



Electronic Expansion Valve EVV Automation Assembly Line for Automotive

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: Automatic Heat Pump Valve Assembly Line
- Application: Electric Vehicle Automation
- Condition: New
- Type: Fully Automated
- Control System: PLC
- Power Supply: 380V/220V
- Highlight: **EVV Automation Assembly Line,
Automotive EVV Automation Assembly Line,
Electronic Expansion Valve Automation
Assembly Line**

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

Product Description

Electronic expansion valve (EVV) assembly line equipment automotive automation solution

Feeding system: Vibration trays and customized material channels are used to transport expansion valve parts of various specifications to the assembly area in an orderly manner. Sensor detection is used to ensure the accurate supply of parts.

Assembly system: Multi-joint manipulators cooperate with special fixtures to accurately grab components such as valve bodies and valve cores for assembly. Force sensors and displacement sensors are set up at key assembly stations to monitor the pressure and position during the assembly process in real time to ensure assembly accuracy. For example, during the process of installing the valve core into the valve body, the insertion depth and force are strictly controlled to ensure sealing.

Inspection system: Equipped with high-precision pressure sensors and flow sensors, the assembled expansion valve is inspected for sealing performance and flow control performance. At the same time, a visual inspection system is used to check for appearance defects. If unqualified products are detected, they will be automatically diverted to the repair area.

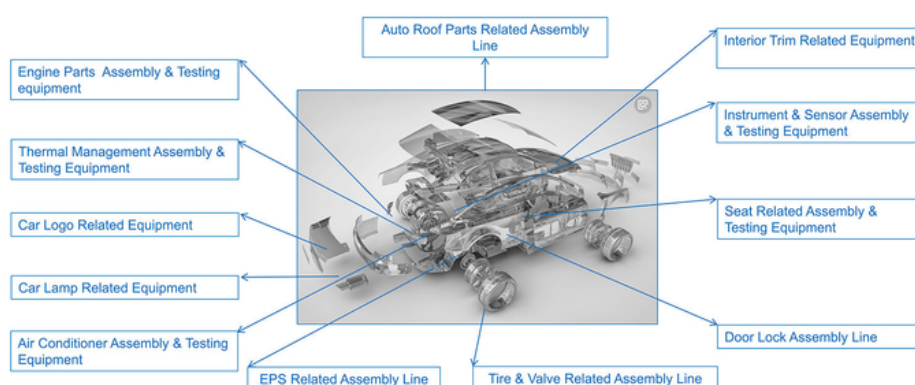
Control system: Adopting a PLC control system, operation and monitoring are carried out through the touch screen human-machine interface. It can display information such as the running status, production progress, and quality data of the production line in real time. And program adjustments and parameter settings can be made according to different models of expansion valves.

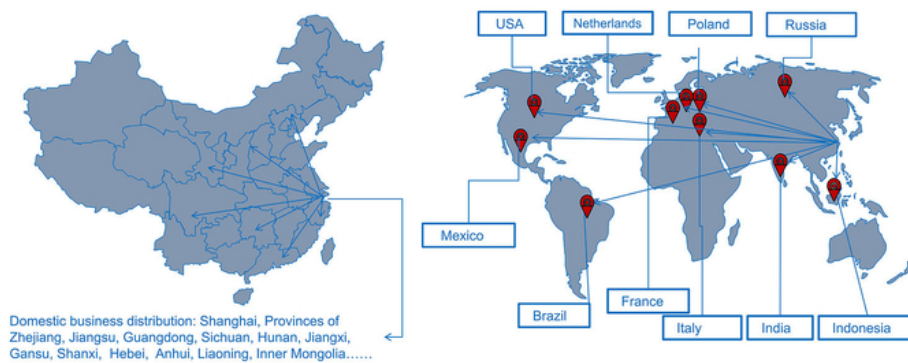
Cycle time	12 s/pc
Defective rate	below 0.5%
Processes	laser welding
	automatic tightening
	automatic press-fit
	visual detection
	laser marking
	O-ring automatic assembly
	automatic feeding
Features	Fully automatic production w/o any worker
	Real-time monitoring
	A level traceability throughout whole line

Automotive (electric vehicle) automation solution

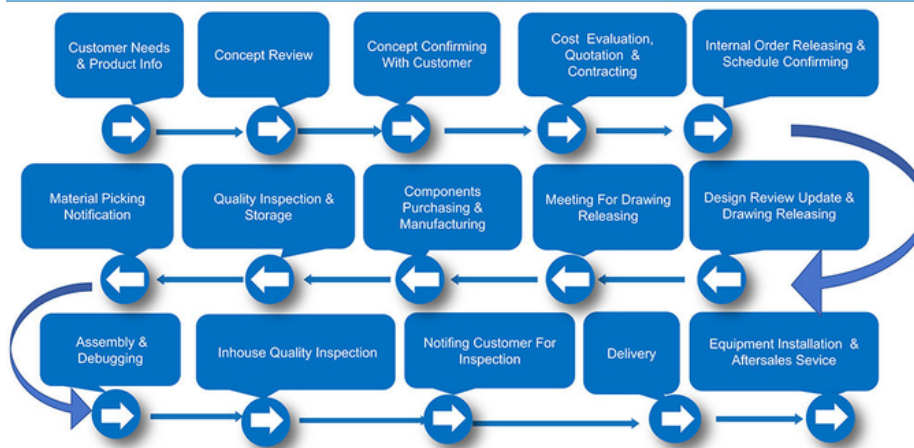
- Power system assembly automation solution
- Chassis system assembly automation solution
- Automotive electronics assembly automation solution
- Body and interior assembly solution

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 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:

□

