

Meter Series XYZ Robot

3 Axis Tabletop Automated Dispensing System



Easy Automation for Precision Dispensing with Teach Pendant Programming

By integrating automated dispensing, manufacturers experience faster cycle and batch times with reduced production and material costs

- 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.

- **High Payload** – Capacity enables full sized meters to be mounted directly to the gantry - providing greater shot accuracy with wide and difficult ratio materials.
- **Accurate** – Precision motion control and a hose-free valve mounting - direct to the meter - result in repeatable production quality, even for small shots (<0.5 cc) without sacrificing ratio or volume accuracy.
- **Flexible** – Large mounting area for auxiliary tools that complement the dispensing process – such as surface treatment and inspection devices.
- **Affordable** – Tabletop automated dispense system can simplify the steps needed to upgrade your process.
- **Durable** – Robust construction provides movement stability at high speeds.
- **Reduce Downtime** – Easy to use controls reduce set up time between production runs.
- **Compact, Easy Installation** – Robot mounted meter and valve system reduces complexity and total system footprint.



Application Solutions

- **Small Batch Assembly and Testing**
- **Aircraft and Aerospace**
- **Battery Cell Assembly**
- **Electronics and Electrical**
- **Lighting and LED**

Technical Specification

System Specifications

Maximum Working Area (X/Y/Z)	16 in / 16 in / 6 in (400 / 400 / 150 mm)
Number of Axes	3
Drive System	Servo Driven Ballscrew
Maximum Tool Payload	44 lbs (20 kg)
Maximum Part Payload	80 lbs (36 kg)
Maximum Speed X/Y Axis	500 mm/sec
Maximum Speed Z Axis w/ 39-44 lbs tool weight w/ 30-38 lbs tool weight w/ <30 lbs tool weight	180 mm/sec 200 mm/sec 220 mm/sec
Repeatability	+/- 0.01 mm

Physical Size

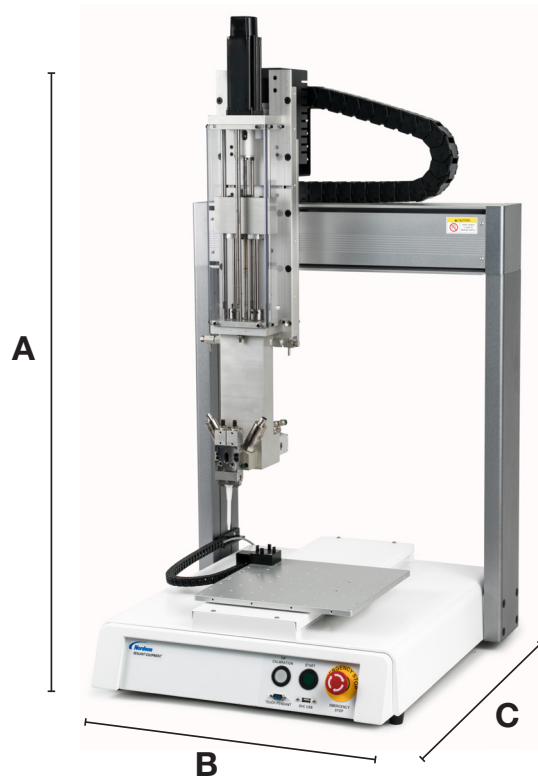
Height (A)	44 in (111.8 cm)
Width (B)	25.25 in (64.2 cm)
Depth (C)	28 in (71.1 cm)
Weight	137 lbs (62.14 kg)

Part Number

7442983	Meter series XYZ Assembly w/ Accessories
Included Accessories :	Communications Cable
	Teach Pendant
	Meter Mounting Bracket
	Tool Tip Calibration Unit

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



Universal Nordson Meter Mounting
Shown here with the 801 Series Meter, the Universal mounting bracket maintains a tight center of gravity, while offering easy and adjustable mounting solutions for our entire Micro-Meter line, including the 391, 202, DS-801 and Angstrom Meters.

Discover more online: www.nordson.com\MeterSeriesXYZ

Looking for a simple 3-Axis automated dispensing system that brings repeatability and precision to desktop applications, and is suitable for floor mounted meter installations? Navigate to our Valve Series XYZ Robot online: www.nordson.com/ValveSeriesXYZ

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Performance by design