

Charge Gun Assembly and Testing Line

This automated system reduces the need for manual labor, increasing production output and quality. It integrates end-of-line and plug force testing with data traceability for enhanced quality control.



Product Overview

Automated Assembly and Testing Solution

This advanced assembly and testing line is engineered specifically for charge gun production, integrating multiple robotic stations for precise component placement and fastening. By automating complex assembly tasks and incorporating real-time data acquisition, the system significantly reduces the need for manual intervention while improving overall output and quality consistency. The modular design ensures scalability and adaptability, making it an efficient solution for high-throughput manufacturing environments.

Key Features

Core Capabilities

Vision-Guided Robotics, Automated Material Handling, Real-time Data Acquisition, Modular Construction, Data Traceability

Testing & Quality Control

Integrated Testing Functions

- EOL (End-of-Line) Testing
- Plug Force Testing
- Electrical Continuity Testing
- High-Voltage Insulation Testing
- Mechanical Integrity Verification

Safety & Compliance

Safety Mechanisms

Safety Interlocks • Emergency Stop Mechanisms