



Sensor Automation Assembly Line 380V/220V with Automated Testing Solution

Our Product Introduction

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Basic Information

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



Product Specification

- Name: Sensor Assembly Line
- Application: Pressure & Temperature
- Warrenty: One Year
- Type: Fully Automated
- Control System: PLC
- Voltage: 380V/220V
- Highlight: Sensor Automation Assembly Line 220V ,
Sensor Testing Automation Assembly Line,
Sensor Automation Assembly Line 380V



Product Description

Automated sensor assembly and testing machine automation solution



权星智控系统工程(上海)股份有限公司
QUANSTAR INTELLIGENT CONTROLS (SHANGHAI) CO., LTD.

新能源汽车子零部件生产设备

New Energy Vehicle Sub-parts Production Equipment

新能源汽车温度压力传感器 (PT) 自动化装配、测试生产线

New energy vehicle temperature and pressure sensor (PT) automatic assembly and test production line

EQUIPMENT DISPLAY 设备展示



PROCESSES

主要工艺

- 自动上料
- PCB涂胶
- 旋铆铆接
- PIN脚裁切折弯
- 泄露测试
- Automatic feeding
- PCB glue coating
- Spin riveting
- PIN cut and bent
- Leak testing

PARAMETER

性能参数

- 生产节拍: 10秒/件
- Production cycle: 10 s/pcs

FEATURES

核心优势

- 兼容3种产品, 灵活性高
- 有效防止ESD击穿
- 在线传感器植入
- Compatible with 3 kinds of products, high flexibility
- Effectively prevent ESD breakdown
- Online sensor implantation

PRODUCT

主要产品



The design of the assembly line for electric vehicle PT sensor focuses on flexibility and high efficiency.

Feeding and transportation: The automated logistics system is used to quickly transport sensor parts from the warehouse to the assembly line through conveyor belts and robotic arms. During the transportation process, QR code recognition technology is used to classify and track parts to ensure the accuracy and traceability of parts.

Assembly workstation: A flexible assembly workstation is designed, which can be quickly adjusted according to the needs of different products. For sensor housings and sensitive elements of different sizes, rapid production switching can be achieved by replacing fixtures and adjusting program parameters. At the same time, a vision system and force feedback technology are adopted to ensure the accuracy and stability of the assembly process.

Inspection link: In addition to conventional pressure and temperature detection, vibration testing and electromagnetic compatibility testing are also added. The vibration test simulates the vibration environment of the car during driving to ensure the reliability of the sensor under harsh conditions. The electromagnetic compatibility test ensures that the sensor works normally in a complex electromagnetic environment. The detection data is automatically uploaded to the enterprise's quality management system to facilitate real-time monitoring and analysis of product quality.

Production line layout: A linear layout is adopted, and each workstation is arranged in sequence to make the production process clearer and more efficient.

Function	automatic feeding, assembly & testing line
Production	EV EXV (Electric Vehicle Electronic Expansion Valves)
Cycle time	10 s/pc

Defective rate	below 0.5%
Processes	automatic feeding
	PCB glue coating
	spin riveting
	PIN cut & bent
	leak testing
Features	compatible with 3 different types
	ESD breakdown prevention
	sensor implantation

Automotive (electric vehicle) automation solution

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



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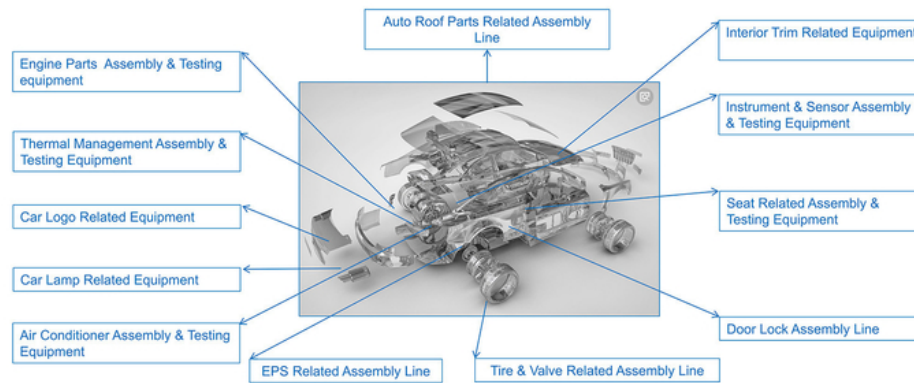
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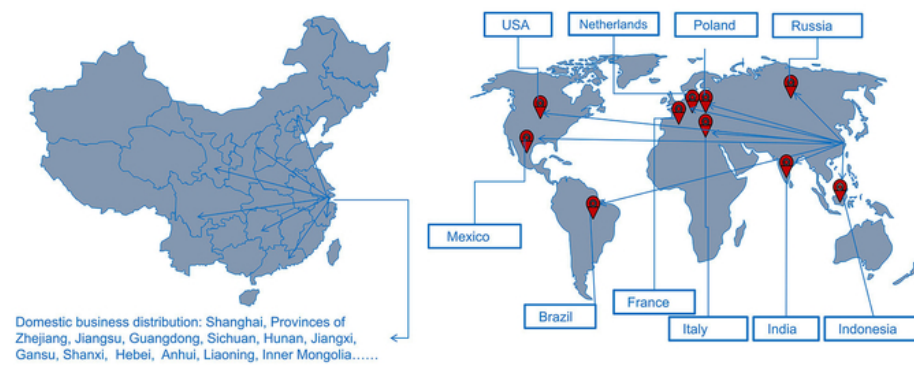
PRODUCT

主要产品

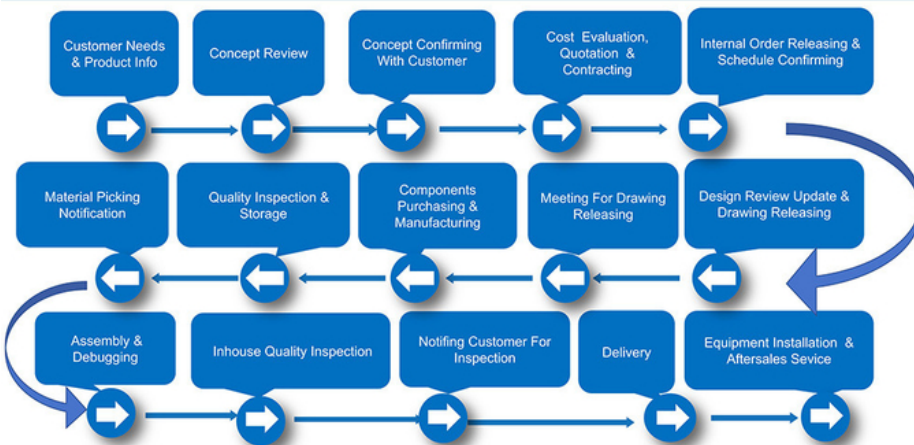




Business Global Service



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, steering 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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