

Automated Stator Varnishing Machine

This automated system offers adaptable clamping, temperature control, and precise nozzle positioning. Cycle time, varnishing accuracy, and epoxy coating integration can be customized for specific production needs.



Overview

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This automated system is designed for high-efficiency resin application on electric motor stator copper coils. Utilizing a servo-driven trickling module and high-accuracy weighing scales, it ensures precise insulation application while maintaining data traceability to prevent contamination. The machine is engineered for versatility, supporting multiple product models with rapid changeover capabilities to suit high-volume production environments.

Technical Capabilities

Process Stages

- Pre-heating
- Varnishing
- Curing
- Cooling

Varnishing Method	Servo-driven resin trickling
Key Features	Data Traceability, High-Accuracy Scale, Multi-Model Compatible, Fast Model Transfer

Safety & Control

Safety Features

Light Curtains • Emergency Stop

Control System	Programmable Logic Controller (PLC)
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Customization

Customization Options

Parameter	Status
Cycle Time	Customizable
Automation Level	Customizable
Varnishing Accuracy	Customizable