105-MV
Dual Servo Drive Meter System

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

System Specifications

<table>
<thead>
<tr>
<th>Category</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metering Principle</td>
<td>Positive Rod Displacement</td>
</tr>
<tr>
<td>Drive Type</td>
<td>Dual servo</td>
</tr>
<tr>
<td>Material Delivery</td>
<td>Shot or bead</td>
</tr>
<tr>
<td>Shot Size Range</td>
<td>Up to 140 cc at 1:1 Ratio</td>
</tr>
<tr>
<td>Ratio Range</td>
<td>1:1 up to 10:1</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>Liquid to paste</td>
</tr>
<tr>
<td>Supply Type</td>
<td>Pump or tank</td>
</tr>
</tbody>
</table>

Application Solutions
- Aircraft and Aerospace
- Appliance
- Battery
- Construction
- Electronics and Electrical
- Filters
- Lighting and LED
- 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
105-MV Dual Servo Drive Meter System

**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**

<table>
<thead>
<tr>
<th>Ratio</th>
<th>Volume (max)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1</td>
<td>140 cc's</td>
</tr>
<tr>
<td>2:1</td>
<td>105 cc's</td>
</tr>
<tr>
<td>4:1</td>
<td>87 cc's</td>
</tr>
<tr>
<td>6:1</td>
<td>81 cc's</td>
</tr>
<tr>
<td>8:1</td>
<td>79 cc's</td>
</tr>
<tr>
<td>10:1</td>
<td>76 cc's</td>
</tr>
</tbody>
</table>

*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.

**United States**
- Plymouth, Michigan
  - Phone: +1.734.459.8600
  - Fax: +1.734.459.8886
- Web: [www.sealantequipment.com](http://www.sealantequipment.com)
- Email: sales@sealantequipment.com

**Canada**
- Markham, Ontario
  - Phone: +1.905.475.6730
  - Fax: +1.905.475.8821
- Web: [www.nordson.ca](http://www.nordson.ca)

**Europe**
- Erkrath, Germany
  - Phone: +49.211.9205.0
  - Fax: +49.211.254658
- E-mail: info@de.nordson.com

**Mexico**
- Edo. de Mexico, Mexico
  - Phone: +52.55.5301.1002
  - Fax: +52.55.5300.3004
- Web: [www.nordson.co.jp](http://www.nordson.co.jp)
- E-mail: ventas@nordson.com.mx

**Brasil**
- Sao Paulo, Brasil
  - Phone: +55.11.4195.2004
  - Fax: +55.11.4195.6698
- E-mail: admfin@nordson.com.br

**China**
- Shanghai, China
  - Phone: +86.21.3866.9166
  - Fax: +86.21.3866.9199
- Web: [www.nordson.com](http://www.nordson.com)
- E-mail: shanghai@nordson.com

**Japan**
- Tokyo, Japan
  - Phone: +81.3.5762.2700
  - Fax: +81.3.5762.2701
- Web: [www.nordson.co.jp](http://www.nordson.co.jp)
- E-mail: fin@nordson.com

**India**
- Bangalore, India
  - Phone: +91.80.4021.3600
  - Fax: +91.80.4021.2601
- E-mail: nordsonindia@nordson.com

**Korea**
- Gyeonggi-do, Korea
  - Phone: +82.31.736.8321
  - Fax: +82.31.736.8322
- E-mail: steve.shin@nordson.com

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Nordson Corporation
45677 Helm Street
Plymouth, MI 48170, USA

[sealantequipment.com](http://sealantequipment.com)
nordson.com

Nordson SEALANT EQUIPMENT

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Bead Dispensing
Electronic Potting
Filter Molding