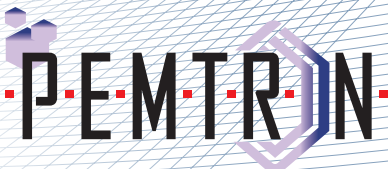


Color 3D SPI TROI-7700E Series

3D Inline Solder Paste Inspection System



TROI™ Series (Solder Paste Inspection System)

SPECIFICATIONS

Model		TROI-7700E	TROI-7700EL
2D/3D Vision Algorithm		2D : Vision Inspection Algorithm 3D : PMP (Phase Measuring Profilometry) Algorithm	
Measurements		Volume, Height, XY Position, Area	
Detection Types		Insufficient Paste, Excessive Paste, Shape Deformity No Paste, Bridge 2D&3D, Paste Displacement	
X/Y Pixel Resolution		10 μm	15 μm 18 μm
Inspection Speed		12.8 cm^2/sec	30.7 cm^2/sec 42.8 cm^2/sec
FOV (Field of View)		20.5 x 20.5 mm	30.7 x 30.7 mm 36 x 36 mm
Height Range / Resolution		0 ~ 450 μm / 0.4 μm	
Height Repeatability		$\pm 1\%$ (3 σ)*	
Volume Repeatability		$\pm 1\%$ (3 σ)*	
Height Accuracy		2 μm *	
Max. PCB Warp		± 5 mm	
Gage R&R		< 10%*	
Ball screw		± 10 μm	
PCB Specification	Working Area	Min. 50x50mm (2x2inch) Max. 330x330mm (13x13inch)	Min. 50x50mm (2x2inch) Max. 510x510mm (20x20inch)
	PCB Thickness	0.4 – 7.0 mm	
	Bottom Clearance	27mm	
	Electrical Requirements	200 – 240 VAC, 50/60 Hz	
Installation Requirement	Air Requirement	5 Kgf/ cm^2	
	Power Consumption	Standard Type 3kW (14.0A Max @ 220V AC)	6.5kW (23.0A Max @ 220V AC)
		Large Type 4.5kW (30.0A Max @ 220V AC)	7kW (25.0A Max @ 220V AC)
Control Unit	Control Method	PC Based Control (Windows 7, 64bit)	
	Monitor	24" LED Panel	
Operating	Operating Temperature	20 - 30 $^{\circ}\text{C}$ (68 – 86 $^{\circ}\text{F}$)	
Machine Dimension	W x D X H	990 x 1660 x 1550mm (39 x 65 x 61 inch)	1190X1800X1550mm (47X71X61 inch)
	/Weight	/ About 700kg (1543 lbs)	/ About 850kg (1873 lbs)
Options		Barcode Reader (1D&2D) / Touch Panel / UPS (uninterrupted power supply) / Close Loop / Bad Mark Sync	

* Specifications subject to change without notice.

