

Automated Connector Assembly Machine

This machine is designed for the automated assembly of connectors. It features precision tooling and integrated control systems for accurate component placement and secure fastening.



Overview

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This high-precision assembly system is engineered for the fully automated production of connectors. It integrates advanced pneumatic components, precision linear guides, and intelligent monitoring systems to ensure consistent quality from component feeding to final product sorting. Designed for efficiency and reliability, the machine features automated process monitoring and real-time error reporting to optimize manufacturing throughput.

Technical Construction

Pneumatic Components	Original Pneumatic Components
Precision Linear Guides	High-precision linear guide and module system
Material Grade	S136

Automation & Control

Intelligent Features

- Automatic alarming system
- Irregular operation reporting
- Automatic material induction
- Material shortage detection
- Capacity prediction and recording

Control System	PLC, HMI
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Operational Capabilities

Assembly Workflow

- Automatic feeding of metal shell and screws
- Fully automatic assembly and screwing
- Process monitoring
- Detection and sorting of good/rejected products
- Automatic unloading