



Automobile Pipeline Quick Connector Automation Assembly Machine Custom

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: Electric Vehicle Air Conditioning Expansion Valve Automatic Assembly And Testing Line
- Application: Electric Vehicle Manufacturing Automation
- Assembled Products: EXV
- Operation Mode: Fully Automated
- Control System: PLC
- Place Of Origin: Shanghai
- Highlight: **Pipeline Quick Connector Automation Assembly Machine**
, **Automobile Pipeline Quick Connector Automation Machine**
, **Automobile Pipeline Connector Automation Assembly Machine**

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Product Description

Automobile pipeline quick connector assembly equipment custom automation

Automatic feeding system:

Vibration plates and conveyor tracks are used to orderly transport various parts of the quick connector, such as the connector body, sealing ring, circlip, 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 the sealing ring at a specific position on the connector body and ensure firm installation.

Automated press-fitting equipment presses the circlip to ensure that the installation force of the circlip is moderate, which can not only ensure the reliability of the connection but also not damage the parts.

Inspection station:

Sealing inspection: Put the assembled quick connector into the sealing inspection equipment. By filling it with gas at a certain pressure, the sealing performance of the connector is detected. If a leak is found, the equipment will automatically issue an alarm and divert unqualified products to a specific area for processing.

Dimensional inspection: Use high-precision measuring equipment to inspect the dimensions of the quick connector to ensure that the product meets the design requirements.

Packaging station:

Package the qualified quick connectors. Automated packaging equipment is used to improve packaging efficiency and quality. Packaging materials can be selected according to customer needs, such as plastic bags, paper boxes, etc.

III. Equipment features

High degree of automation:

The entire assembly process is automated, reducing manual operations and improving production efficiency. At the same time, automated operations also reduce the impact of human factors on product quality and improve product consistency and reliability.

High-precision assembly:

Multi-axis manipulators and high-precision fixtures are used to ensure that the installation positions of parts are accurate. Automated press-fitting equipment can precisely control the press-fitting force and ensure product quality.

Strict quality inspection:

Equipped with sealing inspection and dimensional inspection equipment to conduct comprehensive quality inspection of products. Only qualified products can enter the packaging link, ensuring product quality.

Strong flexibility:

This assembly equipment can be adjusted and optimized according to different models of quick connectors to meet the needs of different customers. At the same time, the maintenance of the equipment is also relatively convenient, reducing the operating costs of enterprises.

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

汽车零部件生产设备

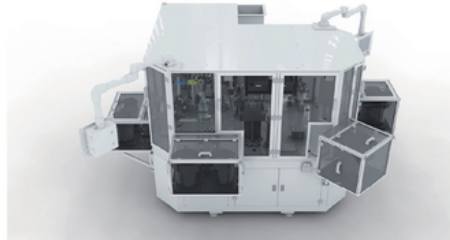
Auto parts production equipment

汽车油路管接头自动化装配、检测生产线

Auto oil pipe joint automatic assembly, testing production line

EQUIPMENT DISPLAY

设备展示



PROCESSES

主要工艺

- 自动上料
- 自动抹油
- 气密性测试
- 视觉检测
- 自动高度检测
- Automatic feeding
- Automatic oiling
- Air tightness test
- Visual inspection
- Automatic height detection

FEATURES

核心优势

- 兼容13种产品, 一键切换多种产品
- Compatible with 13 products, one click to switch a variety of products

PARAMETER

性能参数

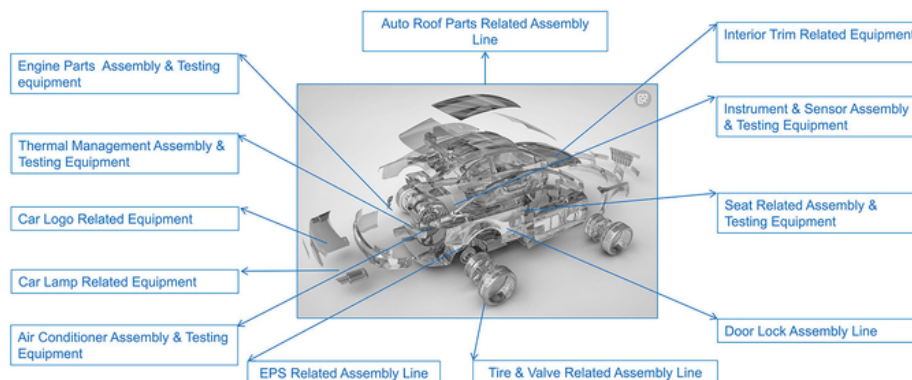
- 生产节拍: 6秒/件
- Production cycle: 6 s/pcs

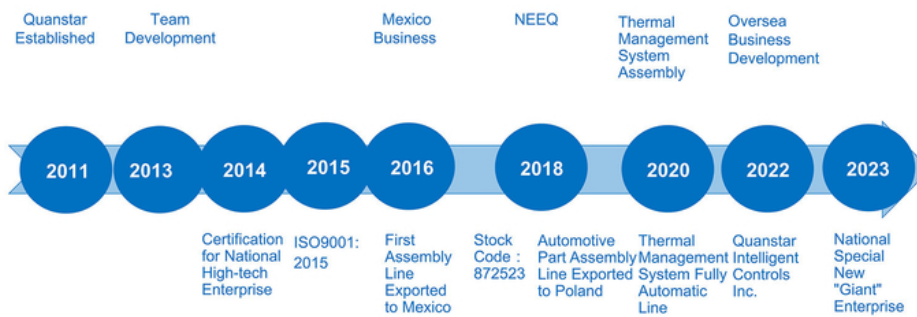
PRODUCT

主要产品



Automotive Industry & Related Auto Parts





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 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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