



## Thermal Management Integrated Module Assembly Line

Our Product Introduction

### Basic Information

- Place of Origin: Shanghai
- Brand Name: Quanstar
- Certification: ISO 9001
- Minimum Order Quantity: 1
- Delivery Time: 90
- Payment Terms: T/T



### Product Specification

- Name: Thermal Management Integrated Module Assembly Line
- Application: EV (Electric Vehicle)
- Controller: PLC
- Management: MES (manufacturing Execution System)
- Automation: Fully Automatic
- System: Traceability
- Highlight: **Thermal Management Integrated Module Assembly Line**  
**, Integrated Module Assembly Line**

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## Product Description

### Thermal Management Integrated Module Assembly Line

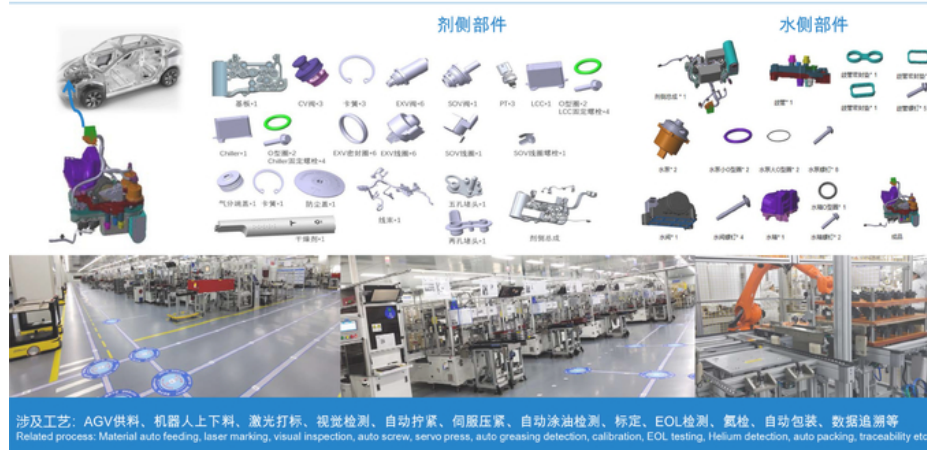
Quanstar Intelligent Controls (Shanghai) Co.,Ltd. developed several fully automated and semi-automated assembly and test line of thermal management integrated modules for world famous electric vehicle manufacturers. Thermal management system is a comprehensively energy-optimization system combining the control of all cooling module and the heat pump system in one unit.

The equipment consists of 30 assembly workstations and 26 testing workstations. Through the combination of a high - speed chain conveyor and AGV transfer, it realizes the automated feeding, scanning, visual detection, assembly, testing, and unloading and packaging of various sub - components. It integrates a number of advanced technologies to ensure the efficient, accurate, and reliable production of the thermal management system. The processes involved are AGV material loading and parts unloading, laser marking, visual inspection, auto screw tightening, Servo press, auto greasing and oil detection, calibration, EOL test, Helium detection, auto packing, traceability, etc.

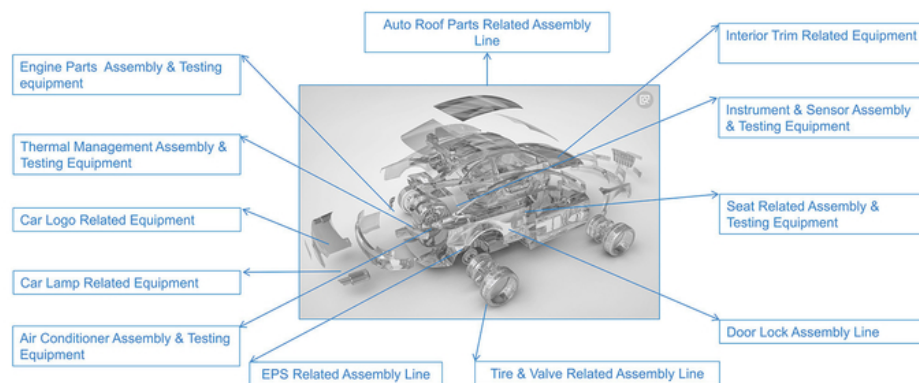
Core competencies of our manufacturing automation solutions:

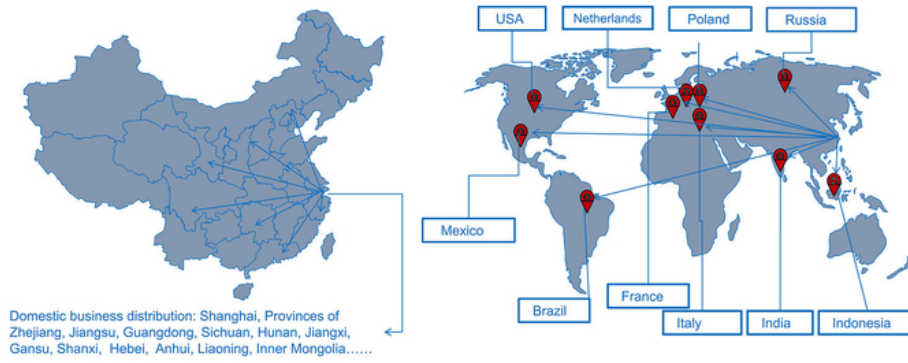
- Resistance and laser welding
- Ultrasonic and RF Welding
- Industrial robot integration for flexible, multi-axis problems
- Material handling
- Power & free linear transfer systems
- Servo press
- Vision inspection
- Build to print
- Precision machining
- Lean cells
- Leak testing
- Traceability

### 热管理系统相关设备 Thermal Management System Related Equipment

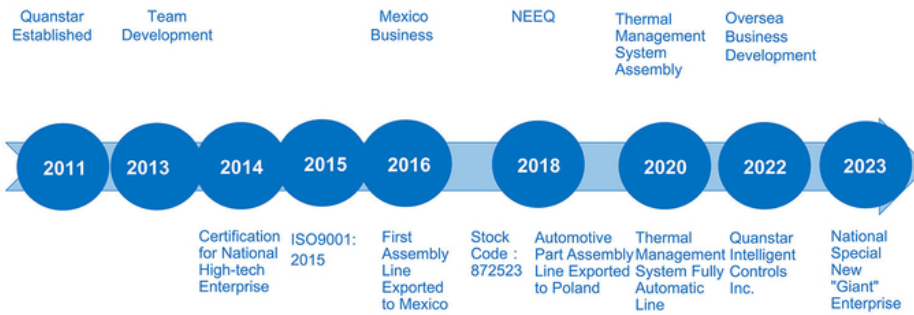


### Automotive Industry & Related Auto Parts





#### 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.



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