

488 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 1,359 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
- Up to 10 times greater meter capacity over 690 and 494 series meters

System Specifications

| | |
|------------|--|
| Height (A) | 103" (262 cm) |
| Depth (B) | 34" (86 cm) |
| Width (C) | 24" (61 cm) |
| Weight | 400 lbs. (182 kg) Machine only, without material, valves, fittings, hoses, etc. |

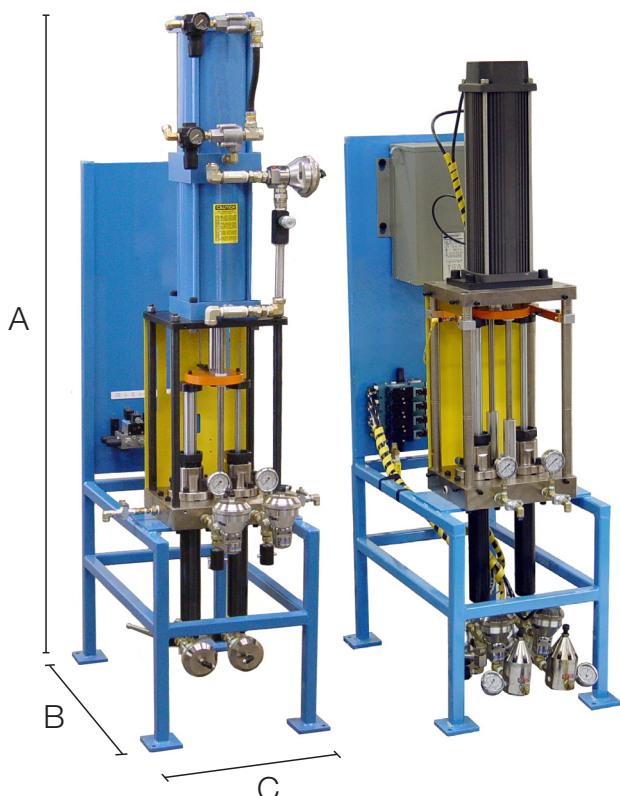
Technical Data

| Ratio | Volume (max)** | Power Factor (min/max)** |
|-------|----------------|--------------------------|
| 1:1 | 1359.4 cc's | 7:1 / 85:1 |
| 2:1 | 1019.4 cc's | 10:1 / 111:1 |
| 4:1 | 849.8 cc's | 12:1 / 137:1 |
| 6:1 | 793.0 cc's | 12:1 / 146:1 |
| 8:1 | 764.7 cc's | 13:1 / 152:1 |
| 10:1 | 747.7 cc's | 13:1 / 155:1 |

*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 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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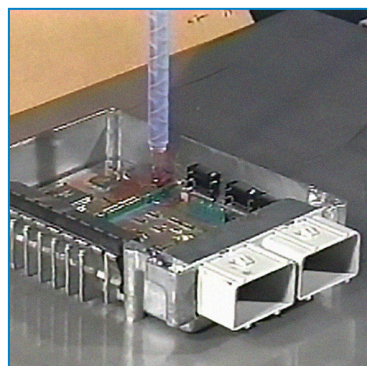
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Bead Dispensing



Electronic Potting



Filter Molding

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