

Speed-Coat® Module

Improve high-speed hot melt adhesive spray dispensing and reduce inventory and maintenance costs.

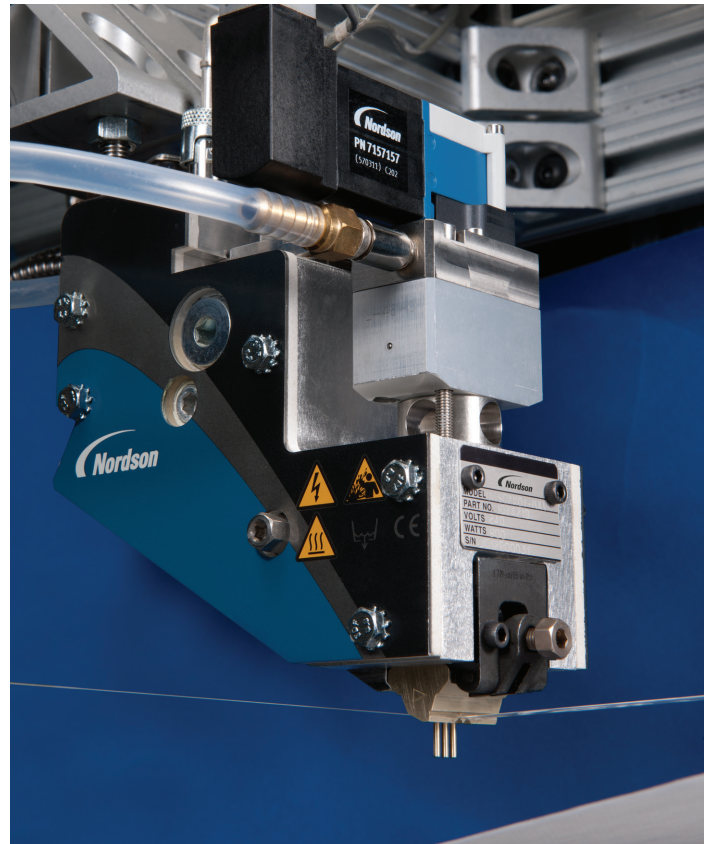
Speed-Coat module:

- Handles demanding high-speed intermittent production
- Improves cutoff of leading and trailing edges with retract-on-close operation
- Reduces maintenance costs and improves service life with rebuildable design
- Minimizes inventory costs with single-platform design
- Accepts numerous dispensing technologies

The Speed-Coat module provides accurate hot melt adhesive delivery in high-speed intermittent production. A single-platform design provides compatibility with Universal applicators. The module accepts numerous spraying and coating technologies, including CF®, Summit™, SureWrap™, Allegro™ and Control Coat® spray nozzles; and MiniBead and Saturn® bead nozzles.

The pneumatically-actuated 25-millimeter-wide module maximizes intermittent high-speed performance by providing a minimum full cycle rate of 6 milliseconds (0.006 seconds), depending on the application. The matched-to-module integral solenoid valve delivers high performance and long life.

A retract-on-close feature, commonly called snuff-back, produces sharp cutoff of leading and trailing pattern edges. Compatibility with the Nordson OptiStroke™ needle stroke detection system reduces product waste and confirms hot melt adhesive dispensing performance.



Universal Speed-Coat applicator with Speed-Coat module and Allegro nozzle.

The rebuildable Speed-Coat module helps reduce maintenance costs and improve service life. Individual kits are available for seal replacement and major sub-component rebuilding in the field. 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. The module's commonality with high-speed slot coating designs leverages the technology and reduces inventory requirements.

Speed-Coat® Module

Specifications

Module Width	25 millimeters
Nozzle Compatibility	Universal nozzles and adapters
Operating Temperature	70° to 200° C (160° to 392° F)
Adhesive Viscosity Range ¹	1,200 to 12,000 mpas
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
Operating Air Pressure ²	5 to 6 bar (73 to 88 psi) recommended
Cycle Rate ³	Up to 9,000 cycles per minute or 6.6 milliseconds for on/off cycle including pattern
Solenoid Voltage	23.5 to 28 VDC
Solenoid Power Consumption	5 watts
Solenoid Connection	Quick-disconnect with strain relief and LED indicator
Protection	IP30

¹ Higher and lower viscosities are possible but with some degradation of performance. Application-specific testing is recommended to understand impact.

² Control air pressure must be maintained at all times to assure normal operation; oil-free air must be used.

³ Maximum number of cycles depends on operating and control air pressures and adhesive viscosity.



Durable design and construction deliver long life and reduced maintenance.



Speed-Coat slot applicator with Speed-Coat module.



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

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

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