

Inline PCBA 3D THT Solder AOI

AIS 330-HW



Configuration

Category	Item	Inline PCBA 3D THT Solder AOI (Bottom Camera) AIS330-HW
PCBA	Dimension	3-section track: 50*50mm ~ 350*460mm 1-section track: 50*50mm ~ 430*460mm
	Thickness	0.5mm-8mm
	Height Clearance	900mm
	Max weight	Roller tack [Payload≤20KG]
	Max Component Height	Top: 75mm-110mm. Bottom: 50mm
	Edge Clearance	3mm
Vision Module	Camera	12MP Color high speed camera
	Light Source	WRGBW+4 projects
	FOV	15um:60*45mm; 10um:40*30mm(Option)
	Resolution	15um; 10um(Option)
	Speed	0.58sec/FOV
Inspection	Solder Inspection	Excessive, Insufficient, Bridging, No Pin, Cold Solder, Solder Hole, and Solder Ball, Pin length, etc.
	Main Algorithm	AI Algorithm Mainly: AI Solder Algorithm, AI Solder Hole Algorithm, AI Bridging Algorithm and AI No Pin Algorithm, AI Missing Algorithm, etc.
	Multi-Scene Inspection	Support Auto Change Program, mixed board and multi-panel mode
Programming	Programming Method	AI one-click programming: Auto-drawing detection box for trained parts. Intelligently analyze NG to configure the required algorithm and related parameters. Non-required manual framing or adjusting color and parameters.
	In-line on fly programming and finetuning	Feature allow users perform programming , components changes or parameters updates without stop or distract the active production line.
	2D Offline Programming PC	Supports remote programming or adjustment to update to AOI in real time. Do not need to cross production lines or floors to operate AOI one by one. Not restricted by time and space with higher work efficiency.(Option)
Other Features	Barcode Identification	1D / 2D barcode & QR Code identification (5*5mm above)
	Statistical Data Analysis	Software solution to display AOI inspection record, analysis, graph and chart plotting. Extract data summary in excel or .csv file format.
Hardware	Industrial Computer	CPU: intel i7 Graphics: Nvidia GTX3060 Memory: 64G DDR4 Storage: 256G SSD+6T机械硬盘 Network: 1000M network
	Display	23.8寸 FHD
	Operating System	Ubuntu 18.04 LTS 64bit
	Communication	Standard SMEMA interface
	Width Adjustment	Manual/automatic.
	Motion Structure	High precision screw + servo motor
	Dimension and Weight	(L*H*W) 1204*1642*1535mm (900mm conveyor height. Tower light excluded), 1000Kg
	Power Supply and Power	AC 220V, Rate power 500W
	Air	0.4-0.6Mpa
	Environmental Requirements	Temperature: 10~45°C. Humidity: 30~85%RH

*Product specifications will be updated iteratively, the above parameters are for reference only