



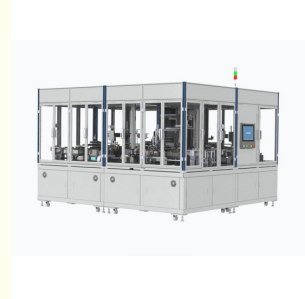
## Medical Device Assembly Machine Fully Automatic

Our Product Introduction

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### 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: Medical Device Assembly Machine,  
Fully Automatic Medical Device Assembly  
Machine

### Product Description

#### Medical device assembly machine

Rotary table machine for medical products assembly and test

Our Product Introduction

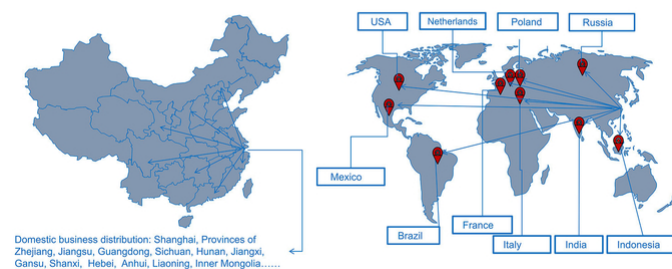
Category	Parameter	Description/Value
General Specifications	Line Length	5-30 meters (modular design)
	Production Speed	50-300 pieces/min (depending on product type)
	Workstation Number	5-20 stations (flexible configuration)
	Power Supply	220V/380V AC, 50/60Hz
	Cleanroom Compatibility	ISO Class 5-8 (optional HEPA filtration)
Assembly Module	Assembly Accuracy	±0.1 mm
	Gripper Type	Medical-grade silicone/pneumatic (FDA compliant)
	Ultrasonic Welding	20-40 kHz (for plastic components)
	Component Size Range	5-300 mm
Inspection Module	Vision System Resolution	5-10 MP (with 10-30 µm/pixel)
	Defect Detection	Particulate contamination, surface defects, dimensional accuracy
	Leak Test Sensitivity	≥1 µm (for syringes, IV bags)
	Sterility Verification	Optional ATP bioluminescence detection
Material Handling	Conveyor Type	FDA-approved belt/chain (anti-static options)
	Positioning Accuracy	±0.2 mm
	Material Compatibility	PP, PE, PVC, silicone (medical-grade)
Control System	PLC	Siemens (S7-1200/1500), Rockwell Automation
	HMI	10"-15" touchscreen (21 CFR Part 11 compliant)
	Traceability System	Barcode/RFID (UDI compliance)
	Data Integrity	Audit trail, electronic signatures (GMP requirements)
Quality Metrics	False Rejection Rate	≤0.1%
	First-Pass Yield	≥99.8%
	AQL Level	0.65 (standard sampling plan)
Environmental	Operating Temperature	18-26°C (controlled environment)
	Humidity Range	30-60% RH
	Noise Level	≤65 dB
Safety & Compliance	Regulatory Standards	ISO 13485, FDA 21 CFR Part 820, EU MDR
	Safety Features	Emergency stop, interlocks, cleanroom-grade materials
	Validation Package	IQ/OQ/PQ documentation available

Key Features:

- Sterility Assurance:** Optional gamma irradiation/EtO compatible materials
- Changeover:** <10 minutes for different product formats
- Materials:** All contact parts USP Class VI or ISO 10993 certified
- Optional:** Vision-guided robots for precise assembly of micro-components

Typical Applications:

- Syringes and injection pens
- IV sets and infusion devices
- Surgical kits and disposable instruments
- Diagnostic test cartridges



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. Our products include: Customized assembly line, testing and packaging solutions 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, steering 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:

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