



AV 862 Series

Automatic Optical Inspection Machine



*Precise
Efficient
User Friendly*

AV 862 Series Off Line AOI Machine

AV 862 Series has been enhanced with Image Based 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

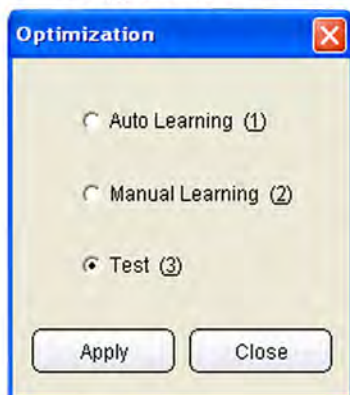
Functions

- 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)

Machine Graphic User Interface



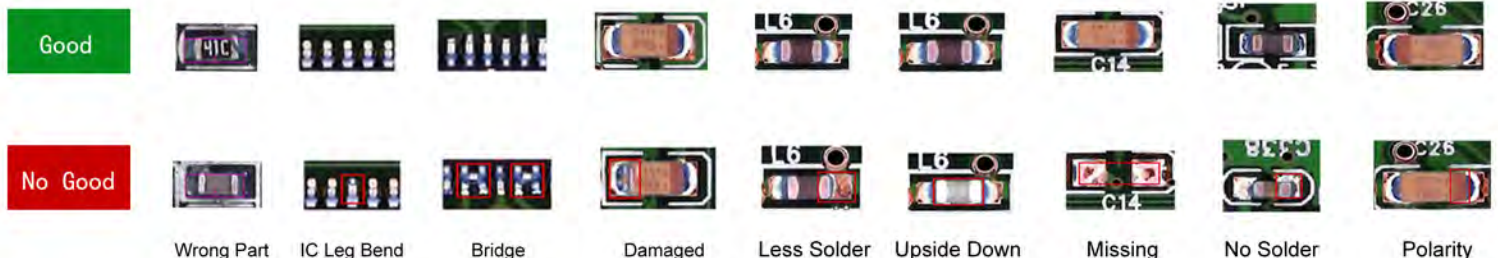
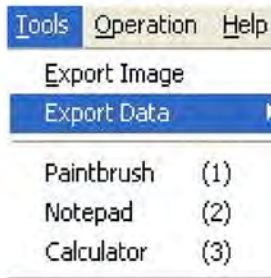
Program Optimization



