



AFS-800  
SMT Smart Auto Inspection & Feeding System



Pioneering SMT Auto Inspection & Feeding Solution Provider

## BACKGROUND AND PRODUCT OVERVIEW

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 – 800 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.

AFS – 800 Machine's Operation is intuitive , highly automated & minimal manual intervention required, can deliver :Barcode error proofing, Empty -Pocket detection, Size and specification determination, Pitch matching, Accurate measurement, Precise cutting, Automatic splicing , Auto generate report saved in the local database or upload to clients' MES (Manufacturing Execution System).

### PRODUCT BENEFITS:

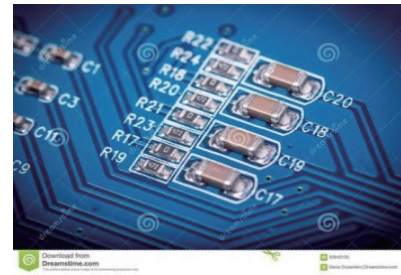
1. Real time error blocking when SMT feeding
2. Increase productivity
3. Reduce labor cost
4. Auto Measure and Judge
5. Improve quality
6. Standardize the strict process
7. Accurate traceability
8. Satisfy splicing reliability
9. Validation function available in both stand-alone and online mode
10. Save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

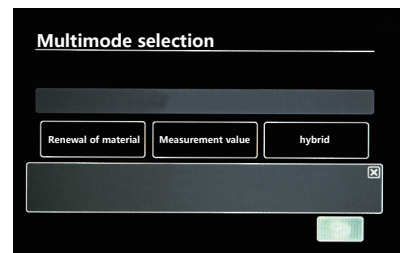


- 2. Auto Measurement  
For 01005 0201 0402 0603 0805 1206



- 3. Auto Tape splicing  
Dedicated 8mm carrier tape splicing ,  
First Pass Yield at 99.9% or above

- 4. Multifunctional Mode as option  
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 LAN /Wi-Fi for managing the operation systematically and integrating traceability information, More Intelligent

- 7. Light facilitate movement for flexible deployment on SMT lines



- 8. Intuitive and easy to use ,operator can handle the machine under 30mins' training .

## PHYSICAL CHARACTERISTICS



Machine Dimension : L560mm\*W557mm\*H1320mm

Operation Height : 887mm

Weight : 150KG

Carrier Tape : 8mm(Paper/Plastic)

Measuring Scale : 01005/0201/0402/0603/0805/1206

Rated Working Voltage:DC 24V

Charging : AC 220V-10A

Low voltage warning : < 30%

PC : Industrial control all in one machine

LCR Testing Frequency : 20Hz-300KHz

Testing Accuracy : 0.05%



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