

Positive Rod Displacement, Variable Ratio Meter, Mix, and Dispense System

System Specifications

Metering Principle	Positive Rod Displacement
Drive Type	Dual Servo
Material Delivery	Shot or Bead
Shot Size Range	Up to 540 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 to reduce the need for preventative maintenance over time

■ Quality Dispensing

- Positive rod displacement metering combined with dual servo drive technology proportions materials to the manufacturer's exact volumetric ratio
- Controlled flow rate and mixed material dispense volumes meet customer specifications

■ Exact Consistency

- Power inlet valve eliminates material bypass to ensure ratio precision and consistency

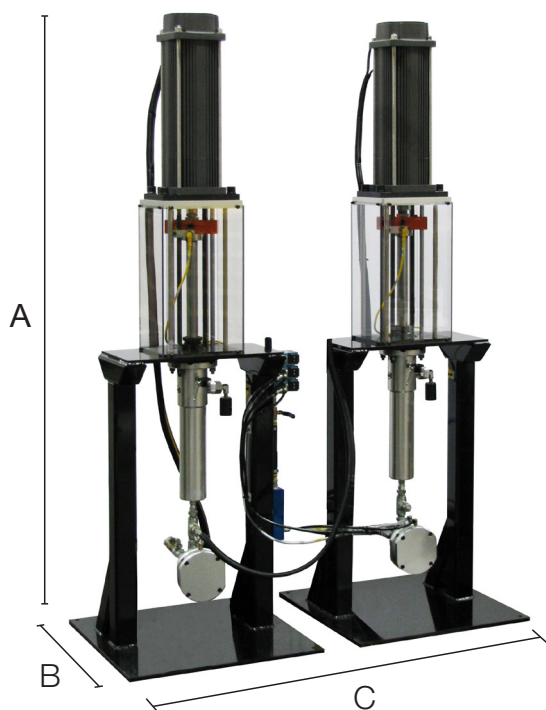
■ Dual Servo Drive

- Variable ratio programmable via HMI
- Allows for independent material system pre-pressure to application point
- Programmable pause-reload technology eliminates system cavitation



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
- Real time material ratio bar graph display
- Real time system pressure bar graph display
- Up to 255 programmable dispense volumes
- 4 segment dispense volume control
- Ideal for bead or potting applications
- Ideal for higher viscosity materials and larger dispense volumes



System Specifications*

Height (A)	78" (198 cm)
Depth (B)	26" (66 cm)
Width (C)	52" (132 cm)
Weight	920 lbs (417 kg) Machine only, without material, valves, fittings, hoses, etc.

*Dimensions and weight listed are for dual meters on mounting frame.

Technical Data

Ratio	Volume (max)**
1:1	540 cc's
2:1	405 cc's
4:1	338 cc's
6:1	315 cc's
8:1	300 cc's
10:1	290 cc's

*Estimate only. Material ratios and viscosities will affect actual meter capability.

+Consult your Nordson representative with application specifics for accurate meter capabilities.

Available Options*

Floor mount stand
Can be combined with -MV or -LV models

*Consult your Nordson representative for additional options.

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

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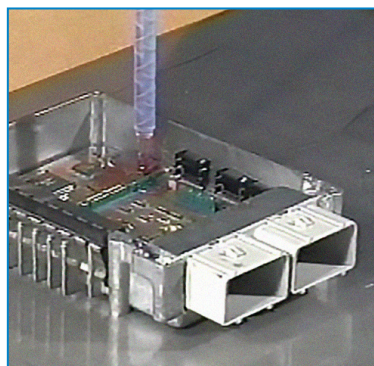
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Bead Dispensing



Electronic Potting



Filter Molding

105-LV

Dual Servo Drive Meter System



Positive Rod Displacement, Variable Ratio Meter, Mix, and Dispense System

System Specifications

Metering Principle	Positive Rod Displacement
Drive Type	Dual Servo
Material Delivery	Shot or Bead
Shot Size Range	Up to 18 cc at 1:1 Ratio
Ratio Range	1:1 up to 10:1
Viscosity Range	Liquid to Light 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 to reduce the need for preventative maintenance over time
- **Quality Dispensing**
 - Positive rod displacement metering combined with dual servo drive technology proportions materials to the manufacturer's exact volumetric ratio
 - Controlled flow rate and mixed material dispense volumes meet customer specifications
- **Exact Consistency**
 - Power inlet valve eliminates material bypass to ensure ratio precision and consistency
- **Dual Servo Drive**
 - Variable ratio programmable via HMI
 - Allows for independent material system pre-pressure to application point
 - Programmable pause-reload technology eliminates system cavitation

