



AV880 Series

Automatic Optical Inspection Machine



Precise
Efficient
User Friendly

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AV880 Series Off Line AOI Machine

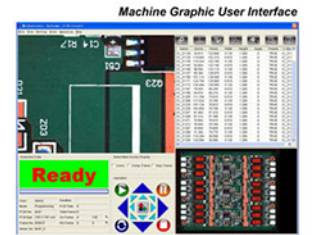
AV880 Series have been enhanced with Image Base and Algorithm Analysis for more precise inspection. Improved structure and hardware for operation stability, speed, user friendly, quality control and productivity.

Machine Characteristics

Graphic User Interface, Simple Programming, Optimized Learning Mode, Real Time 'NG' Verification

Functions

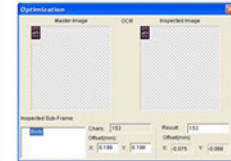
- Programming By CPL Data
- Realtime Process Control
- Bad Board Auto Skip
- Program Optimization
- Multi Master Images
- OCR Recognition
- Component Data Export
- SPC and Image Export
- Barcode Reader (Optional)
- Rework Station (Optional)



Program Optimization



OCR Recognition



Data, Image Export

- Tools
- Operation
- Help
- Export Image
- Export Data
- Paintbrush (1)
- Notepad (2)
- Calculator (3)



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Realtime Inspection Result

System instantly displays realtime 'NG' Data for verification.

Performance

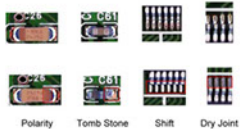
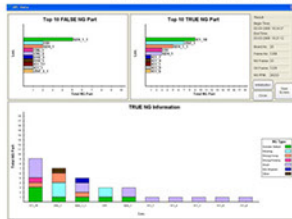
- Realtime Inspection Verification
- Stable PCB Holding Fixture
- Fast Tact Time
- Graphic User Interface
- Simple Programming
- Optimized Learning Mode
- Stable Structure
- Safety Light Curtain
- Minimum False 'NG' Detection
- Near 'Zero' Escape or Leak



Programming by Mounter Data



Statistical Process Control Data



MECHATRONIC SYSTEMS
Inspection Made Easy

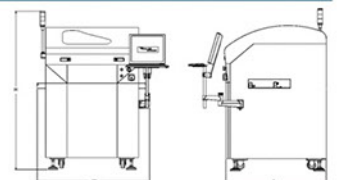


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AV880 Off Line AOI Machine

Specification

Application		
For Inspection	SMT Components and Solder conditions	
Imaging Technology		
Camera	Industrial CCD Camera 1.3M-pixel	
Field of View	12 x 16mm / 15 x 19mm / 24 x 32mm	
Image Resolution	15um / 25um. (01005/Metrix 0.4 x 0.2mm)	
Lighting	Multi-Layers, Multi Color High Intensity LED	
Software		
Interface	Graphical Display	
Language	English and Chinese	
Analysis Method	Image Based with Algorithm Analysis	
Inspection Techniques	Auto Learning with Statistical Modeling Technology	
Programming Method	CAD Import, Board Copy or Manual	
Character Recognition	Optical Character Recognition (OCR)	
Monitor and Reports	Statistical Process Control, 'NG' Statistical Analysis	
'NG' Confirmation	Verification Station	
Computer	CPU P4, Duo Core, 1GB, 320GB	
System Specification		
Inspection Speed	40cm ² /Sec	
Motion Max. Speed	700mm/Sec, Servo Motor	
Component Height	Top: 30mm Bottom: 50mm	
Electrical Power	220VAC, 1ph, 50/60Hz, 1.0Kw	
Operation Environment	Temperature: 10°~40°C, Humidity: 30 ~ 80%RH	
Optional	Hand Held Barcode Reader, Rework Station	
AV880 Range of Products		
	S Size	L Size
Machine Specification	Standard	Large
PCB Size (mm)	250 x 330mm	300 x 400mm
Machine Size (cm)	100(L) x 100(W) x 160(H)	100(L) x 115(W) x 160(H)
Weight (Kgs)	500Kgs	550Kgs
Machine Dimension		



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The above specification may change without notice.
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