



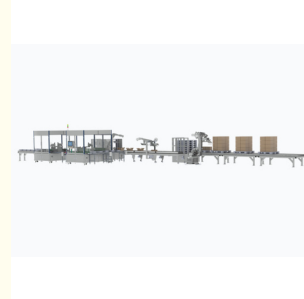
Cosmetic Lotion Packaging Automation Of Assembly

Our Product Introduction

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Basic Information

- Place of Origin: Shanghai
- Brand Name: Quanstar
- Certification: ISO
- Packaging Details: wooden box
- Delivery Time: 90 days
- Payment Terms: L/C,T/T



Product Specification

- Name: Cosmetic Lotion Packaging Automation Of Assembly
- Application: Cosmetic Containers
- Cycle Time: Customized
- Operation: Fully Automatic
- Control System: PLC, HMI
- Software: SCADA, MES
- Highlight: Assembly Cosmetic lotion packaging automation
, Cosmetic lotion packaging automation,
Cosmetic lotion packaging automation assembly

Product Description

Cosmetic lotion packaging automation of assembly

Automation technology:

automation transformation technology of punch presses and bending machines (replacing human workers with robots).

Technologies such as automatic material storage, automatic bending, automatic plate shearing, automatic dimensional inspection, automatic gluing, automatic riveting, automatic welding (resistance welding), automatic packaging, and automatic handling.

A mixed-line production system has been developed for the elevator industry, which can achieve automatic production according to the contract number and operate fully parameterized and automatically, solving the pain points of the industry such as a large variety of products and significant changes in product dimensions.

The automatic material storage can realize the separation of multiple materials and the detection of single and double sheets.

The automatic dimensional inspection can be used for the inspection of the length, width, height dimensions of sheet metal parts and the angle dimensions after bending.

The automatic bending can be carried out automatically according to the contract number.

The automatic blanking realizes the automatic transfer of finished products through AGV.

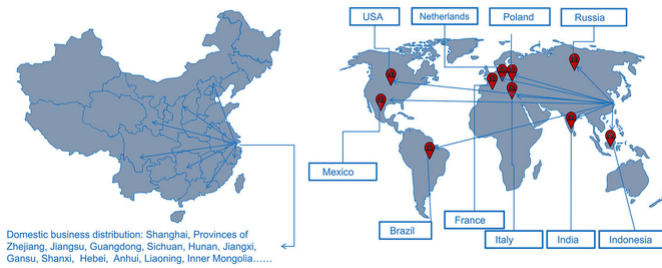
Our Product Introduction

Key Parameters:

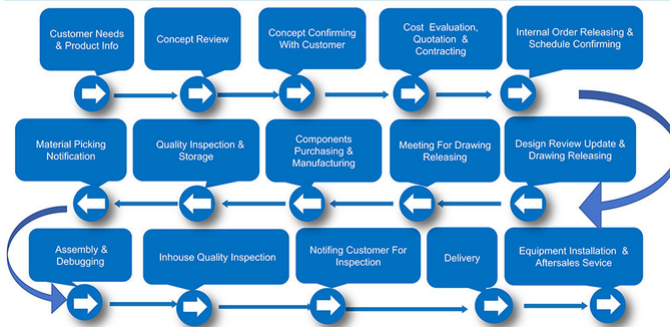
Category	Parameter	Description/Value
General Specifications	Line Length	5-30 meters (adjustable based on layout)
	Production Speed	30-200 bottles/min (depends on bottle size & viscosity)
	Workstation Number	4-15 modular stations
	Power Supply	220-480V AC, 50/60Hz, 3-phase
	Compressed Air Requirement	0.4-0.6 MPa, ~50 L/min
Filling Module	Filling Accuracy	±0.5-1.0 mL (depends on pump type)
	Filling Range	10 mL - 1 L (adjustable nozzles)
	Pump Type	Piston pump/peristaltic pump (stainless steel or food-grade silicone)
	Viscosity Handling	500-50,000 cP (adjustable for serums, creams, etc.)
Capping Module	Torque Control	0.5-10 Nm (for screw caps, snap caps, or pumps)
	Cap Types Supported	Screw caps, flip-tops, droppers, sprayers
	Mis-thread Detection	Yes (automated rejection)
Labeling Module	Labeling Accuracy	±0.2 mm (positioning)
	Label Types	Wrap-around, front/back, sleeves (paper, PP, PET)
	Print Verification	Barcode, QR code, expiry date (OCR/vision-based)
Inspection Module	Vision System Resolution	2-8 MP (for fill level, cap alignment, label defects)
	Defect Detection	Leaks, underfill/overfill, cap tilt, label wrinkles
	Camera Type	CCD/CMOS (2D/3D for shape inspection)
	Lighting System	LED coaxial/diffused (anti-glare for glossy bottles)
Conveyance System	Conveyor Type	Belt/chain (food-grade stainless steel or plastic)
	Bottle Material Handling	Glass, PET, PP (custom guides for different shapes)
	Positioning Accuracy	±0.5 mm (for rotary indexing)
Control System	PLC	Siemens/Bosch Rexroth (e.g., S7-1200, IndraLogic)
	HMI	10"-15" touchscreen (multi-language, recipe management)
	Communication Protocol	Ethernet/IP, PROFINET, OPC UA
	Data Tracking	Batch logging, MES integration (optional)
Quality Metrics	False Rejection Rate	≤0.3%
	First-Pass Yield	≥99.5%
	Changeover Time	<15 mins (quick-adjust mechanisms)
Environmental	Cleanroom Compatibility	ISO Class 8-5 (optional HEPA filtration)
	Operating Temperature	15-30°C
	Humidity Range	30-70% RH (non-condensing)
Safety & Compliance	Safety Standards	ISO 22716 (GMP), CE/FDA-compliant materials
	Protective Measures	Safety guards, E-stop, CIP (Clean-in-Place) capability

Key Notes:

- Flexibility:** Handles various bottle shapes (round, square, oval) and sizes (10 mL–1 L).
- Optional Add-ons:** Leak detection (pressure decay test), anti-counterfeit labeling, robotic palletizing.
- Materials:** All contact parts FDA/USP Class VI certified for cosmetics.



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 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.

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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