



Integrated Module Assembly Line Machine PLC Automation

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 Assembly And Test Line
- Application: Electric Vehicle Manufacturing Solution
- Assembled Products: Integrated Module
- Operation Mode: Fully Automated Or Semi-automated
- Control System: PLC
- Place Of Origin: Shanghai
- Highlight: **Integrated Module Assembly Line Machine ,
PLC Integrated Module Assembly Line Machine ,
Integrated Module PLC Assembly Line Machine**

for more products please visit us on automation-assembly.com

Product Description

Integrated Module Assembly Line equipment machine PLC automation equipment

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

Growth of the energy vehicle market:

Environmental protection needs drive the development of energy vehicles. Many countries around the world have formulated timetables for banning the sale of fuel vehicles and encourage consumers to buy energy vehicles. For example, Norway plans to ban the sale of fuel vehicles in 2025. The United Kingdom, France and other countries have also specified the ban time, prompting automakers to increase the production of energy vehicles, and the demand for thermal management assemblies has increased accordingly.

Consumers' environmental awareness and awareness of the performance of energy vehicles have increased, and the sales of energy vehicles continue to grow. According to statistics, in 2022, the production and sales of new energy vehicles in China will be 7.058 million and 6.887 million respectively, an increase of 99.10% and 95.60% respectively year-on-year, driving the development of thermal management assembly lines.

Increased importance of thermal management systems:

The thermal management system ensures that all parts of energy vehicles work at an appropriate temperature and guarantees vehicle performance, safety and cruising range. For example, the performance of batteries declines and their lifespan shortens at high temperatures, and there are even potential safety hazards. Good thermal management can extend battery life and improve safety.

The power system of energy vehicles is different from that of traditional fuel vehicles. The thermal management system is more complex and has higher technical requirements. For example, the driving force and heat source of the air conditioning system of new energy vehicles change, and new technologies need to be adopted, increasing the complexity and importance of the thermal management system.

Function	automatic feeding, assembly, testing & packaging
Production	integrated module for EV thermal management system
Defective rate	below 0.5%
Processes	laser marking
	visual detection
	screwing
	EOL test
	sevo press
	calibration
	greasing detection
	Helium detection
	labelling
Features	automated MES system, real time monitoring status
	whole line A level traceability

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:≤0.5%
- Production cycle: 35 s/pcs
- Defective rate: ≤0.5%

FEATURES

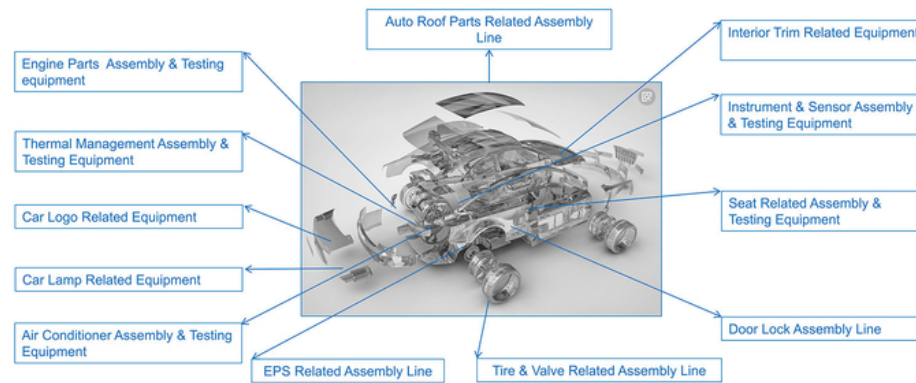
核心优势

- 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.

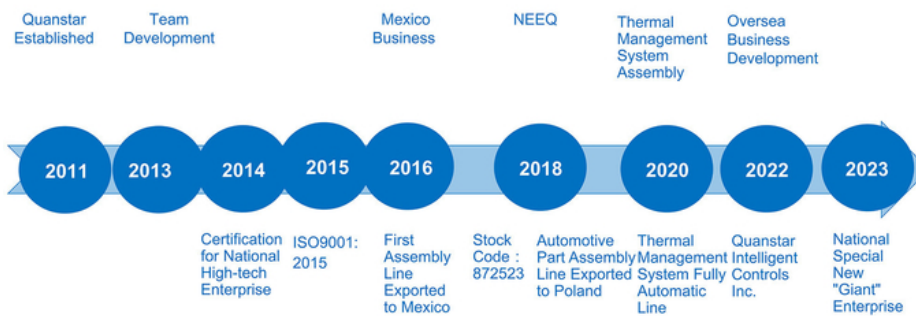
PRODUCT

主要产品





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:

□



Quanstar Intelligent Controls (Shanghai) Co.,Ltd



+86 15002179039



sales@automation-assembly.com



automation-assembly.com

No.368 Xiaonan Road, Fengxian District, Shanghai 201401, China