



## PLC Automotive Industry Assembly Line for Thermomanagement Integrated Module

Our Product Introduction

### Basic Information

- Packaging Details: wooden box
- Payment Terms: L/C,T/T



### Product Specification

- Item: Automatic Thermal Management Assembly And Test Line
- Application: Electric Vehile Manufacturing Automation
- Assembled Products: Integrated Module
- Operation Mode: Fully Automatic
- Control System: PLC
- Warrenty: One-year Free Warranty & Life-time Maintenance
- Highlight:
  - Thermomanagement Integrated Module PLC Assembly Line**
  - Integrated Module Automotive Industry Assembly Line**
  - Thermomanagement Module PLC Automotive Assembly Line**

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## Product Description

### Electric vehicle Thermal Management System Integrated Module Assembly Line

High integration: Systematically integrate multiple heat management-related components, such as pipelines, valves, pumps, coolant distribution, etc., to make the structure more compact and occupy less space.

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.

Advantages:

Improve energy utilization efficiency: The integrated design shortens the heat management path, reduces heat loss, enables heat pump air conditioners, etc. to transfer heat more efficiently, thereby reducing air conditioning power consumption and helping to increase the range of electric vehicles.

Optimize system performance: Precise temperature control can ensure that key components such as batteries and motors work within the appropriate temperature range, maintain their best performance state, and extend service life.

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.

Automotive (E-mobility) automation solution

- Power system assembly automation solution
- Chassis system assembly automation solution
- Automotive electronics assembly automation solution
- Body and interior assembly solution

Function	assembly line for electric vehicle
Cycle time	35s
Defective rate	Below 0.5%

#### 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

#### 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.

#### PARAMETER

##### 性能参数

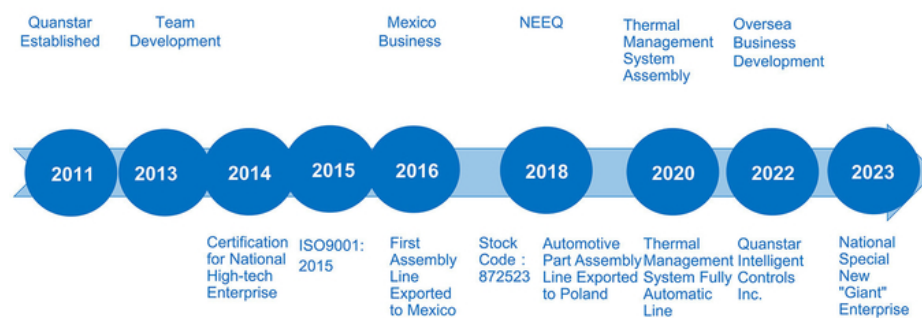
- 生产节拍:35秒/件
- 不良率:≤0.5%
- Production cycle: 35 s/pcs
- Defective rate: ≤0.5%

#### PRODUCT

##### 主要产品



#### Development History



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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