



## High Precision CCM / VCM Dispensing Machine Dual Head Automated System For Manufacturing

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Mingseal
- Certification: ISO CE
- Model Number: FS200A
- Minimum Order Quantity: 1
- Price: \$28000-\$150000
- Packaging Details: Wooden Box
- Delivery Time: 5-60days
- Payment Terms: L/C,D/A,D/P,T/T,Western Union,MoneyGram



### Product Specification

- Application Fields: CCM,VCM,FPC,MiniLED And SMT
- Highlight: Automated System CCM Dispensing Machine, High Precision CCM Dispensing Machine, Dual Head CCM Dispensing Machine



### More Images



### Product Description

The FS200A online visual dispensing machine is a kind of multi-head, high-speed, high-precision and cost-effective online dispensing equipment which is developed based on the needs of industries such as CCM/VCM modules for consumer precision electronics. The equipment integrates a number of core dispensing technologies and has rich configurations to meet the requirements of high-precision encapsulation, Dam&Fill, bonding, reinforcement and other dispensing processes under complex working conditions.

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## Features and Advantages

### ◆ Yield improvement

Glue shape AOI after dispensing operation as well as 3D contour inspection with 3D vision ( optional ) to achieve multiple fool proof.

### ◆ Automation improvement

Optional inline mode to minimize manual intervention.

### ◆ Prevention of whole line downtime

The operation tracks/conveyor tracks are separated, so that shutdown of a single machine does not affect the operation of the whole line.

### ◆ Stable equipment operation

Good shock absorption with one-piece cast mineral frame structure pioneering in the industry to effectively reduce the impact and vibration caused by the high-speed operation of the equipment and ensure the long-term operation stability of the equipment.

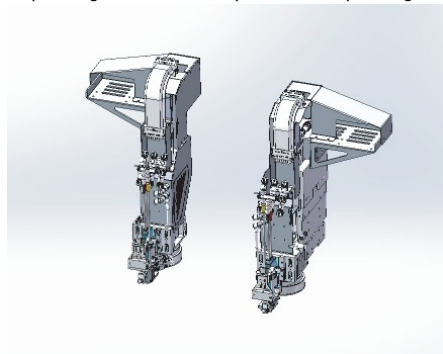
## Application Fields

CCM  
VCM  
FPC  
MiniLED  
SMT

## Core Modules

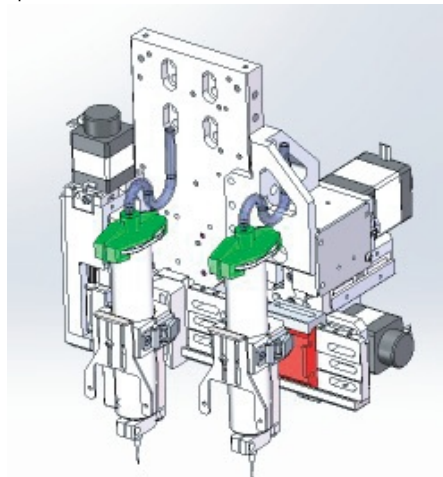
### Independent Modules for Double Valves

The independent modules for double valves can achieve completely independent operation, and are suitable for more dispensing scenarios to improve the dispensing efficiency.



### Double-Valve Solder Paste Dispensing Module

Synchronized control of double valves to achieve more efficient operation. The independent modules for double valves can be provided with two sets of double-valve solder paste dispensing modules respectively to achieve four-valve synchronous dispensing and more efficient operation.



## Technical Specifications

Application Fields	CCM, VCM, FPC, MiniLED and SMT
Applicable processes	Underfill, SMD encapsulation, PUR glue dispensing for middle bezel, Dam&Fill, FPC component reinforcement gluing, vent gluing, dust-catching gluing, metal dome gluing, solder paste dispensing and chip coating

Motion system	Transmission composition	X/Y linear motor/Z servo motor&screw module grating ruler resolution:0.5μm	
	Maximum dispensing operation range	X*Y:330*205mm/330*170mm(single-track/double-track)	
	Effective stroke	X*Y:600*700mm	
	Repetitive positioning accuracy(3sigma)	X/Y:≤±10μm;Z:≤±10μm	
	Positioning accuracy	X/Y:≤±15μm;Z:≤±15μm	
	Maximum motion speed	X/V:1300mm/s;Z:500mm/s	
	Maximum acceleration	X/Y:1.3g;Z:0.5g	
	Positioning accuracy of double-valve module	W-axis:≤0.025mm;U-axis:≤0.025mm	
	Compatibility	Dark-colored objects can be detected,but the glass surface can't be detected	
Vision system	Visual positioning mode	Mark/product appearance feature	
	Maximum view field of camera	25.4*25.4mm	
	Fly-shooting positioning	Max:300mm/s	
Correction system	Laser calibration module	Measurement range:±5mm;repeatability:1μm;sampling frequency:1000Hz	
	Glue weight deviation	Weighing is performed once every board of products;glue weight deviation:≤±5%	
	Four-point correction module before dispensing	Inspection before operation:For the dispensing status such as shape,glue point coordinates and other parameters,four-point correction is performed by means of vision algorithm.If the set value is not met,an alarm prompt will be activated automatically	
Track system	Number of tracks	Single-track/double-track(optional)	
	Track parallelism	Widest and narrowest parts:<0.1mm	
	Track width adjustment range	40-205mm	
	Carrier plate working flatness	≤0.01mm	

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