

# Automated Rotor Assembly Line

The rotor assembly line is designed for magnetizing, general assembling, and performance inspection, enhancing both efficiency and quality. Functions include resistance inspection, shaft input, collector ring fit-pressing, coil cutting/hooking, welding, and electrical performance inspection.



## Product Overview

### Automated Rotor Assembly Line

The Automated Rotor Assembly Line is designed for high-precision manufacturing, integrating magnetizing, assembly, and performance inspection into one streamlined process. Equipped with PLC-controlled stations, the system optimizes efficiency through automated component insertion, welding, and rigorous electrical checks. Its modular, durable construction ensures reliable long-term performance while maintaining operator safety through advanced interlocked enclosures.

## Operational Capabilities

### Process Functions

- Magnetizing
- General Assembly
- Resistance Inspection
- Shaft Input
- Collector Ring Fit-Pressing
- Coil Cutting and Hooking
- Welding
- Electrical Performance Inspection

## Technical Specifications

### Control Systems

PLC Managed, Vision Systems, Real-time Monitoring, Automated Sensors

## Design and Safety

### Design Highlights

Modular Design • Safety-interlocked Enclosure • Contamination Resistant • Durable Construction