

Benchtop Hot Melt Adhesive Dispensing Robot

This benchtop robot is designed for the precise application of hot melt adhesives. Its XYZ axes feature linear guide rails and stepper motors for stable and accurate dispensing.

天章点胶机器人
TIANZHANG DISPENSING ROBOT



CE SGS

ADDITIONAL IMAGES



Overview

Precision Hot Melt Dispensing Solution

This benchtop dispensing robot is engineered for high-precision application of hot melt adhesives, featuring an integrated heating tank system that minimizes the need for frequent refills. Designed for versatility, it supports both granular and striped solid hot glue, ensuring consistent performance for industrial applications like coating, filling, and bonding. With advanced programmable control and a precision suck-back valve, the system eliminates dripping and maximizes production efficiency while reducing material waste.

Technical Specifications

Working Range by Model

Model	Working Range (X/Y/Z)	Dimensions (WxDxH)	Weight
TH-2004D-300	300 x 300 x 100mm	500 x 580 x 610mm	60
TH-2004D-400	400 x 400 x 100mm	600 x 680 x 610mm	65
TH-2004D-500	500 x 500 x 100mm	700 x 780 x 610mm	72

Performance Metrics

10 kg

XY/Z Max Load

9999 programs

Program Memory Capacity

800 mm/s

XY Speed

System Capabilities

- 3D Lines
- Circles
- Arcs
- Continuous Paths
- XYZ simultaneous (CP) 3D

Operating Environment

Operating Environment

- Working Temperature: 0–40°C
- Relative Humidity: 20–90% (no condensation)

Certifications

Compliance & Certifications

CE Approved • SGS

Included Accessories

Included Accessory Kit

- Robotic unit
- Hot melt tank controllers
- Dispenser fix frame
- Heating valve
- Teach pendant
- U disk (video/manual)
- Ex-work Report
- Machinery certificate
- Warranty card
- CE certificate