



Automobile Reversing Radar Automatic Production Line Assembly and Testing

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: Automobile Reversing Radar Assembly And Testing Equipment
- Application: Autobotive Industry
- Condition: New
- Type: Fully Automated
- Control System: PLC
- Warranty: One Year
- Highlight: **Automobile Reversing Radar Automatic Production Line**
, Automobile Reversing Radar Assembly Line,
Auto Reversing Radar Automatic Production Line

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Product Description

Automobile reversing radar assembly and testing equipment automatic assembly solution

Automatic feeding system:

Vibration plates and conveyor tracks are used to orderly transport various parts of the reversing radar, such as sensors, controllers, wiring harnesses, etc., to the assembly station.

The visual recognition system detects and classifies parts to ensure the accuracy of feeding.

Assembly station:

Multi-axis manipulators are responsible for grabbing and assembling parts. The manipulators are equipped with high-precision fixtures and can accurately install sensors at the predetermined positions of vehicle bumpers and ensure firm installation.

Automated tightening equipment precisely tightens screws to ensure reliable connections.

Automated equipment is used for wiring harness plugging to ensure correct and firm plugging and reduce contact problems caused by manual operations.

Welding equipment:

For parts that need welding, such as the circuit board welding inside the controller, advanced laser welding equipment is used. Laser welding has the advantages of fast welding speed, high welding quality, and small heat-affected zone.

The welding process is precisely controlled by an automated control system to ensure the stability and consistency of welding parameters.

III. Detection equipment section

Function detection:

Simulate the actual reversing scene and use a signal generator to send analog signals to the reversing radar to detect performance indicators such as the detection distance, angle accuracy, and response time of the radar.

By comparing with the standard value, judge whether the reversing radar meets the quality requirements. If the detection result is unqualified, the equipment will automatically issue an alarm and divert unqualified products to a specific area for further analysis and treatment.

Electrical performance detection:

Comprehensively detect the electrical performance of the reversing radar, including the measurement of parameters such as voltage, current, and resistance.

Use professional electrical detection equipment to ensure that the circuit connection of the radar is normal and there are no short circuits, open circuits, and other problems.

Waterproof performance detection:

Put the assembled reversing radar into a simulated rainy environment or water to detect its waterproof performance. By applying a certain water pressure, observe whether there is water leakage in the radar.

Ensure that the reversing radar can work normally under various harsh weather conditions.

Appearance detection:

Use high-definition cameras and image recognition technology to detect the appearance of the reversing radar. Check for appearance defects such as scratches, deformations, and stains.

Ensure that the appearance quality of the product meets customer requirements.

IV. Production management system

Data acquisition and analysis:

The assembly and detection equipment is equipped with a data acquisition system to record various data in the production process in real time, such as production quantity, detection results, equipment operating status, etc.

Through data analysis software, statistically analyze these data so that enterprises can understand the production situation, discover potential problems, and take timely measures for improvement.

Quality traceability:

Generate a unique identification code for each product and record the information of each link in the production process of the product. Once there is a quality problem, the specific link in the production process can be quickly traced through the identification code for problem analysis and treatment.

Equipment monitoring and maintenance:

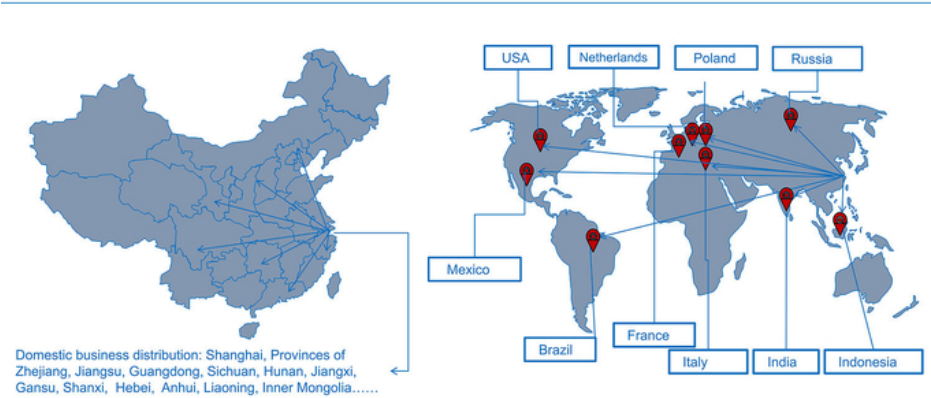
The production management system can monitor the operating status of the assembly and detection equipment in real time, including parameters such as equipment temperature, pressure, and speed. When the equipment fails, the system will automatically issue an alarm and provide fault diagnosis information so that maintenance personnel can perform maintenance.

in time.

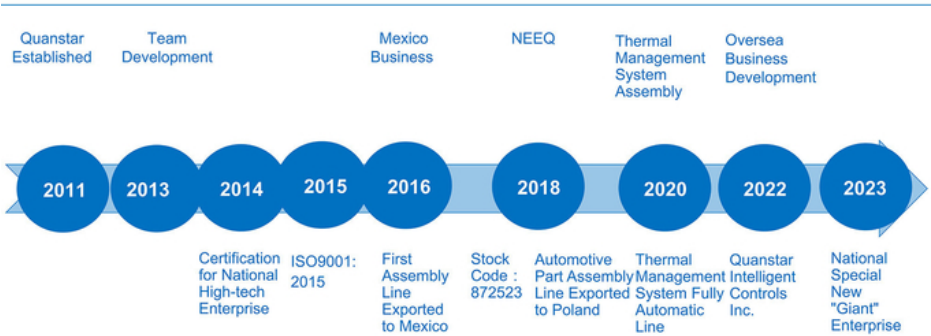
At the same time, the system can also formulate a reasonable maintenance plan according to the operating time and maintenance records of the equipment to ensure the normal operation of the equipment and extend the service life of the equipment.

Function	automatic assembly and testing line
Compatibility	compatible with different specifications of pipes

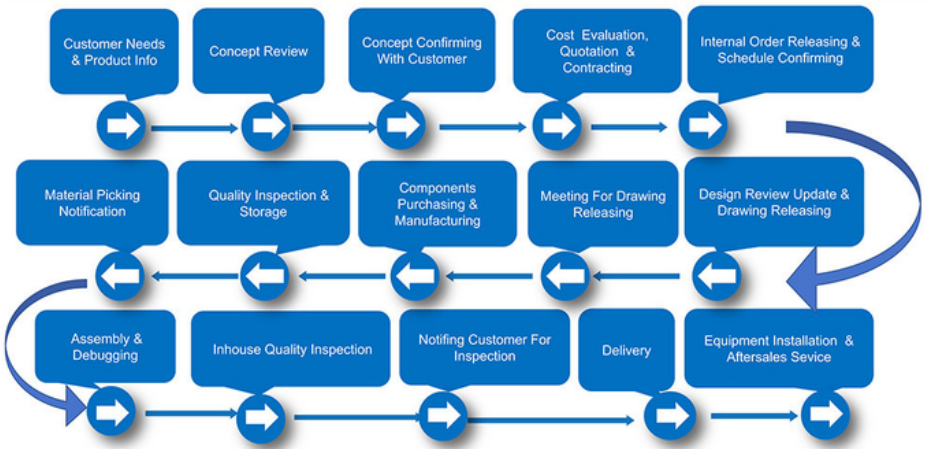
Business Global Service



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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