OCR Recognition



Data, Image Export



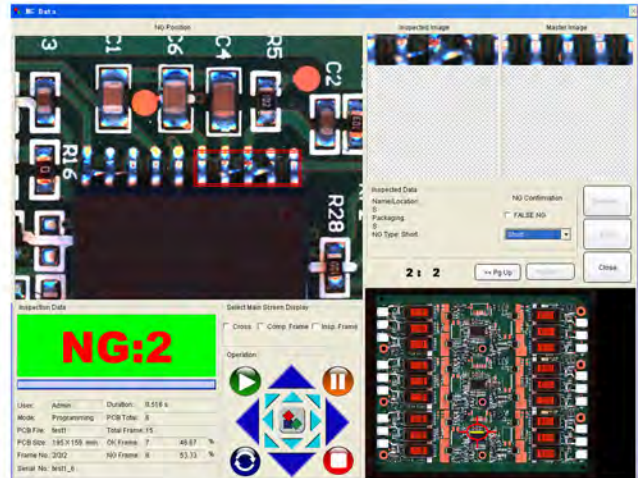
Realtime Inspection Result

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

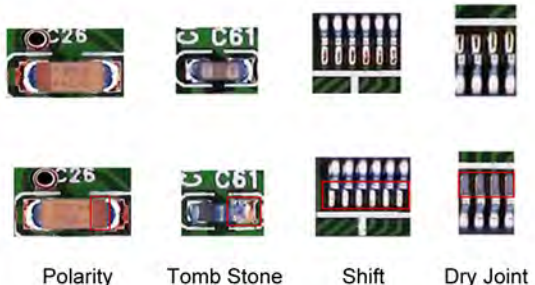
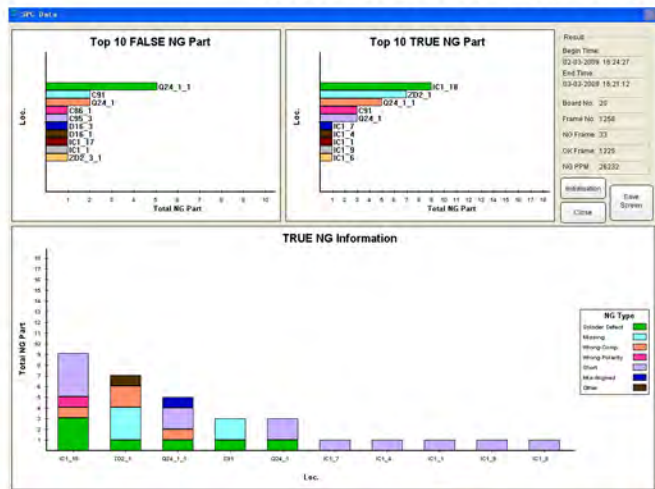
NG Data



Programming by CPL Data

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
1	10.374	104.076	90	1	
1_28	10.234	104.046	90	1_28	
1_29	10.884	104.046	90	1_29	
1_30	10.234	104.046	90	1_30	
1_31	10.884	104.046	90	1_31	
1_32	10.884	104.046	90	1_32	
1_33	10.884	104.046	90	1_33	
1_34	10.884	104.046	90	1_34	
1_35	10.884	104.046	90	1_35	
1_36	10.884	104.046	90	1_36	
1_37	10.884	104.046	90	1_37	
1_38	10.884	104.046	90	1_38	
1_39	10.884	104.046	90	1_39	
1_40	10.884	104.046	90	1_40	
1_41	10.884	104.046	90	1_41	
1_42	10.884	104.046	90	1_42	
1_43	10.884	104.046	90	1_43	
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1_57	10.884	104.046	90	1_57	
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1_59	10.884	104.046	90	1_59	
1_60	10.884	104.046	90	1_60	
1_61	10.884	104.046	90	1_61	
1_62	10.884	104.046	90	1_62	

Statistical Process Control Data



ASC INTERNATIONAL
Inspection Made Easy



AV 862 Off Line AOI Machine

Specification

Application

For Inspection SMT Components and Solder conditions

Imaging Technology

Camera Industrial CCD Camera 0.3M / 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

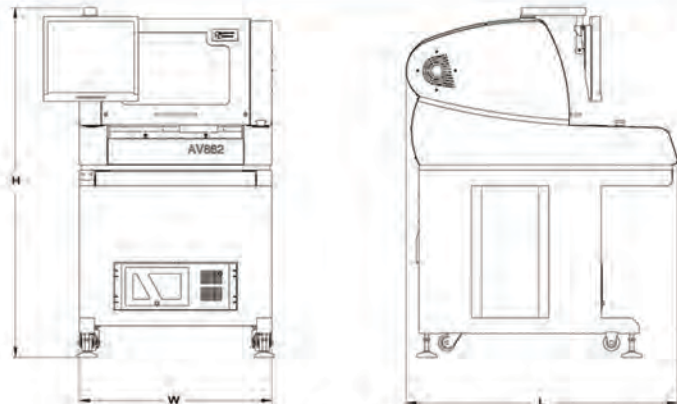
Interface Graphical Display
 Language English and Chinese
 Analysis Method Image Based with Algorithm Analysis
 Inspection Techniques Auto Learning with Statistical Modeling Technology
 Programming Method CAD Import, Board Copy or Manual
 Character Recognition Optical Character Recognition (OCR)
 Monitor and Reports Statistical Process Control, 'NG' Statistical Analysis
 'NG' Confirmation Verification Station
 Computer CPU P4, Duo Core, 1GB, 160GB

System Specification

Inspection Speed 40cm² /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

AV 862 Range of Products	M Size	L Size
Machine Specification	Standard	Large
PCB Size (mm)	350 x 450mm	560 x 660mm
Machine Size (cm)	108(L)×76(W)×138(H)	133(L)×100(W)×148(H)
Weight (Kgs)	250Kgs	450Kgs

Machine Dimension



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The above specification may change without notice.