TECHNOLOGICALLY ADVANCED

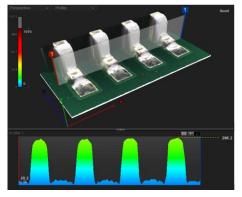
MV-3 OMNI Desktop 3D AOI

MIRTEC *CoayPress*

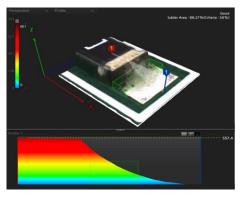


- FIFTEEN MEGA PIXEL CoaXPress Camera Technology
- Advanced Eight Phase Coaxial Color Lighting System
- Ten Micron / Pixel Precision Telecentric Compound Lens
- Integrated Ten Mega Pixel SIDE-VIEWER® Camera System
- Precision Closed Loop AC Servo Drive Motor System
- Extremely Simple Programming and Operation

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3D Co-Planarity Inspection - Gull Wing Device



3D Solder Fillet Inspection Capability

- Exclusive OMNI-VISION® 3D Inspection System
- Eight Projection DIGITAL MULTI-FREQUENCY MOIRÉ Technology
- Superior Lifted Lead Detection for Gull Wing Devices
- FULL 3D Co-Planarity and Solder Fillet Inspection Capability
- Superior Defect Detection, Absolute Lowest False Call Rate



MV 2 ONNI		PCB Size Range	
MV-3 OMNI	5	50 mm x 50 mm to 450 mm x 2	400 mm (2.0" x 2.0" to 17.72" x 15.75")
	Image T	Transfer Technology	
15 Mega Pixel 3,904 x 3,904 Pixels	CoaXpress		120 fps
	OMNI-VISI	ON [®] Inspection System	
3D Inspection Technology			equency Quad Moiré Technology
2D Inspection Technology	15 Mega Pixel CoaXPress Camera System		
Height Accuracy			3 um
Inspection Item	2D Inspection	Missing Component, Wrong Component, Mis-Alignment, Skewed Component Polarity, Tombstone, Bridge, Flipped, Solder Ball, Etc	
	3D Inspection	Component/Lead Length, Width, Height, Co-Planarity and Position. 3D Solde Inspection for Discrete and Leaded SMT Devices as well as QFNs and DFNs	
	Vision	System (FOV Size)	
	Option 1	Pixel Resolution:15 um	58.56 mm x 58.56 mm (2.31" x 2.31")
15 Mega Pixel Camera	Option 2	Pixel Resolution:10 um	39.04 mm x 39.04 mm (1.54" x 1.54")
		num Inspection Speed	2. 2
15 Mega Pixel Camera	Option 1	Pixel Resolution:15 um	10,716 mm ² /sec (16.6 in ² /sec)
	Option 2	Pixel Resolution:10 um	5,080 mm ² /sec (7.87 in ² /sec)
	3D Maxim	num Inspection Speed	
15 Mega Pixel Camera	Option 1	Pixel Resolution:15 um	4,260 mm ² /sec (6.6 in ² /sec)
	Option 2	Pixel Resolution:10 um	1,890 mm ² /sec (2.93 in ² /sec)
	Syste	em Specifications	
Lens Configuration	Precision Telecentric Compound Lens Design		
Lighting System SIDE-VIEWER® Camera System	Eight Phase Coaxial Color Lighting Quantity Four - 10 Mega Pixel Color Side Angle Cameras		
PCB Top Side Clearance	45 mm		
PCB Bottom Side Clearance	45 mm from bottom of PCB surface / 30 mm with PCB Support System		
Maximum PCB Warpage	±3 mm (Without PCB Support System)		
Barcode System (Option)	1D or 2D Barcode Reader		
Built-in SPC	Statistical Process Control Software (Local)		
Built-in Repair	Repair Plus Software (Local)		
OLTT (Option)	Off-Line Teach Tool Software		
Minimum Component Inspection	0402 Chip (mm) / 01005 Chip (in) / 0.3 Pitch (mm)		
Robot Positioning System	X/Y Axis		
	Resolution	1 um	
Power Requirements	Repeatability	Single Phase 200	±10 um 240V 50~60Hz; 1.1 KW
Air Requirements		N/A	
	ļ		
	Machine Dimensions	and Weight Including Wo	rktable
MV-3 OMNI	990 mm W x 1,43	0 mm D x 1,535 mm H (38.97	" x 56.30" x 60.43") 600 kg (1,322.8 lbs.)
			1429
-	990		
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