

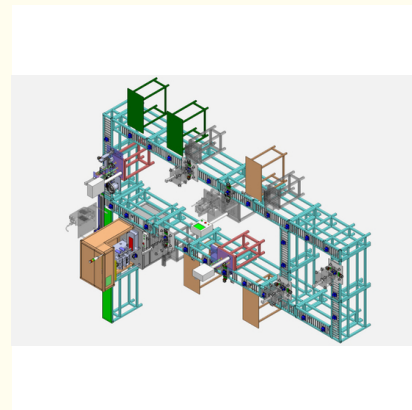


Customized Automated Production Line For Testing Of Mechanical Assembly Parts

Our Product Introduction

Basic Information

- Place of Origin: Shanghai
- Brand Name: QuanStar
- Certification: International Organization for Standardization
- Packaging Details: wooden box
- Payment Terms: letter of credit, T/T



Product Specification

- Conveyor Type: Belt Conveyor
- Industry: Automotive
- Type: Fully Automatic
- Application Products: Damper Shock Absorber
- Color: Customized
- Condition: New
- Operation: Fully Automatic
- Assembled Parts: Integrated Module
- Maintenance: Low Maintenance
- Highlight: **Customized automated production line,
Mechanical Assembly Parts automated
production line
, Testing automated production line**

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Product Description

System Composition

Conveyor System: Responsible for transporting the components required for mechanical assembly to various workstations along the production line. Common conveyor systems include chain conveyors, belt conveyors, and roller conveyors, which ensure that components are accurately and efficiently transferred to the next process.

Automated Assembly Workstations: The core part of the production line, responsible for completing the assembly tasks of components. These workstations are typically equipped with robotic arms, robots, automated assembly equipment, tooling fixtures, etc., capable of automatically completing assembly operations without human intervention.

Inspection and Testing Equipment: Used to conduct quality inspections on products during the assembly process to ensure they meet quality standards. Common inspection equipment includes sensors, vision inspection systems, laser measuring instruments, etc., which can monitor various performance indicators of products in real-time, promptly detect and rectify potential quality issues.

Automated Control System: Serving as the "brain" of the production line, responsible for coordinating and managing the operation of various parts of the production line. Common automated control systems include PLCs (Programmable Logic Controllers) and industrial robot control systems, which utilize preset programs and algorithms to achieve remote monitoring, fault diagnosis, and production optimization of the production line.

Data Management and Information System: Responsible for collecting and analyzing production data, monitoring production line performance, and conducting quality tracking. Through the data management and information system, enterprises can grasp the operating status of the production line in real-time, promptly identify and resolve potential issues, thereby improving production efficiency and product quality.

Application Fields

Automated assembly and testing production lines for mechanical components are widely used in multiple fields, including but not limited to:

Automotive Industry: Used for the assembly and testing of automotive components, such as engines, transmissions, chassis, and other key parts in automated production.

Electronics Industry: Used for the assembly and testing of electronic products like mobile phones, computers, televisions, etc., to ensure that the performance and quality of the products meet design requirements.

Home Appliance Industry: Used for the assembly and testing of home appliance products such as air conditioners, refrigerators, washing machines, etc., to improve production efficiency and product quality.

Medical Equipment Industry: Used for the assembly and testing of medical equipment to ensure that the precision and reliability of the products meet medical requirements.

FAQs

Q: Are you a trading company or a manufacturer?

A: We are a manufacturer with over 10 years of experience in production and development.

Q: What are your main products?

A: We are an assembly automation solution provider specializing in customized automated production machinery. For example, we provide customized assembly lines, testing, and packaging solutions for various electric vehicle (EV) manufacturers, such as component-level production lines for battery packs, thermal management systems, steering systems, etc.

Q: What is your delivery time?

A: Generally, 3 months is a production cycle, and the specific delivery date should be arranged according to the complexity of the product and the real-time production plan. Please contact us for the latest delivery date.

Q: What about your prices?

A: Show us your parts, and we'd be happy to find a solution, provide a suitable proposal, and offer you the most competitive pricing.

Q: What are your payment terms?

A: A 40% deposit is required before delivery, with the remaining 60% as the balance.

Q: What kind of packaging do your machines come with?

A: We have standard wooden crate packaging.

Q: How long is the warranty period?

A: Our after-sales service includes a one-year free warranty and a guarantee of lifelong maintenance.

Q: Which partners do you collaborate with?

A: We can collaborate with customers' designated partners or recommend other component partners based on customers' requirements.



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