

UFD High Speed™

UFD HIGH SPEED™ IS THE MOST PRECISE AND THE FASTEST ADHESIVE APPLICATOR FOR SIZE AND PLACEMENT OF MULTIPLE FIBER SIZE PATTERNS IN THE INDUSTRY.

PERFORMANCE

New nozzle design has a very short glue channel to orifice for better cut-off and less stringing.

EFFICIENCY

High-speed solenoid consumes less air than tube-mounted solenoids, and does not require overexcitation for high-speed operation.

SIMPLICITY

Low-profile air heater allows closer placement of the applicator to the substrate as well as an easier fit to the parent machine.



UFD HIGH SPEED™ FIBERIZED SPRAY APPLICATOR

UFD-HS™ Series automatic adhesive applicators provide exceptional value and adhesive savings when compared to traditional applicator heads. With ITW Dynatec's patented Omega™ and Random Fiber™ patterns, UFD-HS™ applicator heads provide up to 50% adhesive savings by using less glue while maintaining, if not improving, bond strength.

FEATURES

- The fastest adhesive applicator in the industry.
- Module design positions valve seat directly behind the nozzle for improved performance.
- Direct-connect solenoid gives faster valve response and faster cycle times for intermittent applications.
- Solenoid can be removed and replaced in a fraction of the time of a tube-mounted solenoid.
- LED in solenoid connector for quicker troubleshooting.
- Patented Omega™ and Random Fiber™ patterns use less adhesive and maintain or improve bond strength.
- Continuous pattern edge accuracy of ± 2 millimeter, depending on the adhesive.

TECHNICAL DATA

System	UFD 050	UFD 075	UFD 100	UFD 150
Max. No. Modules	2	3	4	6
Operating temperature range	38° to 218 °C (100° to 425°F)	38° to 218 °C (100° to 425°F)	38° to 218 °C (100° to 425°F)	38° to 218 °C (100° to 425°F)
Viscosity range	100 to 30,000 mPas/cps	100 to 30,000 mPas/cps	100 to 30,000 mPas/cps	100 to 30,000 mPas/cps
Warm-Up time	15 min. (cold start), 5 min. (module change)	15 min. (cold start), 5 min. (module change)	15 min. (cold start), 5 min. (module change)	15 min. (cold start), 5 min. (module change)
Pneumatic pressure range to solenoid	4.1 to 5.5 bar (60 to 80 psi)	4.1 to 5.5 bar (60 to 80 psi)	4.1 to 5.5 bar (60 to 80 psi)	4.1 to 5.5 bar (60 to 80 psi)
Supply voltage setup	200-240V 1Ph 50-60Hz	200-240V 1Ph 50-60Hz	200-240V 1Ph 50-60Hz	200-240V 1Ph 50-60Hz
Adhesive pressure range	68 bar (1000 psi)	68 bar (1000 psi)	68 bar (1000 psi)	68 bar (1000 psi)
Height	133.5 mm (5.25 in)	133.5 mm (5.25 in)	133.5 mm (5.25 in)	133.5 mm (5.25 in)
Depth	216.2 mm (8.51 in)	216.2 mm (8.51 in)	216.2 mm (8.51 in)	216.2 mm (8.51 in)
Width	50 mm (1.97 in)	75 mm (2.95 in)	100 mm (3.94 in)	150 mm (5.91 in)

LOCATIONS

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