

Universal™ Slice Applicators

Expand production capabilities and improve adhesive add-on precision during intermittent operations.

Universal Slice applicators:

- Dispense different hot melt adhesive spraying and coating patterns from a single applicator
- Minimize adhesive usage and raw material costs with metering add-on precision during intermittent operation
- Reduce air turbulence and increase web-routing options with angled manifold
- Prevent air contamination during module service with AirGuard™ separator



Universal Slice applicators expand production capabilities by dispensing different spray technologies from a single applicator. Advanced hydraulic and pneumatic features provide independent adhesive add-on and air-flow rates for each module, allowing users to simultaneously produce several applications. These can include lamination, stabilization, and elastic or tape attachment. The single-platform design minimizes the overall equipment investment and is reconfigurable to meet future applications, extending service life.

Metering pumps and modules significantly improve add-on precision to lower adhesive consumption and allow use of thinner heat-sensitive substrates for added raw material savings. Universal UM3 modules maximize metering performance during intermittent operation and help reduce scrap.

Applicators accept Universal CF®, Summit™, SureWrap™, Signature™ and Control Coat® spray nozzles. Individual or grouped spray air control optimizes pattern performance to meet specific product feature requirements.

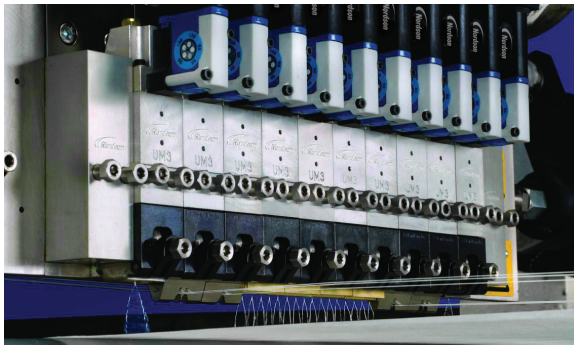
The angled manifold reduces air turbulence common in high-speed operations, increases web-routing options, and facilitates elastic threading. An integrated air heater uses a thin-film flow design that enhances heating efficiency to produce consistent spray patterns and reduce power consumption. A uniform thermal profile improves heat distribution and process stability. Dedicated adhesive recirculation paths provide durability and add-on accuracy.

Hardened, non-stick surfaces speed cleaning, and fewer seals and fasteners reduce complexity and service time. AirGuard separator protects the air chamber from adhesive contamination when changing modules. Common Universal components reduce spare parts requirements, minimizing inventory costs.

Universal Slice Applicators

Specifications

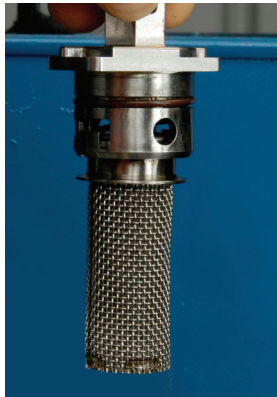
Module Compatibility	UM3
Nozzle Compatibility	Universal spray nozzles
Operating Temperature	70° to 205° C (160° to 400° F)
Maximum Pattern Width	600 mm
Pump Sizes	0.160, 0.248, 0.320, 0.584 cc/revolution
Working Hydraulic Pressure	10 to 55 bar (150 to 800 psi)
Maximum Hydraulic Pressure	69 bar (1000 psi)
Maximum Hydraulic Flow	150 grams per minute per module
Actuation Air Pressure	5.5 to 6.2 bar (80 to 90 psi) recommended



Multiple process capability on a single applicator provides cost-efficient production flexibility.



Universal UM3 metering modules equipped with SureWrap nozzles improve adhesive add-on precision to elastic strands.



Quick-change sensors, filters, nozzles and heaters minimize downtime.



Compatibility with all Universal spray nozzles provides application flexibility.

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

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