

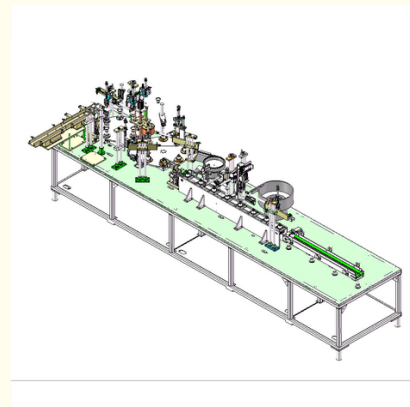


## New Energy Lithium Battery Automatic Assembly Equipment

Our Product Introduction

### Basic Information

- Place of Origin: Shanghai
- Brand Name: QuanStar
- Certification: International Organization for Standardization
- Packaging Details: wooden box
- Payment Terms: letter of credit, T/T



### Product Specification

- Application: Manufacturing Industry
- Highlight: Automatic lithium battery assembly equipment,  
Lithium battery assembly equipment,  
New energy lithium battery assembly equipment

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## Product Description

### Main Types

**Winding Machine for Battery Cells:** The winding machine for battery cells is one of the core pieces of automation equipment in lithium-ion battery assembly. It is mainly responsible for winding positive electrodes, negative electrodes, separators, and other raw materials into battery cells according to a specific sequence and process requirements. It features high precision, high efficiency, and a high degree of automation, significantly enhancing the production efficiency and quality of battery cells.

**Electrolyte Injection Machine:** The electrolyte injection machine is primarily used to inject electrolyte into the interior of battery cells to complete the activation process. This equipment ensures stable and reliable battery cell performance by precisely controlling parameters such as injection volume, injection speed, and injection pressure.

**Formation and Sorting Equipment:** Formation equipment is used to perform formation processing on battery cells, which involves charging and discharging tests to evaluate their performance. Sorting equipment, on the other hand, categorizes battery cells into different batches based on their capacity, providing a solid guarantee for subsequent assembly.

**PACK Assembly Line:** The PACK assembly line is the final step in the automation equipment for lithium-ion battery assembly. It is mainly responsible for assembling components such as battery cells, protection boards, and Battery Management System (BMS) according to design requirements to form a complete battery pack. It features a high degree of automation and flexible configuration, allowing for rapid adjustment and production based on the needs of different products.

### Characteristics and Advantages

**High Degree of Automation:** New energy lithium-ion battery automation assembly equipment adopts advanced automation control systems and robotic technology, achieving automation and intelligence in the production process and significantly improving production efficiency.

**High Processing Precision:** Various processing and testing equipment on the production line have high processing and testing precision, ensuring the quality and performance of lithium-ion batteries.

**High Production Efficiency:** By optimizing the production process and equipment layout, new energy lithium-ion battery automation assembly equipment can significantly improve production efficiency, meeting the demands of large-scale production.

**Cost Savings on Labor:** Due to the realization of automated production, manual operations can be greatly reduced, lowering labor costs.

### Application Fields

New energy lithium-ion battery automation assembly equipment is widely used in new energy vehicles, energy storage systems, consumer electronics, and other fields. With the increasing global focus on clean energy and environmental protection technologies, as well as the continuous expansion of the new energy vehicle market and the development of energy storage technologies, the market demand for new energy lithium-ion battery automation assembly equipment will continue to grow.

### Common Questions

Q: Are you a trading company or a manufacturer?

A: We are a manufacturer with over 10 years of experience in production and development.

Q: What are your main products?

A: We are a provider of assembly automation solutions, specializing in customized automation production machinery. For example, we provide customized assembly lines, testing, and packaging solutions for multiple electric vehicle (EV) manufacturers, such as component-level production lines for battery packs, thermal management systems, steering systems, etc.

Q: What is your delivery time?

A: Typically, 3 months is a production cycle, but the specific delivery date should be arranged based on the complexity of the product and the real-time production schedule. Please contact us for the latest delivery date.

Q: How about your prices?

A: Show us your parts, and we will be happy to find a solution, provide an appropriate plan, and offer you the most competitive price.

Q: What are your payment terms?

A: A 40% deposit is required before delivery, with the remaining 60% balance payable upon delivery.

Q: What is the packaging for your machines?

A: We use standard wooden crate packaging.

Q: What is the warranty period?

A: Our after-sales service includes one year of free warranty and guaranteed lifelong maintenance.

Q: Who do you cooperate with?

A: We can cooperate with customers' designated partners or recommend other component partners based on customers' requirements.



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