

# Universal™ UM50 Module

Improve wide-web laminating applications and reduce equipment, inventory and maintenance costs.

Universal UM50 module:

- Supports continuous coating and slow-speed intermittent production
- Reduces initial investment and cost of ownership
- Decreases equipment requirements with wide pattern capability
- Minimizes inventory costs with comprehensive nozzle compatibility

The Universal UM50 module provides dependable hot melt adhesive delivery in wide-web continuous coating or slow-speed intermittent laminating applications. A single-platform design provides compatibility with Universal applicators, existing HMS applicator installations, and ITW Dynatec® applicators. A flexible design provides compatibility with Universal applicators and accepts numerous dispensing technologies, including Summit™, CF®, Signature™, SureWrap® and MiniBead nozzles.

The pneumatically-actuated 50-millimeter-wide module maximizes coating coverage and reduces equipment



*Universal applicator with UM50 modules and Universal Signature nozzles*

investment by using 50 percent fewer modules. A flexible design meets specific laminating coverage requirements with UM50 module and nozzle combinations on applicator manifolds in widths of 250 and 500 millimeters. End-to-end manifold mounting accommodates wide coating widths.

To update existing installations, an adapter plate is available to mount the UM50 module on applicator manifolds equipped with modules on 25-millimeter centers. A patented single-screw clamp permits quick nozzle replacement, enabling fast changeovers and trouble-free cleaning.

Common Universal parts and compatibility with numerous nozzles reduce spare parts requirements, minimizing inventory costs. The rebuildable Universal UM50 module helps reduce maintenance costs and improve service life. Individual kits are available for on-site seal replacement and major sub-component rebuilding. Nordson also offers economical rebuild services through the ESP™ Equipment Services Program for factory-quality rebuilding. A patented single-screw clamp permits quick nozzle replacement, enabling fast changeovers and trouble-free cleaning.

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## Specifications

Module Width	50 millimeters
Nozzle Compatibility	25-millimeter Universal, 22-millimeter Universal CF, MiniBead and Saturn® nozzles
Operating Temperature	70° to 205° C (160° to 400° F)
Working Hydraulic Pressure	13.8 to 55.2 bar (200 to 800 psi)
Maximum Hydraulic Pressure	89.6 bar (1300 psi)
Maximum Hydraulic Flow	110 grams per minute at 10,000 centipoise, 14 grams per square meter at 300 meters per minute
Actuation Air Pressure <sup>1</sup>	4.1 bar (60 psi) recommended
Cycle Rate <sup>2</sup>	Up to 2,500 cycles per minute or 24 milliseconds for on/off cycle
Control Voltage	Depends on solenoid used

### Notes:

<sup>1</sup> Oil-free air must be used.

<sup>2</sup> Maximum number of cycles depends on operating and control air pressures and adhesive viscosity.

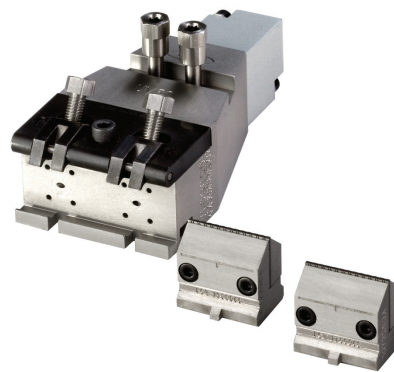
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Wide pattern capability and compatibility with numerous nozzles reduce equipment investment.



Individual rebuild kits for on-site seal and major sub-component replacement reduce maintenance costs.



Each UM50 module accepts up to two nozzles, or partial-width and blank nozzles for pattern versatility.

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

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