



*TS5000DMP - performing underfill.*



*Optional encoder motors are available for closed loop feed back requirement.*



	Disposable Path Material	Rotating Luer Collars
6 Pitch	DMP6-10	DMP6R-10
8 Pitch	DMP8-10	DMP8R-10
16 Pitch	DMP16-10	DMP16R-10

Sold in packs of 10.

## TS5000DMP Rotary Microvalve

The Rotary Valves use a rotary feed screw (auger) to dispense fluid with a positive displacement action, allowing for ultra-precise control of the dispensing process. The unique design ensures that material is constantly present at the feed screw inlet, while the controlled rotation of the feed screw moves the material from the feed to the discharge point. Discrete control of the forward and reverse rotations of the feed screw controls the amounts of material discharged.

The unique DMP (Disposable Material Path) Valve (TS5000DMP) offers a choice of 3 different feed screw sizes (6, 8 and 16-pitch), all made of Delrin®. The DMP Valve has a hinged doorway that opens easily so the disposable auger can be removed and replaced within seconds, while the line is still in operation, significantly reducing downtime and waste. The choice of left, right or center hinge openings makes the valve suitable for mounting on most automated systems.

### Typical Applications:

Solder paste, die attach, surface mount adhesive, chip encapsulation, dam writing, two-part epoxy, UV adhesive.

### Key Features:

- Precise and consistent shot sizes
- Motor reverse capability
- Field replaceable wetted parts
- Adjustable dispense rate
- Closed-loop motor control with encoder feedback (encoder version)

TS5000DMP	
<b>Length:</b>	5.88" (149mm)
<b>Width:</b>	3.56" (90mm)
<b>Weight:</b>	0.77 lb. (350 g)
<b>Wetted Parts:</b>	Delrin®, Viton®, Nylon
<b>Max Fluid Pressure:</b>	30 psi (2.1 bar)
<b>Material Inlet:</b>	Female Luer Lock
<b>Material Outlet:</b>	Male Luer Lock
<b>Mounting:</b>	1.0" (25.4mm) Wide Channel
<b>Recommended Viscosity Range:</b>	30K - 1300K cps



*TS5000 Disposable path available in 3 different pitches, and with 3 different rotating Luer collars.*



*TS5000DMP Right hand opening. Left and front door opening also available.*