Fluid Dispensing Equipment

Dymax has developed high-quality, field-proven dispense systems to fit many dispensing applications. These systems include various automatic and manual dispense 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.

All models listed are available globally.

Disposable Fluid Path Valves – Contaminate-Free Dispensing

Dymax disposable fluid path valves are uniquely engineered to prevent material contamination. The disposable fluid path carries materials from the material reservoir to the dispense tip, sealing fluids in the fluid path. This prevents the fluid from coming in contact with the valve’s inner components and ensures a contaminate-free dispensing process. The fluid path is easy to replace and requires minimal clean-up, allowing for rapid material changeover. This valve can be supplied with fluid paths of varying materials and sizes for optimum material compatibility.

Diaphragm Valves – No Fluid Contamination with Less Maintenance

Diaphragm valves are ideal for dispensing light-curable materials, solvent-based products, and reactive materials like cyanoacrylates and anaerobics because the internal design of the valve prevents fluid from coming in contact with the valve’s actuating components. This drastically minimizes valve maintenance and production down-time.

Needle Valves – Extreme Precision Dispensing

Dymax needle valves are designed to deliver precise dots or very fine beads of low- to medium-viscosity fluids. Dymax needle valves feature a stroke adjustment which allows for fine-tuning of the dispense volume and ensures precise and consistent deposits. Handheld and mountable models are available.
Spool Valves – Accuracy with Suck-Back Control

Spool valves are ideal for automated dispensing systems and are designed to accurately dispense a variety of medium- to high-viscosity fluids. The valves’ accuracy comes from two main features, suck-back control and adjustable flow control. The suck-back feature assures consistent, stringless dispensing of tackier materials, and prevents droplets from remaining on the dispense nozzle when using lower viscosity materials.

Spray Guns & Valves

Dymax offers standard and high-flow spray valves for use in automated dispensing systems as well as spray guns for manually spraying materials. Dymax spray equipment is ideal for use with a number of different materials including masking resins, conformal coatings, solvents, grease, and lubricants.

Powered & Manual Syringe Dispensers

Dymax syringe dispensers deliver accurate and consistent fluid deposits from pre-packed disposable syringes. By using a disposable syringe as the material reservoir, these dispensing systems eliminate the risk of material contamination during dispense and allow for quick and easy product changeover with no cleanup. These dispensers are simple to set up and operate and can be used to dispense a wide variety of low- to high-viscosity fluids. Dymax powered syringe dispensers can also be easily integrated into automated processes.