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.

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.

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.
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.

Compatibility with all Universal spray nozzles provides application 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.