

# Benchtop Epoxy Resin Dispensing Robot with Automatic Cleaning

This automated benchtop dispensing robot is designed for the precise application of epoxy resin. It features a robotic arm for accurate dispensing, an integrated control system, and an automatic cleaning function.



## ADDITIONAL IMAGES



## Overview

### Precision Benchtop Dispensing System

This benchtop dispensing robot is engineered for the precise application of epoxy resins and two-component adhesives. It features an integrated automatic cleaning function to minimize downtime and ensure consistent nozzle performance. Designed for industrial efficiency, the system supports complex dispensing patterns including 3D lines, circles, and arcs with high repeatability.

## System Performance

### Dispensing Capabilities

**10000 cps**  
Max Viscosity

**1 1:1**  
Min Mixing Ratio

**3 1:3**  
Max Mixing Ratio

### Supported Materials

Epoxy Resin, AB Glue, AB Adhesive, Two-Component Adhesives

## Technical Specifications

### Model Comparison

Model	Working Range (mm)	Dimensions (mm)	Weight (kg)
TH-2004D-300	300 x 300 x 100	500 x 580 x 610	34
TH-2004D-400	400 x 400 x 100	600 x 680 x 610	39
TH-2004D-500	500 x 500 x 100	700 x 780 x 610	46

### Motion Control

- Precision micro-stepper motor drive
- Timing belt transmission
- Precision linear guides
- 800/350 mm/axis speed

### Maximum Load

10 kg

## Operation & Control

Programming Interface	Handheld Programmer with LCD display
Program Memory	9999
I/O Signals	4 Inputs / 4 Outputs
Dispensing Patterns	3D Lines, Circles, Arcs, Continuous Paths, XYZ Simultaneous

## Compliance & Environment

### Certifications

CE Approved

### Operating Environment

0-40°C Temperature, 20-90% Relative Humidity (no condensation)