



KY8030-2

Dual Projection 3D In-line SPI for High-volume, Low-Mix Production

MODEL		KY8030-2P		
		M, L, XL, XS size		
		Production Model		
Requirements & Solutions		Requirements	Solutions	
		Shadow Problem	3D Shadow Free Moiré Technology & 4 Way Projection	
		Real-time PCB Warp Compensation	(2D) Pad Referencing	
		Operator User Friendliness	(3D) Multi Frequency Moiré Technology Touch Screen Operation(Optional), EasyUse	
Inspection Items	Measurement Capability	Volume, Area, Height, Offset, Bridging, Shape Deformity, Coplanarity		
	Inspection Task	Insufficient/Excessive/Missing Paste, Bridging, Shape Deformity, Paste Offset, Coplanarity		
Inspection Performance	Inspection Speed	15 μm^*	0.47 sec/FOV	
		20 μm^*	0.47 sec/FOV	
		25 μm^*	0.47 sec/FOV	
	Height Accuracy (on a KY Calibration Target)		2 μm (20 μm^* resolution)	
	01005 Capability	Gage R&R ($\pm 50\%$ tolerance)	< 10 % at 6 (on 01005 deposits)	
	Camera		4M Pixel	
	Z Resolution		0.37 μm	
	Volume Repeatability		< 1 % at 3 (on a KY Calibration Target), < 3% at 3 (on a PCB)	
	Min. Paste Deposit Size	15 μm^*	150 μm	5.91 mils
		20 μm^*	200 μm	7.87 mils
		25 μm^*	250 μm	9.84 mils
	FOV Size	15 μm^*	23.5 x 17.3 mm	0.93 x 0.68 inch
		20 μm^*	35.3 x 25.9 mm	1.39 x 1.02 inch
		25 μm^*	47.0 x 34.6 mm	1.85 x 1.36 inch
Max. Paste Size		10.0 x 10.0 mm	0.39 x 0.39 inch	
Max. Paste Height		400 μm	15.75 mils	
Min. Distance between Paste Deposit		100 μm (at 150 μm paste height)	3.94 mils (at 5.91 mils paste height)	
PCB Color Sensivity		None		
PCB Handling	Conveyor Width Adjustment		Automatic	
	Conveyor Fix Type		Front/Rear Fixed (Factory Setting)	
	PCB Thickness	M	0.4-4.0 mm	0.016-0.16 inch
		L	0.4-5.0 mm	0.016-0.20 inch
		XL	0.5 - 8mm	0.020-0.31 inch
		XS	0.5 - 8mm	0.020-0.31 inch
	Max. PCB Weight	M	1.0 kg	2.2 lbs
		L	2.0 kg	4.4 lbs
		XL	10 kg	22.1 lbs
		XS	10 kg	22.1 lbs
	Max. PCB Size	M	330 x 250 mm	12.99 x 9.84 inch
L		510 x 510 mm	20.08 x 20.08 inch	
XL		810 x 610 mm	31.89 x 24.02 inch	
XS		690 x 610 mm	27.17 x 24.02 inch	
Min. PCB Size		50 x 50 mm	1.97 x 1.97 inch	
Software	Inspection Program Generation		Import GERBER Data (274X, 274D) / ODB++ (Optional)	
	Statistical Analysis Tool		SPC Plus - Histogram, Xbar&R Chart, Xbar&S Chart, Cp&Cpk, %Gage R&R - Real Time SPC & Multiple Display - SPC Alarm - Automatic Report from Remote Computer	
	User Friendliness		Size Dependant Library for Inspection Condition Setting User Defined Process Stop by Software	
	Operating system		Windows XP Professional	
Installation Specification	Machine Weight	M	500 kg	1102 lbs
		L	550 kg	1213 lbs
		XL	850 kg	1874 lbs
		XS	850 kg	1874 lbs
	Machine size	M	800 x 907 x 1573 mm	
		L	1000 x 1203 x 1572mm	
		XL	1310 x 1524 x 1636 mm	
Bottom Side Clearance		30 mm	1.18 inch	
Electrical Supply		200-240 VAC, 50/60 Hz Single Phase		
Air Supply		5 kgf/cm ²		
Options	Off-Line Programming Station			
	HDD Raid 1 (Mirrored)			
	Off-line SPC & Defect Review Station			
	Certified Calibration Target			
	UPS			
	2D RGB Righting			
	Multi-line Monitoring			
	ODB++ File Conversation			
	Barcode Reader (1D/2D)			
	Closed Loop			