

## FS700 series automatic dispensing equipment power battery FPC and MiniLED SMT DAM&FIII MiniLED Dispensing

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: MingSeal
- Certification: ISO
- Model Number: FS700F
- Minimum Order Quantity: 1
- Price: \$28000-\$150000
- Packaging Details: WOODEN
- Delivery Time: 5-60 days
- Payment Terms: L/C, T/T, D/A, D/P, MoneyGram, Western Union

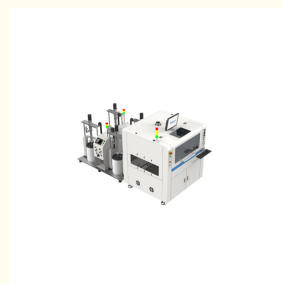
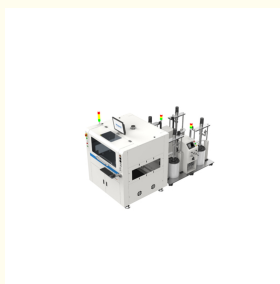
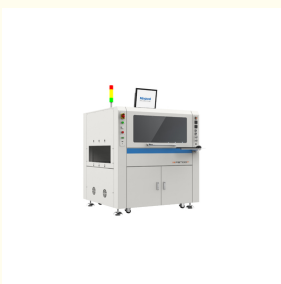


### Product Specification

- Condition: New
- Warranty: One Year Limited Warranty With Lifetime Support
- After-sales Service Provided: Engineers Available To Service Machinery Overseas, Online Support, Video Technical Support, No Overseas Service Provided, Free Spare Parts
- Product Name: FS700F Online Visual Dispensing Machine
- Dimensions (W x D x H): 1360 x 1280 x 1550 Mm
- Dispensing Range (W x D) 900 x 600 Mm (Single Valve Vertical Dispensing):
- Input Voltage: 220V AC 50±Hz
- Highlight: Surface Mount smt placement equipment, BGA smt placement equipment, BGA surface mount placement machine



### More Images



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## Product Description

### FS700 series automatic dispensing equipment

FS700 series automatic dispensing equipment is a high-speed and high-precision online dispensing system which is developed based on the size requirements of large products such as power battery FPC and MiniLED.

The system can be provided with double-valve synchronization / double-valve asynchronization configurations, etc. to greatly improve the operation efficiency. It is mainly used in processes such as NTC encapsulation, MiniLED dispensing, Dam & Fill, Flip-chip and BGA underfill.

#### Features and Advantages

##### Stable equipment operation

**Good shock absorption with mineral frame structure pioneering in the industry to effectively reduce the impact caused by high-speed equipment operation.**

##### Production Information Management

Real-time production status information uploading and MES system docking.

##### Achievement of High-Efficiency and High-Speed Precise Dispensing

Optional double-valve synchronization / double-valve asynchronization module to improve the dispensing efficiency.

Grating ruler positioning and combination of linear motor and servo motor.

##### Online High-Compatibility Equipment

Adjustable track width, connectable, compatible with products of different sizes and specifications, and possible connection of multiple sets.

Compatible with Max. 1500×500mm carrier plate conveying.

2000×500mm product operation can be achieved by two pieces of equipment.

