

# 494 Series

Air-Over-Oil or Servo Drive Meter System



## Positive Rod Displacement, Fixed Ratio Meter, Mix, and Dispense System

### System Specifications

Metering Principle	Positive Rod Displacement
Drive Type	Air-Over-Oil or Servo
Material Delivery	Shot or Bead
Shot Size Range	Up to 141 cc at 1:1 Ratio
Ratio Range	1:1 up to 10:1
Viscosity Range	Liquid to Paste
Supply Type	Pump or Tank

### Application Solutions

- Aircraft and Aerospace
- Electronics and Electrical
- Appliance
- Filters
- Battery
- Lighting and LED
- Construction
- Solar and Wind Power

### Benefits

#### ■ Longer Lifespan

- Heavy duty packings and seals minimize wear and increase lifespan for dispensing abrasive and heavily filled materials
- Hardened meter rods never touch meter cylinder walls, reducing the need for preventative maintenance over time

#### ■ Quality Dispensing

- Positive rod displacement metering combined with Air-Over-Oil or Servo drive technology proportion material to the manufacturer's exact volumetric ratio
- Controlled flow rate and mixed material dispense volumes meet customer specifications

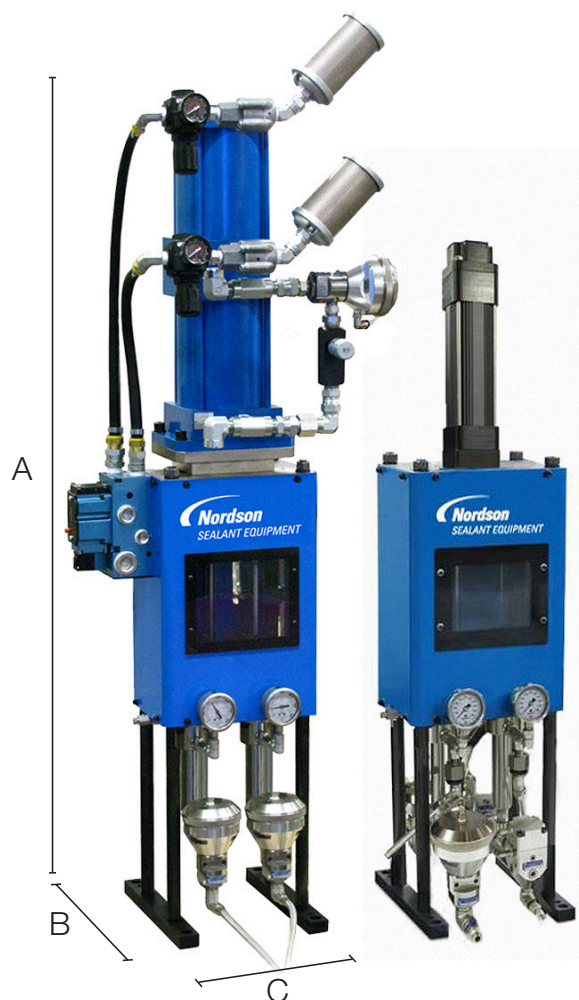
#### ■ Exact Consistency

- Power inlet and outlet valves eliminate material bypass and ensure ratio precision and consistency



### Features

- Constant or variable flow rate
- Constant or variable bead diameter
- Shot size and flow rate adjustment using HMI
- Low cost repair and easy maintenance
- Does not use check valves
- Uses roller screw technology instead of ball screw
- Less exposure to off ratio conditions
- Uses electronic pressure monitoring to ensure consistent process parameters part to part
- Ideal for higher viscosity materials



## System Specifications

Height (A)	56" (143 cm)
Depth (B)	24" (61 cm)
Width (C)	17" max (44 cm)
Weight	140 lbs. (64 kg) Machine only, without material, valves, fittings, hoses, etc.

## Technical Data

Ratio	Volume (max)**	Power Factor (min/max)**
1:1	141.5 cc's	18:1 / 338:1
2:1	106.1 cc's	24:1 / 1541:1
4:1	88.4 cc's	29:1 / 1837:1
6:1	82.5 cc's	31:1 / 1975:1
8:1	79.6 cc's	32:1 / 2050:1
10:1	77.8 cc's	33:1 / 2090:1

\*Estimate only. Material ratios and viscosities will affect actual meter capability.  
+Consult your Nordson representative with application specifics for accurate meter capabilities.

## Available Models

Air-Over-Oil Drive Motor Model	Ultrasonic positioning sensor
	Up to 255 programmable dispense volumes
	Ideal for potting applications
Servo Drive Motor Model	On demand variable servo control
	Up to 255 programmable dispense volumes
	4 segment dispense volume control Ideal for bead or potting applications

For more information, speak with your Nordson representative or contact your Nordson regional office.

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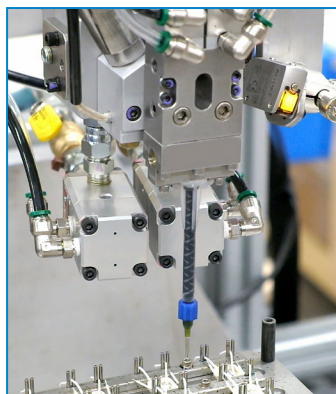
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**Bead Dispensing**



**Electronic Potting**



**Filter Molding**