

Model 22XCL In-Line AOI System

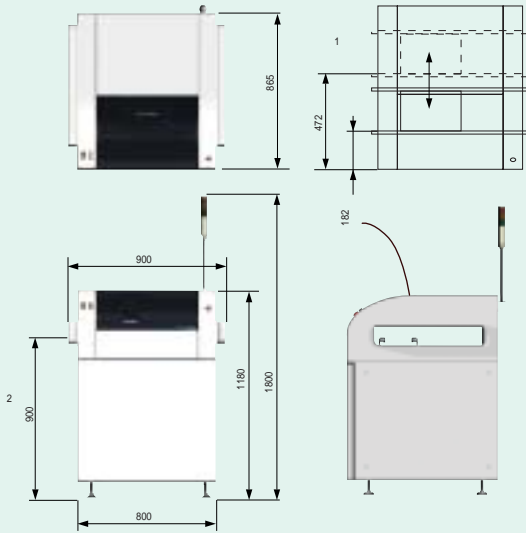


L22XCL

- Automatic Optical Inspection of PCB's
- Inspects: - SMT & THT Components (missing, type, polarity, offset etc)
 - Solder Joints (including meniscus)
 - Solder Paste (2 dimensional)
- High Speed Digital XGA Colour Camera (CameraLink Interface)
- Telecentric lens for parallax reduction
- Analysis via Synthetic Imaging & Histograms
- Programmable with Library or Golden Board
- Library for structured component data management
- Imports PnP data and Gerber files
- 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
- Speed gain approximately 200% compared to L22Xfv system (typical, 32x24mm FoV)

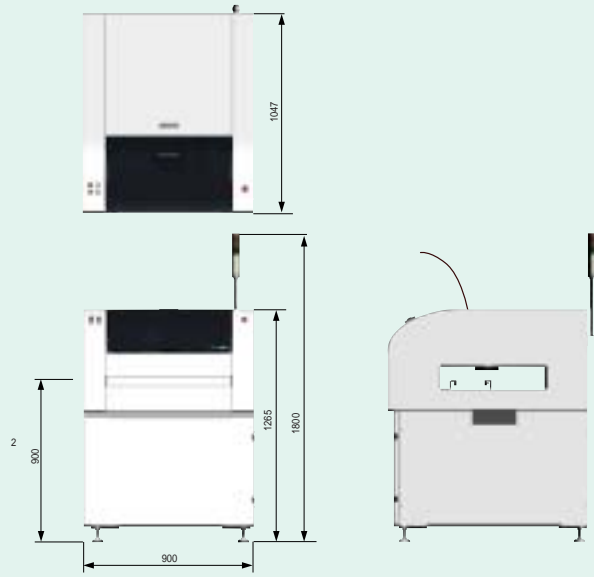
L22XCL-350

Maximum board size: 350 x 250 mm



L22XCL-520

Maximum board size: 520 x 460 mm



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LX350

	Specifications	L22XCL
Characteristics	In-line/Off-line	In-Line
	Camera movement	X + Y Direction
	PCB movement	Conveyer only
	Parts inspection	Presence, Polarity, Offset, Correctness, Soldering
	Printing/paste inspection	Offset, Smearing, Bridges, Uniformity
	Distinction principle	Synthetic Imaging and Histogram analysis
	Distinction parameters	Brightness, Hue, Saturation via Filters
	Camera type	XGA CCD digital with Camera Link
	Camera Field Of View/Resolution	32 x 24mm/25µm or 25.6 x 19.2/20µm or 16 x 12mm/12.5µm
	Lens	Telecentric lens
	Lighting system	FL ring light + LED ring light
	Minimum inspection component size	016008" (0.4x0.2mm) (@12.5µm resolution)
Specifications	Positioning accuracy	Pixel related feedback loop
	Component clearance (top)	20mm (Optional 35mm)
	Component clearance (bottom)	35mm
	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
	Mains	100-240 Vac / 700W
Conveyer	Conveyer belt speed	10-500mm/s
	Conveyer configuration	Left to Right, Front side fixed
	PCB Clamping	Automatic clamping motor
	Minimum board size	50x50mm
	Board thickness	0.6-2mm
	Communication interface	SMEMA
Interfacing	Control PC type	Apple PowerMac G5 with Mac OSX (not included)
	Control interface	USB
	Data interface	Camera Link
General	Operating temperature	15-30 degr C
	Operating humidity	15-80 % RH
	Weight	130kg (LX350), 250kg (LX520)

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