



FS700 series Online Visual automatic Dispensing Machine FPC SMT Dam&Fill MiniLED Flip-chip BGA Underfill

Our Product Introduction

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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

- Dispensing Scope: 300/300/50ml
- Standard: ROHS/SGS
- Spit Outlet: Spit Outlet
- Load Capacity: 600KG
- Automatic Grade: Automatic
- Flow Rate: 20~500 M3/hour
- Total Thickness: 40-65mic
- Power Consumption: 500W
- Function Mode: Manual Mode, 16 Kinds Of Custom Mode
- Dimensions: 500mm X 500mm X 800mm
- Use: Carton Sealing
- Mini Dispensing Rate: 0.0001ml
- Accuracy: +/- 0.01mm
- Construction: Top Inlet Bag Filter Housing
- Input Power: AC110-220V



More Images



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.

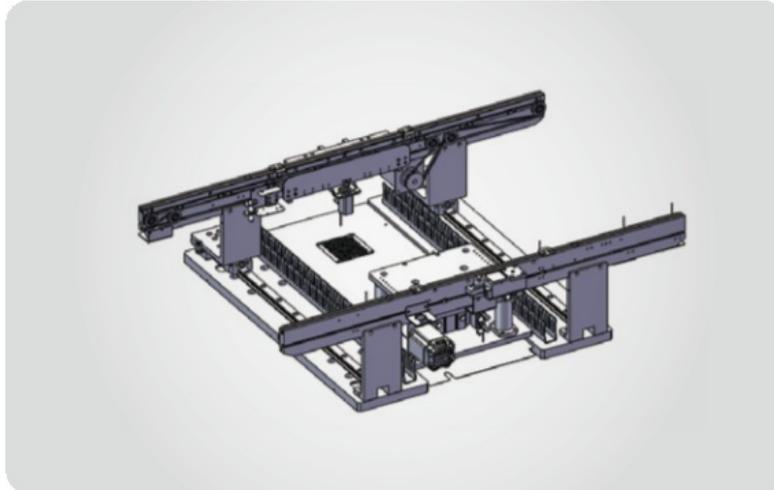
Special Process Modules



Double-Valve Asynchronization Module

Double valves do not work at the same time

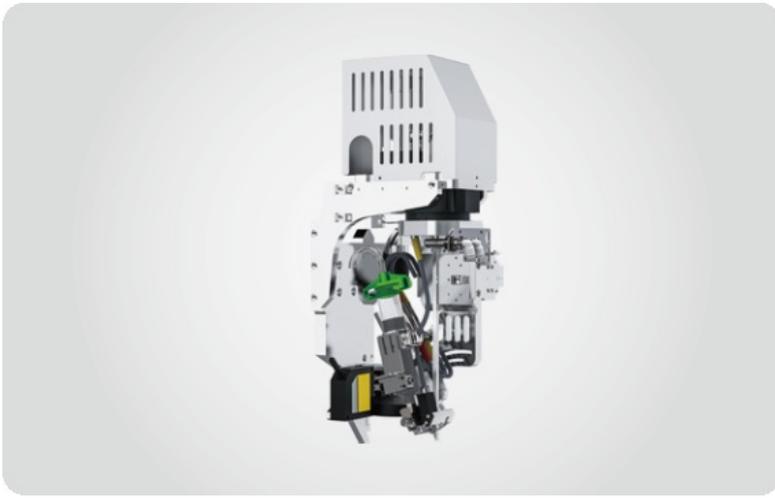
Completion of two dispensing processes in the same machine



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

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



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