

Desktop Dispensing Robot for LED Reflective Light Coating

This desktop industrial robot is designed for precise dispensing applications, particularly for coating LED reflective lights. It features a 2600ml tank for holding coating materials.



ADDITIONAL IMAGES



Overview

Precision Dispensing for LED Manufacturing

This desktop industrial robot is engineered for high-precision dispensing of high-viscosity fluids, specifically optimized for LED reflective light coating applications. Featuring a large 2600ml tank system, it ensures consistent, uniform bead dispensing while significantly increasing production efficiency and reducing material waste. With advanced motion control and programmable patterns, it offers manufacturers a reliable solution for improving product quality and lowering overall production costs.

Technical Specifications

Model Specifications

Feature	300 Series	400 Series	500 Series
Working Range (mm)	300 x 300 x 100	400 x 400 x 100	500 x 500 x 100
Dimensions (mm)	500 x 580 x 610	600 x 680 x 610	700 x 780 x 610
Weight (kg)	35	36	42

Performance Metrics

0.02 mm
Repeatability

8 kg
Max Load (XY)

2 kg
Max Load (Z)

600 mm/s
XY Speed

Dispensing Capabilities

Compatible Materials	Adhesive, Glue, Silicone, RTV, Sealant, Paste Adhesive
Dispensing Patterns	3D Lines, Circles, Arcs, Continuous Paths, XYZ Simultaneous

System & Control

Programming Method	Teach pendant
Data Memory Capacity	999 programs
I/O Signals	4 Inputs / 4 Outputs
Drive System	Micro-stepper motor with Timing Belt/Precision Linear Guides

Accessories Included

Standard Accessory Kit

- Robotic Unit
- Teach pendant with fix frame
- 2600ml Tank
- Rotary valve cartridge
- Dispenser fix frame
- Air tube
- Manual and Video Tutorial (U disk)
- CE Certificate