

UFD-HS™ Fiberized Spray Applicators

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.

UFD High Speed™ Fiberized Spray Applicators:

- 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.

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.

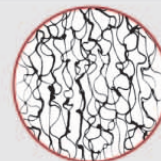
Simplicity

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

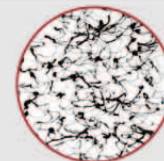


ITW Dynatec - UFD-HS™ Series Applicators
Shown with quick-change UFD-HS™ Nozzles featuring patented Omega™ and Random Fiber™ patterns with partial configurations.

The Dynatec Difference...



Random Fiber



Random Fiber



Omega

Patented Technology

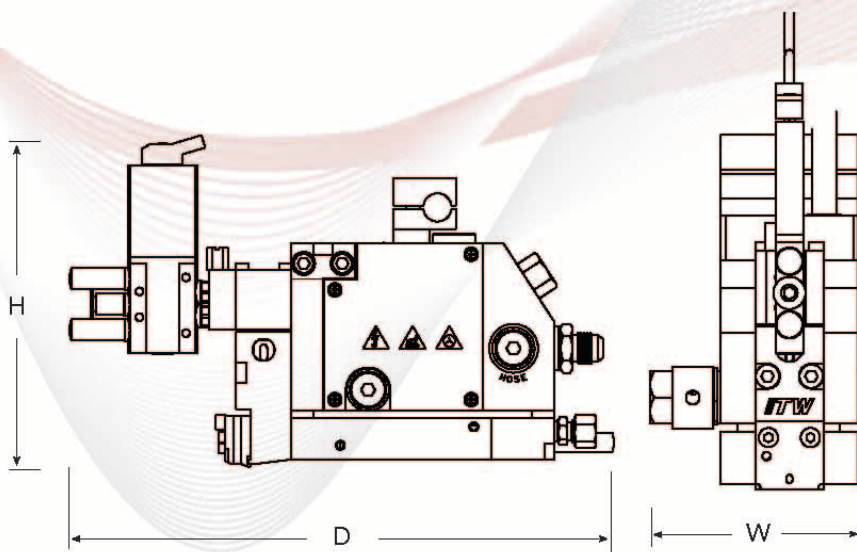
Many companies say that they are innovators by providing techniques for laying down fiberized adhesive, but only ITW Dynatec has the patents to prove it (5,902,540 - 5,882,573 - 5,904,298). ITW Dynatec invented Laminated Plate Technology, which is used in all ITW Dynatec UFD™ nozzles and is the most effective way to lay down fiberized

adhesive. This new product spawned many imitators, but none have been able to match the performance provided by ITW Dynatec's Laminated Plate Technology. When you use UFD™ Fiberized Spray technology from ITW Dynatec, you can be certain that you are using the best product on the market.

UFD-HS™ Series - Automatic Applicators

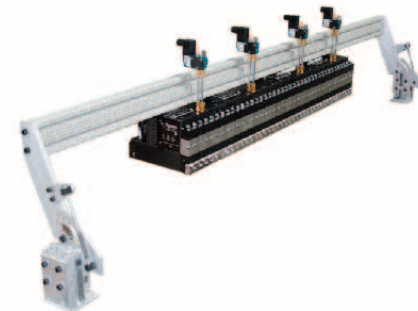
System	UFD 050	UFD 050	UFD 075	UFD 100	UFD 150
Max. No. Modules	1	2	3	4	6
Spacing Between Nozzle Centers	---	25.2 mm	25.2 mm	25.2 mm	25.2 mm
Temperature Range	38°C to 218°C (100°F to 425°F)	38°C to 218°C (100°F to 425°F)	38°C to 218°C (100°F to 425°F)	38°C to 218°C (100°F to 425°F)	38°C to 218°C (100°F to 425°F)
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)	15 min. (cold start) 5 min. (module change)
Adhesive Viscosity	100 to 30,000 cps	100 to 30,000 cps	100 to 30,000 cps	100 to 30,000 cps	100 to 30,000 cps
Adhesive Pressure Range	68 bar (1000 psi)	68 bar (1000 psi)	68 bar (1000 psi)	68 bar (1000 psi)	68 bar (1000 psi)
Air Pressure Range	4.1 to 5.4 bar (60 to 80 psi)	4.1 to 5.4 bar (60 to 80 psi)	4.1 to 5.4 bar (60 to 80 psi)	4.1 to 5.4 bar (60 to 80 psi)	4.1 to 5.4 bar (60 to 80 psi)
Electrical Service Standard	200-240 VAC 1 Phase 50-60Hz	200-240 VAC 1 Phase 50-60Hz	200-240 VAC 1 Phase 50-60Hz	200-240 VAC 1 Phase 50-60Hz	200-240 VAC 1 Phase 50-60Hz

Dimensions	UFD 050	UFD 050	UFD 075	UFD 100	UFD 150
Height (H)	133.5 mm (5.25 in)	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 (D)	216.2 mm (8.51 in)	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 (W)	50 mm (1.97 in)	50 mm (1.97 in)	75 mm (2.95 in)	100 mm (3.94 in)	150 mm (5.91 in)



UFD Easy Mount Brackets

The optional UFD Brand™ Mounting Brackets from ITW Dynatec allow for a simple and hassle-free setup of UFD Brand™ applicators and also provide a fast and easy way to adjust the height of the applicator to the substrate and the angle at which adhesive is applied.



ITW Dynatec

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Adhesive Application Solutions

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