



Robot Loading And Unloading Machine For Medical Device

Our Product Introduction

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Basic Information

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



Product Specification

- Name: Robot Loading And Unloading Machine
- Automation: Robotic
- Industry: Medical Device
- Controller: PLC
- Cycle Time: Customized
- Management: MES (manufacturing Execution System)
- Highlight: **Medical Device Robot Loading Unloading Machine**
, Robot Loading Unloading Machine,
Medical Device Loading Unloading Machine

Product Description

Robot Loading and Unloading Machine for Medical Device

The robotic pick and placement station will be equipped with two (per side) robots with MES (Manufacturing Execution System) management.

The robotics continuously place the parts onto the indexing conveyor fixtures in the proper radial orientation.

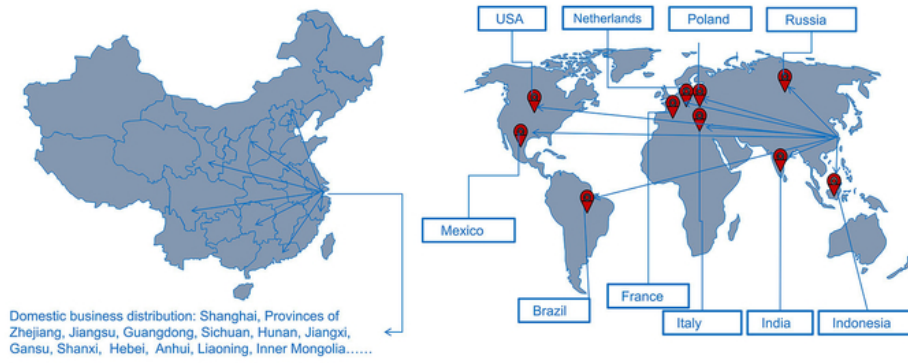
Category	Parameter	Description
General Specifications	Equipment Type	Robotic or automated system for loading/unloading in injection molding
	Compatibility	Designed for cardiac conductive wire molding applications
	Power Supply	220V/380V, 50/60Hz
	Air Pressure Requirement	0.5-0.7 MPa
	Equipment Dimensions	Varies by model (e.g., 1500mm x 1000mm x 2000mm)
	Equipment Weight	Varies by model (e.g., 500kg to 1200kg)
Loading System	Material Feeding	Automated feeding of raw materials (e.g., conductive polymers)
	Precision Placement	High-accuracy robotic arms for precise placement of materials in molds
	Mold Compatibility	Compatible with various mold sizes and designs
Unloading System	Part Handling	Gentle handling of delicate cardiac conductive wire components
	Conveyor Integration	Integrated conveyor system for transferring finished parts
	Sorting & Inspection	Optional vision systems for quality inspection and sorting
Automation Level	Control System	PLC-based control with touchscreen HMI for easy operation
	Cycle Time	Optimized for high-speed production (e.g., 10-30 seconds per cycle)
	Integration with Molding Machine	Seamless integration with injection molding machines
Material Handling	Material Compatibility	Compatible with conductive polymers, thermoplastics, and other materials
	Part Size Range	Adjustable for small to medium-sized cardiac wire components
Safety Features	Emergency Stop	Instantly halts equipment operation in case of emergency
	Safety Guards	Enclosed safety guards to protect operators
	Collision Detection	Sensors to detect and prevent collisions during operation
Maintenance & Durability	Maintenance Requirements	Regular lubrication and part replacement as per manufacturer guidelines
	Equipment Lifespan	Designed for long-term use with durable components
Customization Options	Mold Changeover	Quick mold changeover capability for flexible production
	Part Complexity Handling	Capable of handling intricate geometries of cardiac conductive wires
	Integration with Other Systems	Can be integrated with upstream/downstream production lines

Quanstar Intelligent Controls (Shanghai) Co.,Ltd. specialized in creating custom automation solutions tailored to each client's need. We have a high reputation for providing custom automated manufacturing, processing, assembling and packing solutions for all industries including:

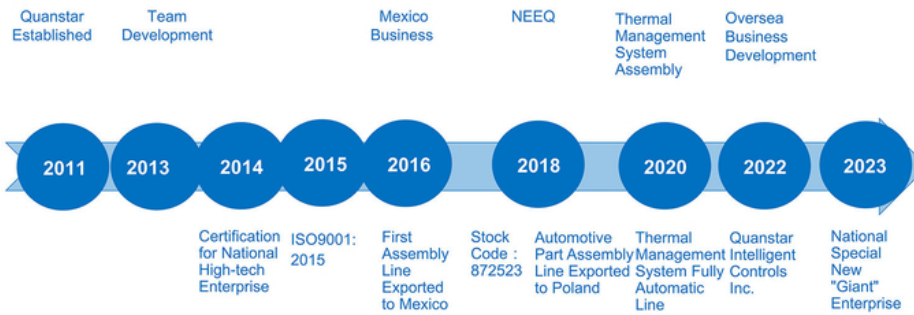
- Automotive
- Medical
- Healthcare
- Industrial
- Cosmetics
- Commodities

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



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.



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