

Benchtop Fluid Dispensing Robot

This benchtop dispensing robot is designed for precise and automated fluid dispensing applications. It features a precision valve dispensing system, ensuring accurate and repeatable dispensing volumes.



ADDITIONAL IMAGES



Overview

Precision Fluid Dispensing Solution

This benchtop dispensing robot is engineered for high-precision coating and fluid application in mass production environments. Featuring a specialized precision suck-back valve, it ensures clean, drip-free dispensing of UV adhesives, glues, and lubricants. The system is designed to significantly enhance production efficiency, improve product quality, and minimize material waste, offering a reliable solution for electronics, automotive, and medical device manufacturing.

Model Specifications

Model Comparison

Model	Working Range (mm)	Dimensions (WxDxH mm)	Weight (kg)
TH-2004D-300	300 x 300 x 100	500 x 580 x 610	45
TH-2004D-400	400 x 400 x 100	600 x 680 x 610	49
TH-2004D-500	500 x 500 x 100	700 x 780 x 610	57

Performance Capabilities

Max Load Capacity

10 kg

XY Axis

3 kg

Z Axis

Supported Patterns

3D Lines, Circles, Arcs, Continuous Paths, XYZ Simultaneous

Operational Details

Compatible Materials

UV Adhesive • Glue • Cyanoacrylate • Oil

Available Tank Capacities

- 0.5 Liter
- 2 Liter
- 4 Liter
- 20 Liter

Certifications

CE Approved

Power Supply

AC110V/220V Internal conversion

Operating Temperature

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