

# Universal™ CF® Nozzles

Improve product performance and reduce hot melt adhesive usage.



*Universal applicator with UM50 modules and Universal CF nozzles*

Universal CF nozzles:

- Produce high bond strength at low add-on rates
- Support numerous applications
- Reduce overspray, creep and adhesive usage in elastic coating

Universal CF nozzles deliver exceptional hot melt adhesive spray coverage, producing high bond strength at low add-on rates. Flexible design and pattern stability provide a versatile spray technology for numerous nonwovens, packaging and product assembly applications®.

Nozzles feature an array of 12 air orifices to uniformly distribute pattern air, which stabilizes adhesive patterns for better performance and stronger bonds. When used for elastic coating, manufacturers can reduce overspray, creep and adhesive usage up to 30 percent.

A serviceable o-ring provides a positive hydraulic seal, and the recessed conical tip protects against damage. The hard release coating facilitates cleaning and extends nozzle life. Common Universal parts minimize inventory and simplify service.

CF nozzles are compatible with Universal series modules to extend existing equipment investments. These include UM22 and UM25 modules for less demanding intermittent operations, Speed-Coat® module for high-speed intermittent lines, UM50 module for continuous operations, high-speed electrically-actuated E400U module, and UM3 module for metering applications.

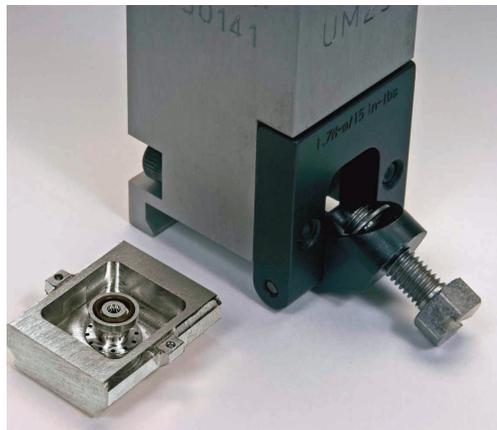
# Universal™ CF® Applicators

## Specifications

Module Compatibility	All Universal modules
Materials of Construction	Brass with hard release coating
Edge Control	±4 mm (±0.16 in.)
Nozzle Orifice Sizes	0.305 to 0.762 mm (0.012 to 0.030 in.)
Nozzle to Substrate Distance	12 to 75 mm (0.5 to 3.0 in.)
Maximum Hydraulic Flow	100 grams per minute per nozzle at 10,000 centipoise
Maximum Add-on Weight	30 GSM @ 150 m/min, 15 GSM @ 300 m/min
Production Speed Capability	10 to 350 m/min (33 to 1148 ft/min)
Adhesive Fiber Size	50 to 200 microns
Adhesive Viscosity (Recommended)	4,000 to 8,000 centipoise
Operating Temperature	70° to 205° C (160° to 400° F)
Adhesive Flow	10 to 250 grams per minute per nozzle
Air Consumption	0.25 to 1.0 scfm per nozzle
Air Pressure (Typical)	0.3 to 2 bar (5 to 30 psi)
Working Hydraulic Pressure	13.8 to 55.2 bar (200 to 800 psi)
Maximum Hydraulic Pressure	89.6 bar (1300 psi)



Universal nozzles cannot be over-torqued, which can permanently damage screw-on style nozzles or adversely affect spray performance.



Universal clamp design simplifies cleaning and maintenance.



Engraved part number, orifice diameter and spray pattern designation provide easy identification.

For more information, speak with your Nordson representative or contact your Nordson regional office.

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