Dispensing System Packages

Dymax dispensing valves can be integrated into automated dispensing systems or paired with a controller and a material reservoir to create a bench-top dispensing system. Dymax offers a variety of material reservoirs to accommodate most dispensing applications. Cartridge reservoirs, bottle drop-in reservoirs, larger stainless steel pressure pots, and low-level sensing reservoirs are available from Dymax.

Dispensing Tips

A variety of both needle and taper dispense tips in various lengths, gauges, and shapes are available from Dymax. Tip selection is critical when precision is required and the length, shape, and size of the tip used will define the shape of the fluid deposit and the performance of your dispense system. Dymax Application Engineering is available for assistance with selecting the optimal tip. Visit [www.dymax.com/dispensing_tips](http://www.dymax.com/dispensing_tips) to see Dymax’s dispensing tip selection.

Additional Dymax Offerings

High-Performance Light-Curable Materials

Dymax adhesives are designed to rapidly bond glass, metal, and plastic substrates upon exposure to UV/Visible light, while providing design engineers with tools to dramatically improve manufacturing efficiency and reduce costs. Dymax solvent-free adhesives are environmentally friendly, RoHS compliant, and meet the demands of challenging applications in a variety of markets. They provide significant manufacturing advantages including reduced labor and assembly costs, improved in-line inspection with fluorescing grades, reduced WIP, shorter cycle times, fewer assembly stations, and elimination of ovens and racking.

Light-Curing Equipment

Dymax offers a wide range of light-curing equipment for curing adhesives, coatings, maskants, and sealants. Available systems include spot lamps for small-area cure or repair, flood-lamp systems for bench-top batch curing, and conveyor systems for automated in-line curing of materials including adhesives, pastes, solvents, and coatings.
Dymax Fluid Dispensing Equipment

Dymax is committed to providing the best chemistry, curing equipment, and dispensing systems that offer customers complete manufacturing solutions for their challenging applications. Dymax, in alliance with some of the world’s leading dispensing companies, has developed high-quality, field-proven dispensing systems to fit many dispensing applications. These systems include various automatic and manual dispensing systems, spray valves, and related components for seamless integration into your assembly process. Dymax engineers will work with you to create the best dispensing solution for your application.

### Model Number
- **Micro-Dot™**: Shot, Shot, Shot, Shot
- **Stepper™**: Shot (manual), Continuous (bead)
- **SD-100**: Shot (timed), Continuous (bead)
- **200**: Shot (timed), Continuous (bead)
- **300**: Shot (timed), Continuous (bead)
- **400**: Shot (timed), Continuous (bead)
- **455**: Shot (timed), Continuous (bead)
- **826**: Shot (timed), Continuous (bead)
- **830**: Shot (timed), Continuous (bead)
- **475**: Shot (timed), Continuous (bead)
- **485**: Shot (timed), Continuous (bead)
- **775 Series**: Shot (timed), Continuous (bead)
- **SG-100**: Shot (timed), Continuous (bead)
- **SG-200**: Shot (timed), Continuous (bead)

### Dispense Modes
- **Dispense Range**: 0.002 – 0.25 mL
- **Viscosity Range**: Low to High
- **Materials**: UV Adhesives, Greases, Inks

### Materials
- **Viscosity Range**: 0.01 – 0.10 mL
- **Dispense Range**: 0.003 mL
- **Flow Rate**: 0.005 mL
- **Displacement**: Manual Syringe
- **Control**: Manual
- **Controller**: None
- **Operational Adjustments**: None
- **Materials**: SS
- **Valve Body (non-wetted)**: N/A
- **Wetted Path**: Syringe and Tip
- **Wetted Valve Seals**: N/A
- **Tubing**: N/A SD-100 needs tubing

### CE Approval
- Manual and automated dispensing solutions
- Pneumatic spray valves and guns for applying coatings, lubricants, and masking resins
- Dispensing valves that offer contaminant-free dispensing
- Dispensing systems with adjustable suck-back control that facilitates clean, crisp shutoff even with stringy or tacky materials.

### Application Overview

**Viscosity Range**
- **Micro-Dot™**: Medium
- **Stepper™**: Medium
- **SG-100**: High
- **SG-200**: High

**Viscosity Range**
- **Micro-Dot™**: Low
- **Stepper™**: Low
- **SG-100**: Low
- **SG-200**: Low

**Materials**
- **Micro-Dot™**: N/A
- **Stepper™**: N/A
- **SG-100**: N/A
- **SG-200**: N/A

**Spray Coatings**
- **Micro-Dot™**: ●
- **Stepper™**: ●
- **SG-100**: ●
- **SG-200**: ●

**Spray Masking**
- **Micro-Dot™**: ●
- **Stepper™**: ●
- **SG-100**: ●
- **SG-200**: ●

**Micro-Dot™**
- Low Viscosity: < 1000 cP
- Medium Viscosity: 1000 cP - 10,000 cP
- High Viscosity: > 10,000 cP
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