

4-Axis Benchtop Dispensing Robot

This automated dispensing robot is easy to program and quick to set up with specialized PLC dispensing software and CAD download capabilities. True four-dimensional motion control allows easy programming of dots, stripes, arcs, compound arcs and patterns on different planes.



ADDITIONAL IMAGES



Overview

Precision 4-Axis Dispensing Solution

This 4-axis benchtop dispensing robot is engineered for high-precision, automated application of adhesives, sealants, and fluids. Featuring full 4-axis simultaneous positioning and a 360° rotating R-axis, it excels at complex dispensing tasks on curved or vertical surfaces. Designed with a robust, lightweight structure, this system improves production efficiency, ensures consistent quality, and significantly reduces material waste in manufacturing environments.

Technical Specifications

Working Range (X, Y Axis)	400 mm
Working Range (Z Axis)	100 mm
R Axis Rotation	±360°
Power Consumption	300 W
Operating Voltage	110V, 220V

Performance Metrics

Program Capacity

9999 count
Programs

8000 points
Data Points

Operating Environment

Parameter	Range
Temperature	0-40°C
Relative Humidity	20-90% (No condensation)

Connectivity & Control

External I/O

- 4 Inputs / 4 Outputs (Standard)
- 16 Inputs / 16 Outputs (Extensible)
- USB Interface
- Teach Pendant Port

Compatibility

Supported Liquid Materials

Adhesive • Glue • Silicone • RTV • Cyanoacrylate • Grease • Anaerobic • UV Cure Resins

Included Accessories

Standard Accessory List

Item	Quantity
Dispensing Robot Unit	1
Teach Pendant with Frame	1
Teach Pendant Cable	1
Dispensing Signal Line	1
Dispenser Fix Frame	1
Power Cord	1
U Disk (Manual/Video)	1