

Model 22XDL Desktop AOI System



M22XDL

- Automatic Optical Inspection of PCB's
- Inspects: – SMT & THT Components (presence, type, polarity, offset, text etc)
 - Reflow and Wave Solder Joints (including meniscus)
 - Solder Paste (2 dimensional)
- High Speed Digital XGA Colour Camera (CameraLink Interface)
- DOAL (Coaxial lighting using prism), Side and Main lighting using PWM LED's
- Telecentric lens for parallax reduction
- Analysis via Synthetic Imaging (colour), Greyscale and Histogram
- Imports PnP data and Gerber files
- Programmable with library or Golden Board
- Prototype mode for quick setup
- Automatic custom library generation
- Choose from different Resolution/Field of View combinations (resolution vs. speed)
- Available for medium and large PCB sizes
- 22X software for Desk-top and In-Line versions fully compatible

MODEL 22X DL

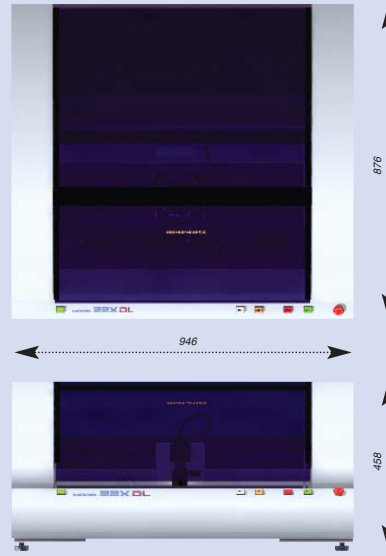
M22XDL-350

External size W765 x D760 x H398
Maximum PCB Size 350x250mm



M22XDL-460

External size W946 x D876 x H458
Maximum PCB Size 460x360mm



	M22XDL-350	M22XDL-460		
Characteristics	Product type	Automatic Optical Inspector		
	In-line/Off line	Off-Line		
	Camera movement	X Direction	X + Y Direction	
	PCB movement	Y Direction	Stationary	
	Parts inspection	Presence, Polarity, Offset, Correctness, Soldering		
	Printing/paste inspection	Offset, Smearing, Bridges, Uniformity		
	Distinction principle	Synthetic Imaging, Histogram analysis, Greyscale limits		
	Distinction parameters	Brightness, Hue, Saturation via Filters		
	Camera type	XGA CCD digital with Camera Link		
	Camera Field Of View/Resolution	32x24mm/25um or 25.6x19.2/20um or 16x12mm/12.5um		
	Lens	Telecentric lens with built in prism for DOAL Lighting		
	Lighting system	Omnidirectional Triple LED: Side, Main, DOAL (Diffused On Axis Lighting (Coaxial))		
	Specifications	Minimum inspection component size	01005" (0.4x0.2mm) (12.5um resolution)	
		Positioning accuracy	Pixel related feedback loop	
Component clearance (top)		40mm	40mm	
Component clearance (bottom)		35mm	70mm	
Maximum PCB Size		350x250mm	460x360mm	
Movement speed		600mm/s		
Inspection capacity		160 000 components/hr (typical excl board handling)		
Master pictures per library component		Up to 24 variations per library component		
Interfacing	Mains	100-240 Vac / 300W		
	Control PC type	Apple PowerMac Dual G5 with Mac OSX (not included)		
	Control interface	USB		
General	Data interface	Camera Link		
	Operating temperature	15-30 degr C		
	Operating humidity	15-80 % RH		
	Weight	51kg	89kg	

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Representative