

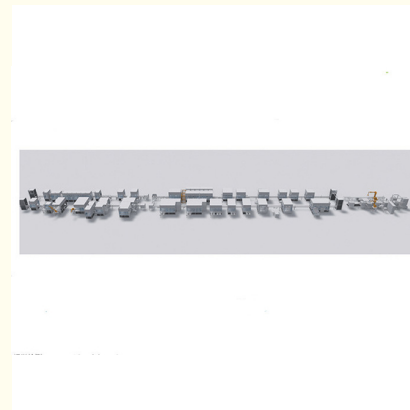


## PLC Automotive Industry Assembly Line Equipment For Thermal Management System

Our Product Introduction

### Basic Information

- Place of Origin: Shanghai
- Brand Name: Quanstar
- Certification: ISO
- Packaging Details: wooden box
- Payment Terms: L/C,T/T



### Product Specification

- Name: Thermal Management System Assembly Line
- Application: Automotive (E-mobility) Automation
- Condition: New
- Type: Fully Automated
- Control System: PLC
- Power Supply: 380V/220V
- Highlight: **Thermal Management System Automotive Assembly Line**  
**, PLC Automotive Industry Assembly Line,**  
**PLC Automotive Assembly Equipment**

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## Product Description

### Thermal management system assembly line equipment automotive automation solution

Complex control mode: For example, the OCTOVALVE system of Tesla Model Y has multiple heating and cooling modes. Through precise control of components such as the eight-way valve, thermal regulation of each component is achieved.

Electronic control: The adoption of electronic control technology can control the heat management process more precisely, improving the response speed and control accuracy of the system.

Advantages:

Reduce costs: The integrated assembly method may reduce the number of components and complex connection pipelines, reducing production and maintenance costs to a certain extent.

Adapt to different working conditions: Multiple control modes can flexibly adjust the heat management strategy according to different working conditions such as environmental temperature and driving requirements to ensure that the vehicle can have good performance in various situations.

Enhance reliability: Through the overall management and optimized control of each component, the probability of system failure is reduced and the reliability of the heat management system is improved.

Function	automatic feeding, assembly, testing & packaging
Production	integrated module for EV thermal management system
Cycle time	35 s/pc
Defective rate	below 0.5%
Processes	automatic feeding
	laser marking
	visual detection
	automatic tightening
	EOL test
Features	labelling
	automated MES system, real time monitoring status
	whole line A level traceability

## 新能源汽车热管理相关生产设备

New Energy Vehicle Thermal Management Related Production Equipment

新能源汽车热管理系统总成自动化装配、测试、包装生产线

New Energy Vehicle Thermal Management System Assembly  
Automatic Assembly, Testing, Packaging Production Line

### EQUIPMENT DISPLAY

设备展示



### PROCESSES

主要工艺

- 自动上料
- 激光打标
- 视觉检测
- 自动拧紧
- 自动压装
- EOL测试
- 下线贴标
- Automatic feeding
- Laser marking
- Visual detection
- Auto tightening
- Auto press-fit
- EOL test
- Off-line labeling

### PARAMETER

性能参数

- 生产节拍: 35秒/件
- 不良率:  $\leq 0.5\%$
- Production cycle: 35 s/pcs
- Defective rate:  $\leq 0.5\%$

### FEATURES

核心优势

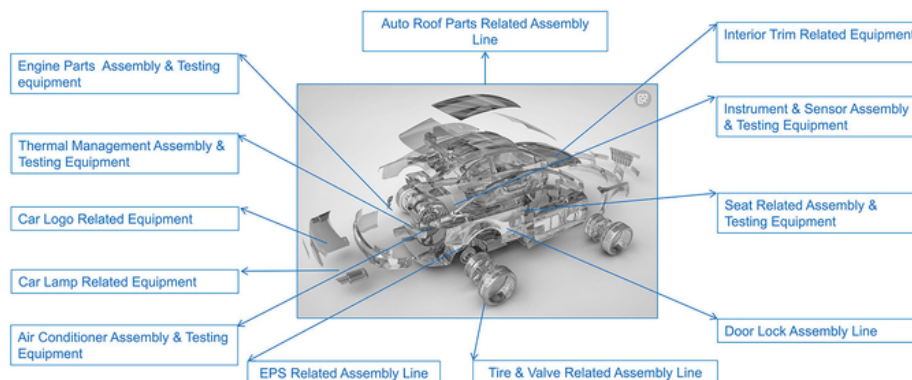
- 自动化MES系统, 实时监控状态
- 整线A级追溯
- Automated MES system, real-time monitoring status.
- Whole line A level traceability.

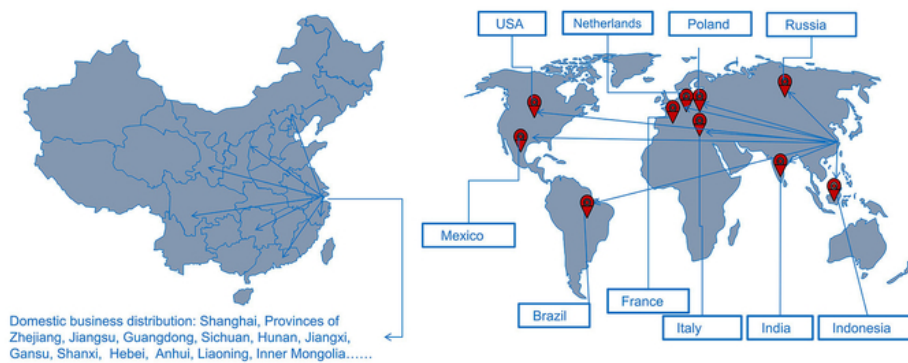
### PRODUCT

主要产品



### Automotive Industry & Related Auto Parts





We are committed to providing customers with high-quality, competitive products and services. A project cooperation process usually includes the following key steps.



## FAQ

1.Q: Are you trading company or manufacturer?

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

2.Q: What are your major products?

A: We are an assembly automation solution provider specialized in customized automatic machinery for production. For example, we provide customized assembly line, testing and packaging solutions to several electric vehicle (EV) manufacturers, such as component-level lines for battery packs, thermal management systems, steerings and so on.

3.Q: How long is your delivery time?

A: Usually 3 months is a production cycle, the specific delivery date should be arranged according to the product's complexity and real-time production schedule. Please contact us for the latest delivery date.

4.Q: How about your price?

A: Show us your parts and we will be glad to find solutions and provide a suitable scheme, and offer the most competitive price to you.

5.Q: What is your terms of payment ?

A: 40% deposit and 60% balance payment before delivery.

6.Q: What is the package for you machine?

A: We have standard wooden case package.

7.Q: How long is the warranty?

A: Our aftersale service is one year free warranty, and life-time maintenance guaranteed.

8.Q: What partners do you work with?

A: We can both work with customer's designated partners and propose other components partners at customer's request. Some of our technical partners as below:

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