



Designed for processing 100% solids, or solventless laminating adhesives. Delivers an accurately mixed adhesive at a specific mix ratio to the application rolls on a solventless laminator.

FilmStar™ DL

Two-component variable ratio meter, mix & dispense machine for solventless laminating adhesives

Features

- Precision gear, metering pumps
- Touch pad programming of mix ratios and flow rates
- Touch pad can be password protected
- Brushless AC motor drives
- Worldwide service and support from Liquid Control
- Optional EnGarde™ Ratio Monitoring system with precision inline flow meters
- Choice of several engineered feed systems
- Feed systems are complete and ready to run
- Feed systems include low material level sensors
- Twindispense mix head with Posimixer® disposable motionless mixers

Benefits

- Ensures accurate mix ratios and low maintenance
- No mechanical settings or adjustment needed
- Prevents unauthorized tampering with critical settings
- Years of maintenance free service
- Reliable service and support will be available, long after the installation
- The EnGarde monitors the actual volumetric output of each metering pump and will sound an alarm and/or shut down the system if an error is detected.
- Match the feed system to the production environment
- Nothing else to design or purchase
- Operator is alerted to low material level
- No hazardous solvents and associated disposal problems




Liquid Control

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Specifications

- **Iso and Polyol Pumps:** Precision spur type gear pumps
- **Volumetric Ratio Capacity:** 1:1 to over 5:1
- **Flow Rates:** Up to 3 lbs. per minute, depending on resin system viscosity, hose sizes and mixer employed.
- **Standard Material Feed Method:** Four drum gravity- fed rack system. Low level sensors in the upper drum feed lines to sound an alarm and light warning when the drums are empty. Emergency low level for the lower drums shuts down the machine if a low material level in the lower drum(s) occurs.
- **Optional Material Feed Methods:** 5 gallon material feed tanks with auto-actuated 5:1, 55 gallon drum transfer pumps. Tanks are constructed of heavy duty steel and are ASME, pressure rated.
- **Dispense Valve:** Twindispense valve, remote mounted by customer on laminator press. The Twindispense valve keeps both components separate until they reach the Posimixer.
- **Optional Material Heating:** Heated material outlet hoses. Heated enclosure for reservoirs and metering pumps.
- **Mixers:** 3/8" diameter x 24 element disposable Posimixer motionless mixers are standard. Also available in sizes from 3/16" to 13 mm in diameter and in a various number of elements to provide thorough blending of most any reactive system. Consult Liquid Control for mixer recommendations on specific applications.
- **Machine Controls:** LCD screen with key pad. Fully programmable mix ratio and flow rate. Password protected settings.
- **Machine Drive:** Independent brushless AC motor drives
- **Outlet Hoses:** Dual 15' Teflon-lined stainless steel braided hoses.
- **Service Requirements:**
Electric — 220V/1/60 • No compressed air required
- **Size:** 24" wide x 45" long x 54" high, not including feed systems
- **Weight:** 300 lbs.



FilmStar™ DL with auto-refill reservoirs

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