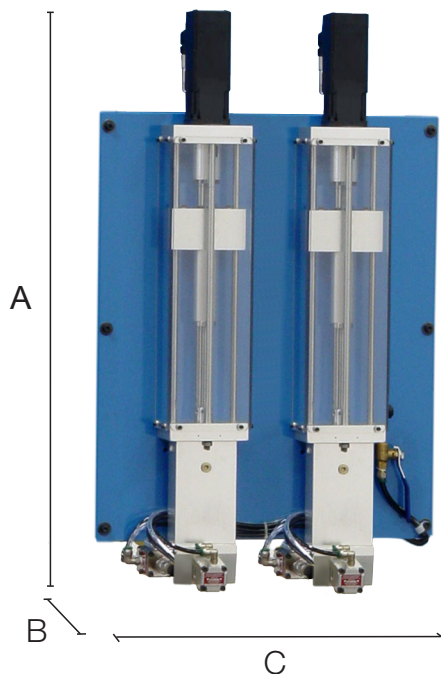


Frame Mount

Plate Mount

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 ball screw technology
- Less exposure to off ratio conditions
- Uses electronic pressure monitoring to ensure consistent process parameters part to part
- Real time material ratio bar graph display
- Real time system pressure bar graph display
- Up to 255 programmable dispense volumes
- 4 segment dispense volume control
- Ideal for bead or potting applications



System Specifications*

Height (A)	32" (81.5 cm)
Depth (B)	5" (13 cm)
Width (C)	18" (46 cm)
Weight	40 lbs (19 kg) Machine only, without material, valves, fittings, hoses, etc.

*Dimensions and weight listed are for dual meters on mounting plate.

Technical Data

Ratio	Volume (max)**
1:1	18 cc's
2:1	12.5 cc's
4:1	11.25 cc's
6:1	10.5 cc's
8:1	10 cc's
10:1	9 cc's

*Estimate only. Material ratios and viscosities will affect actual meter capability.

+Consult your Nordson representative with application specifics for accurate meter capabilities.

Available Options*

Floor mount stand
Bench top mounting stand
Remote plate mounting

*Consult your Nordson representative for additional options.

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

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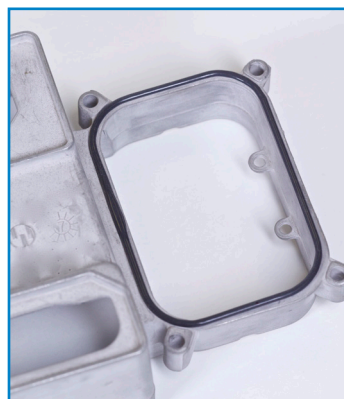
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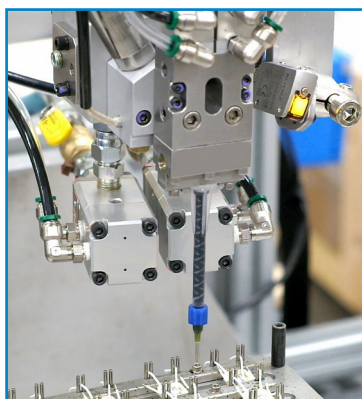
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Gasketing



Electronic Potting



Small Volume Potting

105-MV

Dual Servo Drive Meter System



Positive Rod Displacement, Variable Ratio Meter, Mix, and Dispense System

System Specifications

Metering Principle	Positive Rod Displacement
Drive Type	Dual Servo
Material Delivery	Shot or Bead
Shot Size Range	Up to 140 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

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- Less exposure to off ratio conditions
- Uses electronic pressure monitoring to ensure consistent process parameters part to part
- Real time material ratio bar graph display
- Real time system pressure bar graph display
- Up to 255 programmable dispense volumes
- 4 segment dispense volume control
- Ideal for bead or potting applications
- Ideal for higher viscosity materials and larger dispense volumes



System Specifications*

Height (A)	54" (138 cm)
Depth (B)	24" (61 cm)
Width (C)	17" (44 cm)
Weight	185 lbs (84 kg) Machine only, without material, valves, fittings, hoses, etc.

*Dimensions and weight listed are for dual meters on mounting frame.

Technical Data

Ratio	Volume (max)**
1:1	140 cc's
2:1	105 cc's
4:1	87 cc's
6:1	81 cc's
8:1	79 cc's
10:1	76 cc's

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

Available Options*

Floor mount stand
Bench top mounting stand

*Consult your Nordson representative for additional options.

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

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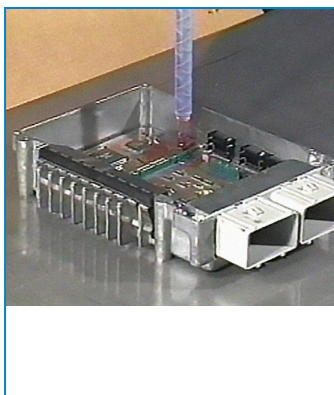
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Bead Dispensing



Electronic Potting



Filter Molding