

Automatic Multi-Color Dispensing Machine for Badges and Signs

This automatic dispensing machine applies paints or adhesives in multiple colors to metal signs and badges. The integrated vision system ensures accurate alignment and consistent dispensing.



Overview

Precision Dispensing Solution

This automatic multi-color dispensing machine is engineered for high-precision paint and adhesive application on metal signs and badges. Featuring an advanced vision system and servo-driven mechanics, it ensures consistent, high-speed dispensing with micron-level accuracy. Designed for efficiency, it supports up to six colors and is built for reliable, long-term operation in mass production environments.

Performance Metrics

Key Performance Metrics

200 spots/sec

Dispensing Speed

50 m/min

Max Movement Speed

0.01 mm

XYZ Precision

Technical Specifications

Supported Colors

- 1
- 2
- 3
- 4
- 5
- 6

Camera Resolution Options	12MP, 20MP
Drive System	Servo + Screw
Painting Method	Spray Jet

Physical Dimensions

Worktable Size	300mm x 400mm
XYZ Working Stroke	1020mm x 325mm x 46mm
Machine Dimensions	1480mm x 1370mm x 1720mm
Total Weight	750 kg

Power Requirements

Power Rating	1.5 kW
Power Supply	AC220V / 50Hz