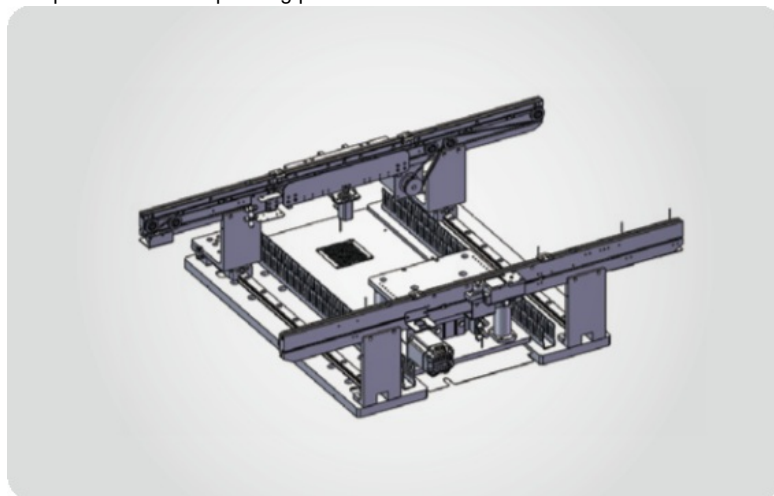
#### Special Process Modules



##### Double-Valve Asynchronization Module

Double valves do not work at the same time

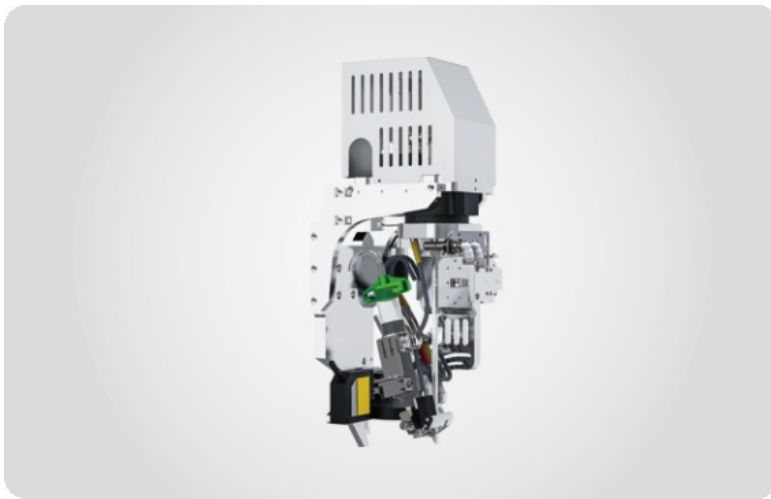
Completion of two dispensing processes in the same machine



##### Double-Valve Module

Double valves work at the same time (fixed distance between double valves)

Improvement of production efficiency



#### Double-Valve Synchronization Module

Double valves work at the same time (double heads with position compensation function)

Improvement of production efficiency

#### Typical Applications

FPC Component Encapsulation

SMT Component Dispensing Protection

Dam & Fill Process for MiniLED Dispensing

Flip-Chip and BGA Underfill

#### Optional Configurations

Low Level Detection and Alarm

Laser Altimetry System

Double-Valve (Synchronization / Asynchronization)

Automatic Loading & Unloading

Piezoelectric Jetting Valve

360° Rotation Dispensing Module

Weighing Module

Ultra-Precision Dispensing Controller

Tilting & Rotation Dispensing Module

#### Technical Specifications

Model	FS700F
Structure	Floor-mounted gantry(marble frame +mobile gantry )
Transmission Method X/ Y axis	X/ Y:Linear motor + Raster Ruler Z: Servo motor+ Screw module
Number of Axis	3 axis
Dimensions (W× D× H)	1360 × 1280 × 1550 mm
Dispensing Range ( W× D) ( Single valve vertical dispensing)	900 × 600 mm
Max. Speed X/ Y/ Z axis	X/ Y:1300 mm/ s Z: 500 mm/ s
Max. Accelerated Velocity X/ Y/ Z axis	X/ Y:1 . 3 g Z:0 . 5 g
Repeatability (3 sigma)	X/ Y: ± 0 . 015 mm Z: ± 0 . 005 mm
Positioning Accuracy (3 sigma)	X/ Y: ± 0 . 03 mm Z: ± 0 . 01 mm
Track Width Adjustment Method	Automatic width adjustment
Track width adjustment range	150 ~ 500 mm
Z axis Load	5kg
Conveyor Belt Load	5kg
Max. Substrate Thickness	0 . 5 ~ 10 mm
Max. Height of Devices on Top of PCB	25 mm
Max. Height of Devices on Bottom of PCB	25 mm
Conveyor Track	Stainless steel chains
Camera Pixels (Optional)	130 W black & white (Optional)

Light Source	RGB colored Light source (Optional)
Operating System	Win 10 64-bit system,FS 700 Dispensing Operating System
Input Voltage	220 V AC 50 ± Hz
Power	3 . 5 KW



**Mingseal** **Changzhou Mingseal Robot Technology Co., Ltd.**  
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