

# 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

<b>Maximum Working Area (X/Y/Z)</b>	16 in / 16 in / 6 in (400 / 400 / 150 mm)
<b>Number of Axes</b>	3
<b>Drive System</b>	Servo Driven Ballscrew
<b>Maximum Tool Payload</b>	44 lbs (20 kg)
<b>Maximum Part Payload</b>	80 lbs (36 kg)
<b>Maximum Speed X/Y Axis</b>	19.7 in/sec (500 mm/sec)
<b>Maximum Speed Z Axis :</b>	
with <30 lbs tool weight	8.6 in/sec (220 mm/sec)
with 30-38 lbs tool weight	7.87 in/sec (200 mm/sec)
with 39-44 lbs tool weight	7 in/sec (180 mm/sec)
<b>Repeatability</b>	+/- 0.01 mm

## Physical Size

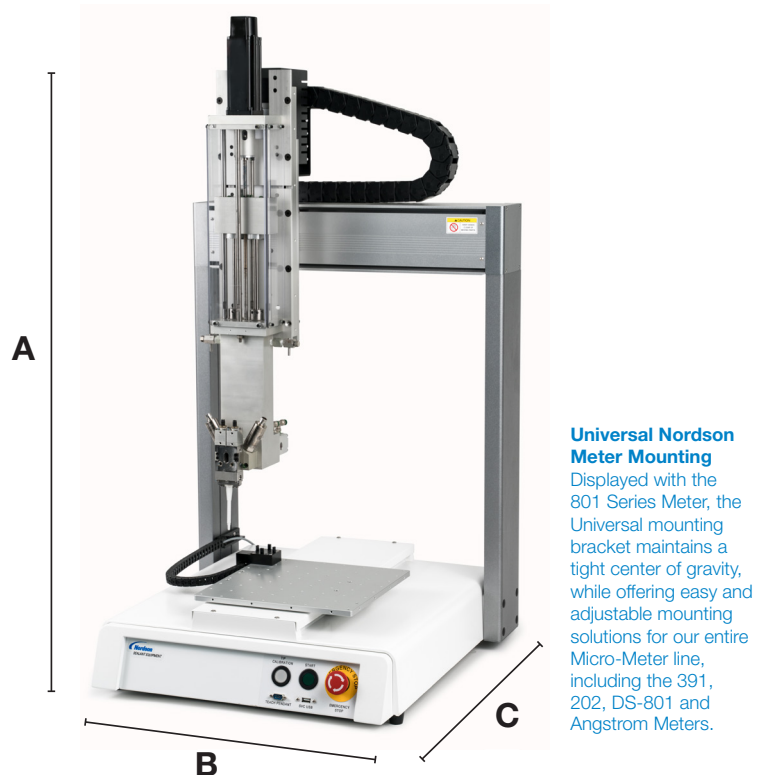
<b>Height (A)</b>	44 in (111.8 cm)
<b>Width (B)</b>	25.25 in (64.2 cm)
<b>Depth (C)</b>	28 in (71.1 cm)
<b>Weight</b>	137 lbs (62.14 kg)

## Part Number

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

## Controls and Interface

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



Discover more online: [www.nordson.com\MeterSeriesXYZ](http://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](http://www.nordson.com/ValveSeriesXYZ)

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## Nordson SEALANT EQUIPMENT

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