

Valve Series XYZ Robot

3 Axis Tabletop Automated Dispensing System



Easy Automation for Precision Dispensing with Teach Pendant Programming

Nordson Sealant Equipment's Valve Series automated dispensing system features a simple-to-use Teach Pendant for quick setup and easy programming.

Precision. As Standard.

- Meter mounted directly to the robot gantry facilitates a close-coupled, hose-free valve installation for the application of wide and difficult ratio materials that otherwise could not be accurately dispensed through hoses.
- Simple-to-use teach pendant for quick setup and easy programming

Precision. As Standard.

- **Affordable** – Tabletop automated dispense system can simplify the steps needed to upgrade your process.
- **Accurate** – Precision motion control results in repeatable production quality.
- **Durable** – Robust construction provides movement stability at high speeds.
- **Dependable** – High payload range allows for greater manufacturing flexibility.
- **Reduce Downtime** – Easy to use controls reduce set up time between production runs.

Diversity to Suit Your Application Need

- **Advanced Valve Technology** – Snuf-Bak™ or No-Drip® valve options allow precision handling of both high and low viscosity materials.
- **3D Applications** – XYZ three-dimensional motion control dispenses dots, lines, potting, filling, encapsulation, sealing, coating and more.
- **Simplified Setup** – Program yourself via simple-to-use teach pendant or file importation.



Application Solutions

- **Small Batch Assembly and Testing**
- **Aircraft and Aerospace**
- **Battery**
- **Electronics and Electrical**
- **Filters**
- **Lighting and LED**
- **General Product Assembly**

Technical Specification

System Specifications

Maximum Working Area (X/Y/Z)	16" / 16" / 4" (400 / 400 / 100 mm)
Number of Axes	3
Drive System	3-phase micro-stepping motor
Maximum Valve Payload	21 lbs (10 kg)
Maximum Speed (XY/Z)	31/13 in/s (800/320 mm/s)
Repeatability	+/- 0.008 mm/axis

Controls and Interface

Input/Output	8 inputs/8 outputs
Memory Capacity	1-99 programs
Data Storage	USB
Drive Method	PTP and CP
Power Supply	Auto-switching, AC100-240V, 200W
Teach Pendant	Included

Physical Size

Height (A)	32.5" (825 mm)
Width (B)	23.2" (590 mm)
Depth (C)	25" (635 mm)
Weight	98 lbs (44.5 kg)

Part Numbers

7440648	400 x 400 sized table
7440649	Communications cable
7440650	Valve mounting bracket



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