



Custom Assembly and Test Machine For Solenoid Valve

Our Product Introduction

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

Basic Information

- Place of Origin: Shanghai
- Brand Name: Quanstar
- Certification: ISO 9001
- Model Number: Solenoid
- Minimum Order Quantity: 1
- Delivery Time: 90 days
- Payment Terms: T/T



Product Specification

- Name: Custom Assembly And Test Machine For Solenoid Valve
- Controller: PLC
- Management: MES
- Automation: Fully Automated
- Inspection: Visual
- Cycle Time: 15 S/PC
- Highlight: Custom Machine for Solenoid Valve Assembly,
Custom Machine for Solenoid Valve Test

Product Description

Custom Assembly and Test Machine For Solenoid Valve

The processes involved in the assembly and inspection production line of thermal management system products include automatic assembly, automatic gluing, automatic screwing, automatic pressing, automatic loading and unloading, leakage detection, vehicle vibration detection, visual automatic detection, tooling caching, information tracing, etc. The overall solution involves components such as HVAC, cooling modules, PTC and other components .

Quanstar Intelligent Controls (Shanghai) Co.,Ltd. developed a fully automated assembly and test line for solenoid valves. The solenoid valves underwent testing on a highly precise link indexing conveyor. Robots were utilized to load and unload parts from the conveyor. To satisfy the production demands, the cycle time of this system was around 15 seconds. The operations involved verifying components through vision technology, conducting resistance testing, flow testing, and function testing. Parts that successfully passed all the tests were marked with a laser date code.

It consists of 5 assembly stations, 2 testing stations, and 1 unloading and packaging station. The production line is equipped with an automated management system, enabling real - time monitoring of the production line status. The core processes include automatic feeding, laser marking, visual inspection, Servo press, automatic greasing and oil, installation of tower springs, automatic screw tightening, EOL testing, electrical performance testing, etc.

Core competencies of our manufacturing automation solutions:

- Resistance and laser welding
- Ultrasonic and RF Welding
- Industrial robot integration for flexible, multi-axis problems
- Material handling
- Power & free linear transfer systems
- Servo press
- Vision inspection
- Build to print
- Precision machining
- Lean cells
- Leak testing
- Traceability

新能源汽车子零部件生产设备

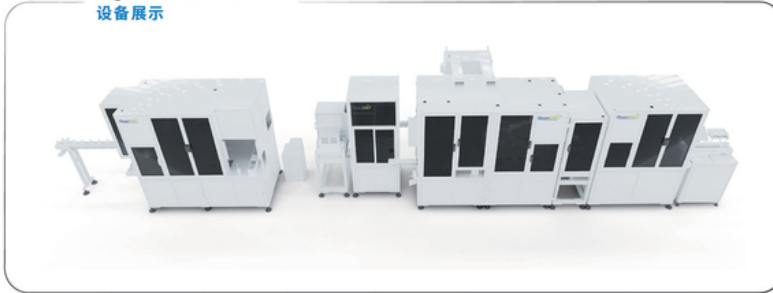
New Energy Vehicle Sub-parts Production Equipment

新能源汽车电磁阀自动化装配、检测生产线

New Energy Vehicle Solenoid Valve Automatic Assembly, Test-
ing Production Line

EQUIPMENT DISPLAY

设备展示



PROCESSES

主要工艺

- O型圈装配
- 激光打标
- 视觉检测
- 自动拧紧
- 自动压装
- EOL测试
- 自动上料
- O-Ring auto assembly
- Laser marking
- Visual detection
- Auto tightening
- Auto press-fit
- EOL test
- Automatic feeding

PARAMETER

性能参数

- 生产节拍: 15秒/件
- 不良率: $\leq 0.5\%$
- Production cycle: 15 s/pcs
- Defective rate: $\leq 0.5\%$

FEATURES

核心优势

- 通过视觉检测大幅提升质量
- 整线A级追溯
- Highly improve quality with visual inspection
- A level traceability throughout whole line

PRODUCT

主要产品



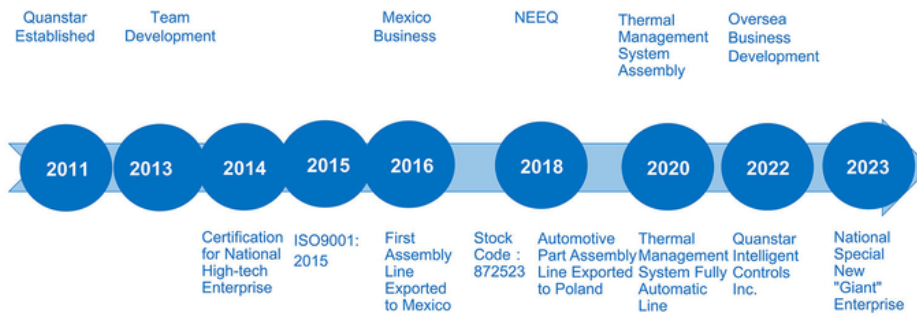
Business Global Service



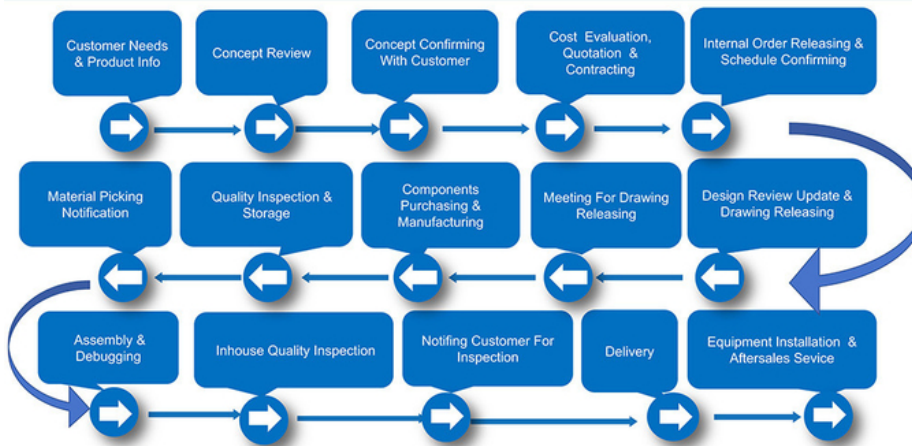
Domestic business distribution: Shanghai, Provinces of Zhejiang, Jiangsu, Guangdong, Sichuan, Hunan, Jiangxi, Gansu, Shanxi, Hebei, Anhui, Liaoning, Inner Mongolia.....



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.



Quanstar Intelligent Controls (Shanghai) Co.,Ltd

+86 15002179039

sales@automation-assembly.com

automation-assembly.com

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