

Benchtop Conformal Coating Dispensing Robot

This benchtop dispensing robot is designed for precise conformal coating spraying applications. The XYZ axis features linear guide rails and precision stepper motors for stable and accurate movement.



ADDITIONAL IMAGES



Overview

Precision Conformal Coating Solution

This benchtop dispensing robot is engineered for high-precision conformal coating spraying, ideal for electronics, automotive, and aerospace applications. It features a robust PLC-controlled system with dedicated software, eliminating the need for complex robot language programming. With dual linear guide rails on each axis and Z-axis brake motors, it ensures exceptional stability, motion accuracy, and uniform coating thickness while minimizing material waste.

Key Features

Core Features

- PLC Controller with dedicated dispensing software
- Dual linear guide rails on each axis for stability
- Z-axis brake motors for motion accuracy
- Handheld programmer for intuitive operation
- Compatible with multiple tank sizes (0.5L to 20L)

Performance Metrics

Performance Highlights

300 mm/s

Max Spraying Speed

10000 cps

Max Viscosity

0.01 mm

Dispensing Accuracy

Technical Specifications

Model Specifications

Model	Working Range (mm)	Dimensions (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

Operating Environment

Temperature: 0-40°C, Humidity: 20-90% (Non-condensing), AC110V/220V Power Supply

Compliance & Standards

Certifications

CE Approved