



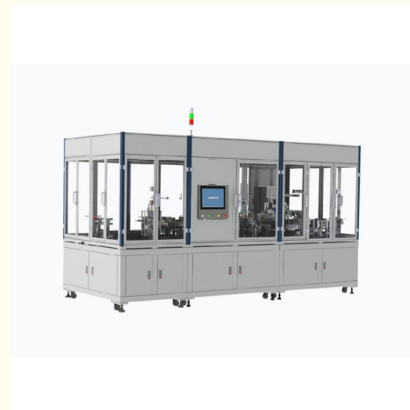
PLC / HMI Fully Automatic Medical Device Assembly Machine

Our Product Introduction

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

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: **Fully Automatic Medical Device Assembly Machine**
, PLC Medical Device Assembly Machine,
HMI Automatic Medical Device Assembly Machine

Product Description

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Product Specifications

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Industry	Medical
Type	Fully automatic
Control system	PLC, HMI
Condition	New
Warranty	One year

Distinctive Characteristics

- Aseptic Options:** Compatible with radiation/ethylene oxide sterilization
- Quick Adaptation:** Under 10-minute format conversion
- Biocompatible Construction:** All product-contact surfaces meet USP Class VI/ISO 10993
- Micro-Assembly:** Available robotic vision systems for miniature components

Common Uses

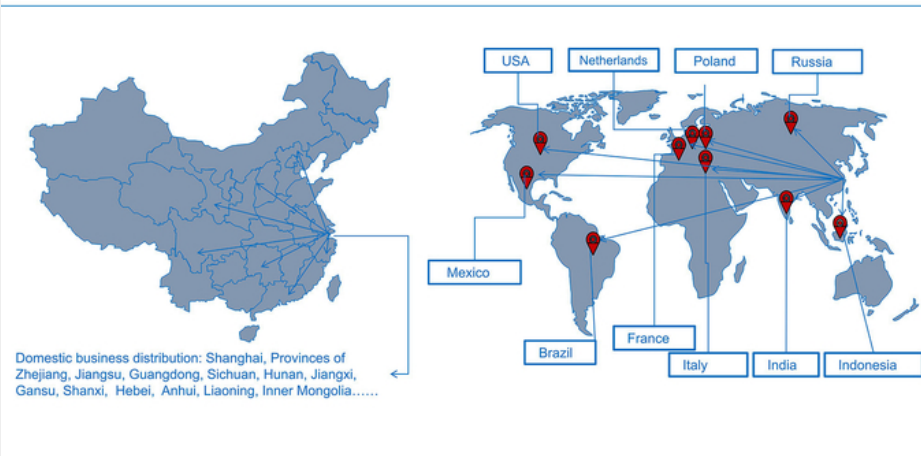
- Drug Delivery:** Prefilled syringes, insulin devices
- Fluid Therapy:** Intravenous administration sets
- Operating Room:** Single-use surgical tools
- Testing Equipment:** Diagnostic cassettes

Technical Parameters

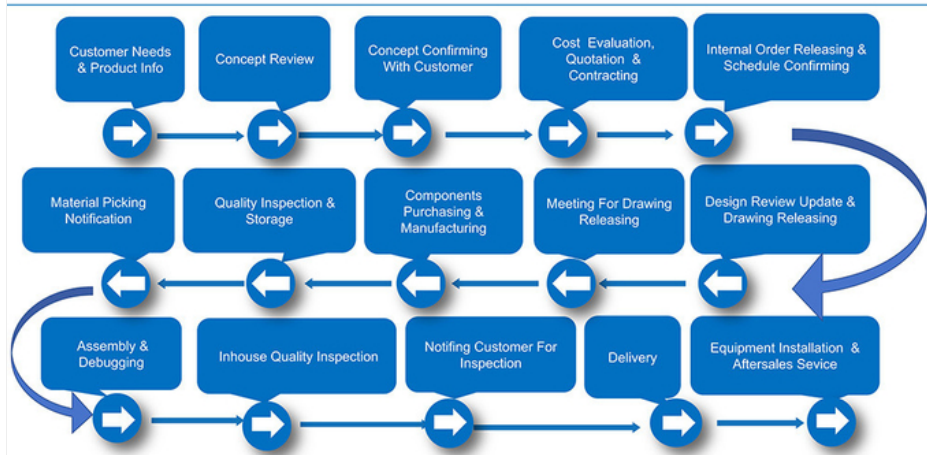
System Overview	
Production Line Span	5-30 meters (expandable modular architecture)
Output Capacity	50-300 units/minute (varies by product complexity)
Processing Stations	5-20 modules (adaptable layout)
Electrical Requirements	220V/380V AC, 50/60Hz (cleanroom-certified components)
Sterile Environment	ISO Class 5-8 (optional HEPA/ULPA filtration systems)
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)
Part Dimensions	Accommodates 5-300 mm components
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)
Microbial Check	Optional adenosine triphosphate detection

Business Global Service



We are committed to providing customers with high-quality, competitive products and services. A project cooperation process usually includes the following key steps.



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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