

Automatic Espagnolette and Pin Assembly Machine

This automatic assembly machine is designed for espagnolette and pin components. It features precision linear guides, pneumatic components, and a programmable logic controller for customizable operation.



Overview

High-Efficiency Automatic Assembly Solution

This advanced assembly machine is specifically engineered for the automated integration of pins and bushes into espagnolette systems. By combining automated feeding, riveting, and unloading processes, it significantly enhances production throughput while maintaining high precision. The system features intelligent monitoring and diagnostic capabilities to ensure consistent quality and minimal downtime in demanding manufacturing environments.

Core Functionality

Automated Processes

- Automatic pin and bush assembly
- Automated feeding and riveting of pins to espagnolettes
- Automatic finished product unloading
- Automatic material induction and shortage detection

Key Benefits

100 %
Automation Level

Technical Features

Intelligence & Monitoring

- Automatic alarming system for irregular operations
- Real-time messaging for troubleshooting solutions
- Capacity prediction and recording
- Material shortage identification

Components & Quality

System Components

| Component Category | Specification/Origin |
|-----------------------|--|
| Pneumatic Components | Original high-performance pneumatic systems |
| Linear Guides | Precision linear guides and modules |
| Material Construction | S136 steel components |
| Control System | Programmable Logic Controller (PLC) and HMI |
| Electrical Standards | International standard electrical components |

Customization

Optional Features

Custom Lubrication System