Advanced 3D AOI for Automotive Electronics

- 50mm Height component inspection
- PIN inspection for automotive electronics and communication products
- Double-sided PCB inspection

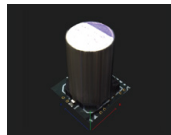
〈 Actual 3D PIN image 〉



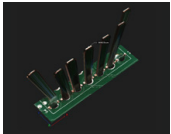
Solder Joint



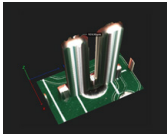
Connector



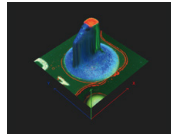
Tall Component



Single Pin Array



Fork Pin



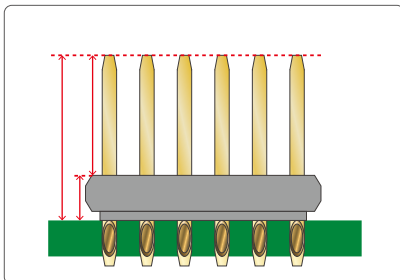
Pin Solder



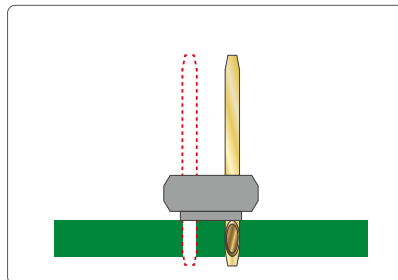
Inspection Items

Inspection items for single pin, fork pin, ECU connector pin

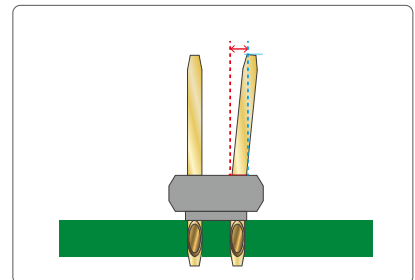
■ Pin / Shoulder / Shoulder-pin height, Polarity



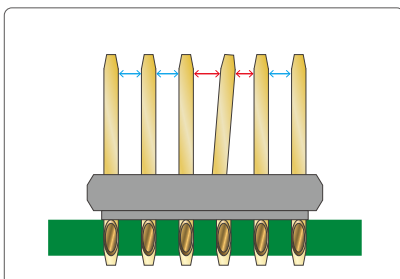
■ Missing pin



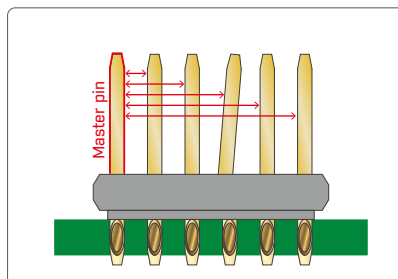
■ Offset (tilt)



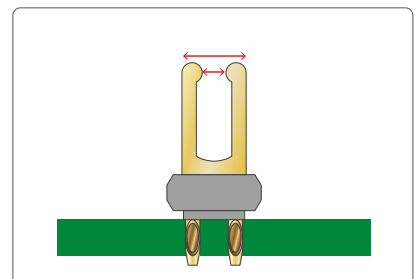
■ Absolute distance (μm) / Relative distance (%)



■ Distance from master pin



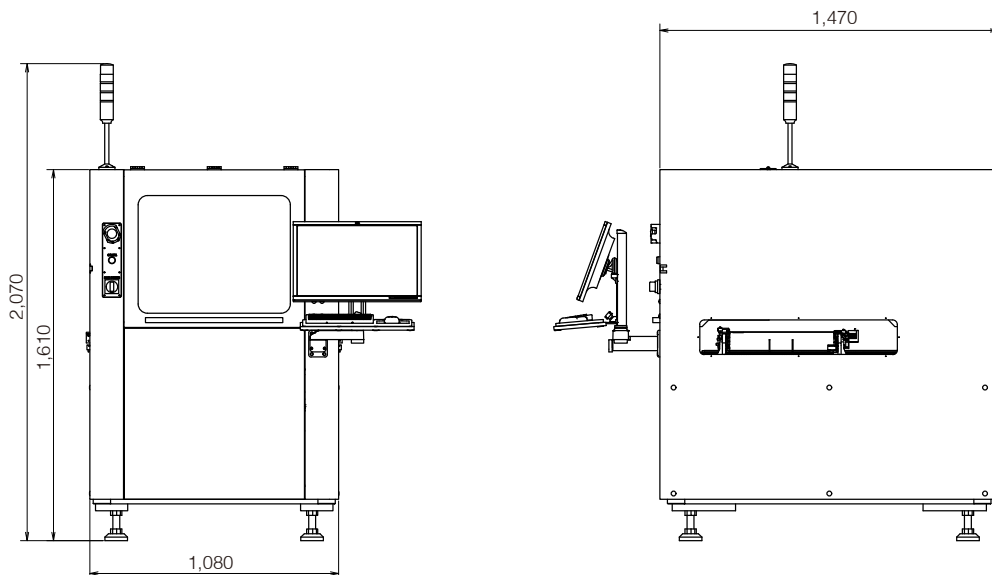
■ Inner diameter of fork pin



Specifications

Items		Normal Mode	Precision Mode
Camera / Lens Resolution		12 Megapixel / 15 μ m	
Lighting System		9CH 3Stage RGB	
Inspection Range (Height)		0.1mm ~ 50mm	
3D Technology		Hybrid 3D Technology	
Height Accuracy	0.1mm ~ 0.5mm	$\pm 5\mu$ m	
	< 0.5mm ~ 40mm	$\pm 1\%$	N/A
	< 11mm ~ 50mm	-	$\pm 15\mu$ m
Inspection Speed	0.1mm ~ 11mm	3,860 mm ² / Sec	N/A
	< 11mm ~ 40mm	2,831 mm ² / Sec	1,846 mm ² / Sec
	< 11mm ~ 50mm	N/A	
PCB Handling	Size Range	Standard	50mm x 50mm ~ 510mm x 510mm
		Flipper	140mm x 60mm ~ 450mm x 400mm
	Thickness	Standard	0.5mm ~ 5mm
		Flipper	0.8mm ~ 3mm
	Max. Weight	Standard	4kg
		Flipper	2kg

Dimension



MIRTEC CO., LTD. [Headquarter]

SK Ventium 103-803, 166, Gosan-ro, Gunpo-si, Gyeonggi-do, 15850, Rep. of Korea

TEL : +82-31-202-5999 FAX : +82-31-202-5990

Sales / CS : +82-1544-1062