



PLC Fully Automatic Medical Device Assembly HMI Machine Medical Equipment Assembly

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: Medical Device Assembly Machine
- Industry: Medical
- Type: Fully Automatic
- Control System: PLC, HMI
- Condition: New
- Warranty: One Year
- Highlight: **PLC Automatic Medical Device Assembly,
Fully Automatic Medical Device Assembly,
HMI Medical Equipment Assembly Machine**

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Product Specifications

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Key Features

- Sterile configuration options supporting gamma irradiation and ethylene oxide sterilization
- Rapid-change architecture enables product transitions in under 10 minutes
- Material-contact components comply with USP Class VI and ISO 10993 biocompatibility standards
- Advanced vision-guided robotics for micron-level accuracy in micro-assembly

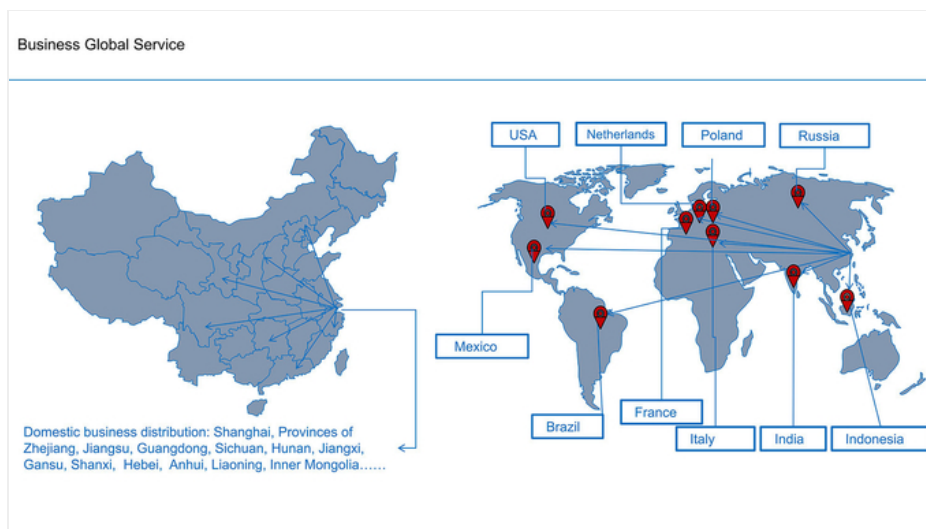
Primary Applications

- **Injectable Solutions:** Automated assembly of prefilled syringes and insulin delivery pens
- **Infusion Systems:** Precision manufacturing of IV sets and fluid administration devices
- **Surgical Kits:** Production of sterile, single-use instrument packages
- **Diagnostic Platforms:** High-accuracy assembly of testing cartridges and lab-on-chip devices

Technical Parameters

Section	Attribute	Specifications
System Overview	Production Line Span	5-30 meters (expandable modular architecture)
	Output Capacity	50-300 units/minute (varies by product complexity)
	Processing Stations	5-20 modules (adaptable layout)
Assembly Unit	Positioning Tolerance	±0.1 mm (medical device precision standard)
	End Effector Options	Medical-certified silicone/pneumatic (meets FDA regulations)
	Plastic Joining	20-40 kHz ultrasonic bonding (for component sealing)

Quality Control	Imaging System	5-10 megapixel cameras (10-30 micron/pixel resolution)
	Flaw Identification	Detects particles, cosmetic imperfections, size variations
	Seal Integrity	Identifies leaks ≥ 1 micron (validated for fluid containers)



Frequently Asked Questions

Q: Are you trading company or manufacturer?

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

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.

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.

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.

Q: What is your terms of payment?

A: 40% deposit and 60% balance payment before delivery.

Q: What is the package for your machine?

A: We have standard wooden case package.

Q: How long is the warranty?

A: Our aftersale service is one year free warranty, and life-time maintenance guaranteed.

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.



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