



# EV Lithium Battery Pack Assembly Line Fully Automatic PLC Controlled

### **Basic Information**

Place of Origin: Shanghai
Brand Name: Quanstar
Certification: ISO

Packaging Details: wooden boxPayment Terms: L/C,T/T



# **Product Specification**

Name: EV Battery Pack Assembly And Test Line
 Application: Electric Vehicle Manufacturing Automation

Assembled Products: Electric Vehicle Battery Pack

• Type: Fully Automatic

Control System: PLCPlace Of Origin: Shanghai

Highlight: Lithium Battery Pack Assembly Line,
 EV Lithium Battery Pack Assembly Line,

**PLC Lithium Battery Assembly Line** 

## **EV Lithium Battery Pack Assembly Line Fully Automatic PLC Controlled**

#### **Product Specifications**

Attribute	Value
Name	EV battery pack assembly and test line
Application	Electric vehicle manufacturing automation
Assembled products	Electric vehicle battery pack
Туре	Fully automatic
Control system	PLC
Place of Origin	Shanghai

#### **Advanced Features**

**Highly automated:** Complete production process from battery cell feeding to pack offline, maximizing efficiency and product quality stability

Information management: Integrated with MES system for real-time data storage and quality traceability

Flexible connection: Adjustable design for easy expansion and modification

**Multi-device integration:** Comprehensive system including non-standard assembly equipment, conveyor lines, transfer machinery, and testing equipment

**High-precision operation:** Precision handling of battery cells, module assembly, welding, and data detection **Strong compatibility:** Servo fixtures and quick-change pallet designs accommodate various battery models

#### **Key Advantages**

Enhanced efficiency: Automated production significantly reduces cycle time compared to manual methods

Quality assurance: Minimizes human factors for consistent, reliable product quality

Ergonomic design: Reduces worker fatigue with optimized workflow and logistics

Intelligent control: Centralized management with independent unit operation capability

User-friendly interface: Simple operation and control system

Complete data traceability: Full production data recording for quality control and troubleshooting

Future-ready: Designed with upgrade space and interfaces for technical improvements

#### **Technical Specifications**

**Equipment layout:** Customizable to production site dimensions

Precision control: Internal resistance testing, welding, and tightening for optimal performance

Operation mode: Configurable as semi-automatic or fully automatic

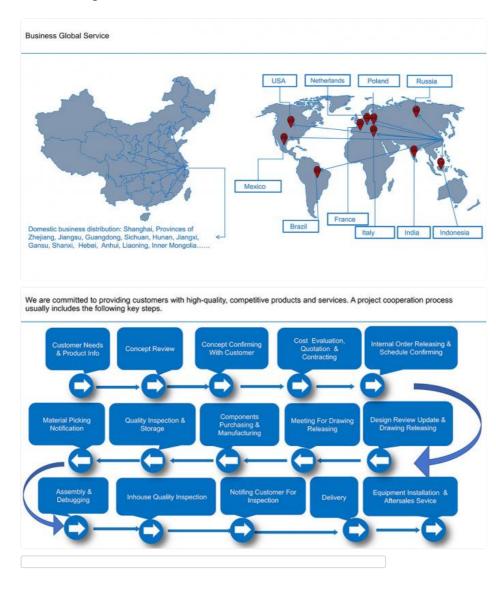
Assembly process: Complete workflow from material distribution to terminal testing

Compatibility: Supports various battery pack types and specifications

Data collection: Comprehensive production data tracking

**Cycle time:** Customizable (e.g., 15s) **Capacity:** Adjustable (e.g., 300 pcs/h)

#### **Product Images**





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