



**Bluiris**  
蓝眼科技

## Auto Feeding & Inspection System AFS-900



One-stop feeding & inspection solution for SMT manufacture

## Product description

The automation of SMT industry has evolved continuously ,however,not much progress has been made with regard to Error blocking on changing SMT component reels/employee outflow/Low pass rate with manual splicing,Moreover with the gradual integration of electronic components,Ultra small materials are used more extensively,conventional quality inspection approaches can not satisfy the demand.The world's first BLUIRIS AFS-900 Machine has been developed as a solution to the challenge,it helps to improve outgoing quality,satisfy management via information system,achieve higher productivity and reduce operating cost.

- PRODUCT BENEFITS:**
- 1.Real time error blocking when SMT feeding
  - 2.Increase productivity
  - 3.Reduce labor cost
  - 4.Auto Measure and Judge
  - 5.Improve quality
  - 6.Standardize the strict process
  - 7.Accurate traceability
  - 8.Satisfy splicing reliability
  - 9.Validation function available in both stand-alone and online mode
  - 10.Save components by unique vision inspection technology

### ■ 1. Intelligent recognition for both tape and component:

Size and specification determination,Empty –Pocket detection, Pitch matching,Precise cutting,done by machine automatically to realize error proofing.

### ■ 2. Auto Measurement:

8mm(Paper and Plastic applicable)

### ■ 3.Auto Tape splicing:

Dedicated 8mm carrier tape splicing ,First Pass Yield at 99.5% or above.

### ■ 4. Multiple Function:

Splicing Mode;  
Measuring Mode;  
Measuring &Splicing Mode;

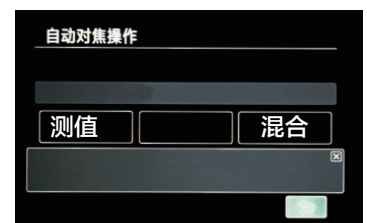
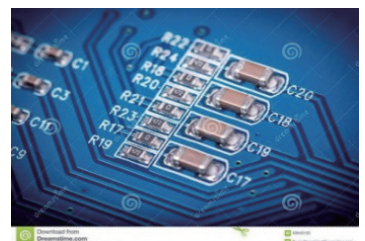
### ■ 5. Error proofing system via Multiple Bar code Verification:

(Machine/Table /Station/Feeder /Old Reel/New Reel/Employee Badge etc) as perfect guarantee.

### ■ 6. Capable for MES integration(Optional), connectivity via Wi-Fi for managing the operation systematically and integrating traceability information, More Intelligent.

### ■ 7. Mobile operation for flexible deployment on SMT lines.

### ■ 8. Intuitive and easy to use ,operator can handle the machine in 30mins' training.



## AFS-900 Specifications



### Camera Parameters

Power: DC24V

Illuminant: LED

Resolution: 1.3 Mega pixels+5 Mega pixels

### Battery Parameters

Power Supply: DC24V, 60AH

Power Adapter: AC220V, 10A

### Barcode scanner

Model: QR Code DS2278 Or  
Barcode LI4278

Power: 5.2V-1.1A

### Basic Info

Product: Auto Feeding & Inspection System

Model: AFS-900

Color: Gray & White

Machine size: 560(L)\*557(W)\*1320(H) mm

Weight: 130 KG

Environment : Temperature:10 ~ 35℃;  
Humidity:20% ~ 80%

### Computer Parameters

Operation System: WIN7/WIN10

Memory: 8G

Hard Disk: SSD 256G/512G

Monitor: 10.1 inch capacitive touch screen

### LCR Meter Parameters

Model: BLUIRIS 6230D

Power Supply: DC 24V ( ± 10% )

Test frequency Range: 20Hz ~ 300kHz

R/C Minimum: R 0.1Ω; C 0.1pf

Test Accuracy: 0.05%

Measurement L 0.01nH ~ 9.9999kH  
display range : C 0.00001pF ~ 9.9999F  
R 0.01mΩ ~ 19.999MΩ

Communication Interface: RS-232C

### System Parameter

Worktable height: 900mm ± 50mm

Tape: 8mm(Paper and Plastic applicable)

Test component: 01005/0201/0402/0603/  
0805/1206(1210) (Paper/Plastic 5 probes  
are installed in the machine)

Test Accuracy: 0.05%

Silkscreen comparison: Yes

Operating Voltage: DC24V

Low Power Alarm: < 30%

## Some partners



BYD



Desaysv



LONGCHEER

Longcheer



LENS



DBG



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Edifier



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ZOWEE



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