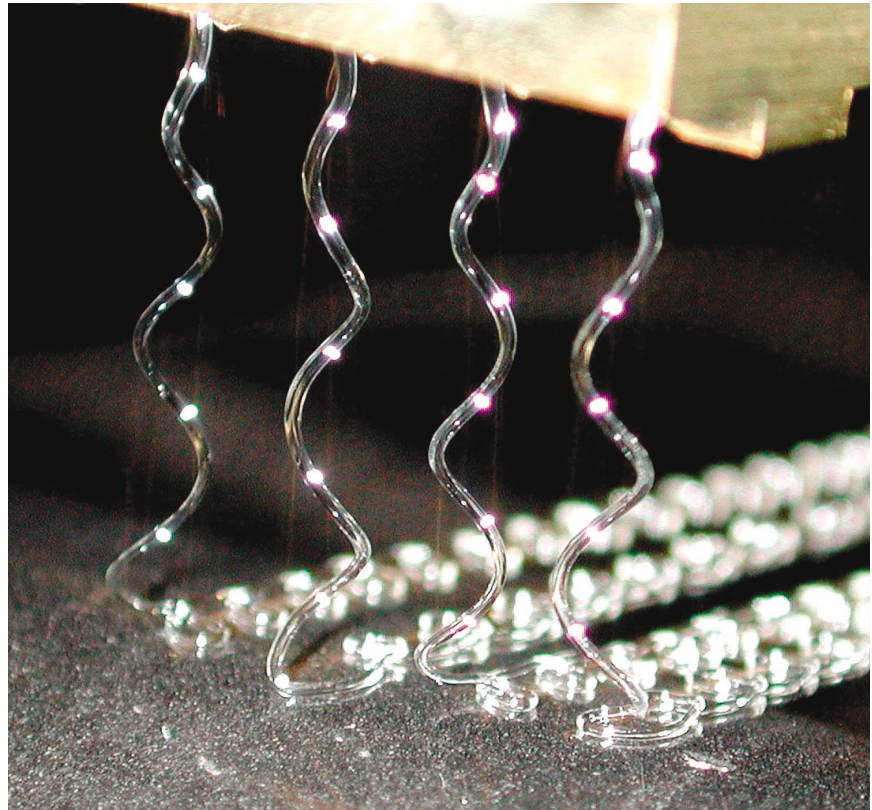


Summit™ Lamination Applicators



Innovative process improves bond strength and product quality in high-speed laminating applications.



Summit lamination applicators deliver superior control of fiber size, density and pattern width in backsheet lamination and core stabilization applications for nonwovens disposable products.

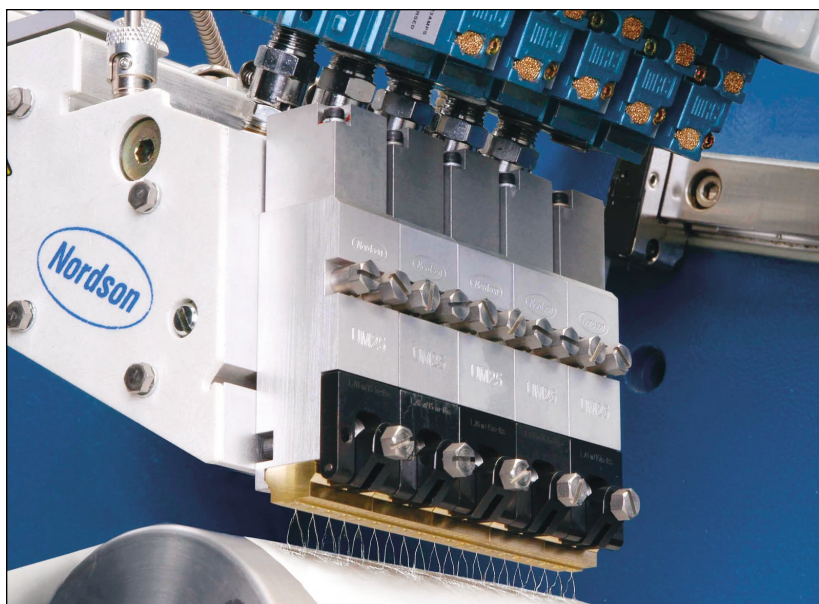
The innovative non-contact process uses four radially tangential air jets to oscillate single adhesive fibers, producing a crossing pattern that enhances bonding performance. Controlled adhesive fiber deposition provides greater uniformity in the cross-web direction, improving product quality.

Features and Benefits

- **Superior control of adhesive fiber size, density and pattern width** increases bond strength and prevents substrate distortion.
- **Add-on rates** as low as 1 gram per square meter at 300 meters per minute (1,000 fpm) reduce adhesive usage and improve product appearance.
- **Excellent intermittent on-off cycling** minimizes adhesive waste.
- **Non-contact dispensing** bridges and penetrates irregular surfaces, improving bond performance.

- **Tight edge control** within ± 2 millimeters (± 0.08 in.) without overspray minimizes adhesive waste.
- **Air-cooled adhesive fibers** reduce heat distortion and burn-through, allowing use of thinner backsheet materials.
- **Adhesive fiber sizes ranging from 50 to 100 microns** allow flexibility in producing low-density large-fiber patterns for maximum bond strength, open patterns for absorbency, or highly dense fine-fiber patterns for heat-sensitive substrates.
- **Easy hardware changeover** with other Nordson applicator technologies allows manufacturing versatility.
- **Elastomeric seal** separates adhesive and air passages within the die.
- **Combination of full- and partial-width nozzles** tailors adhesive coverage to specific product requirements.
- **Partial-width nozzles** orient for left or right coverage.

Summit™ Lamination Applicators



Controlled fiber deposition enhances uniformity in the cross-web direction, improving product quality.



Summit lamination is available in Universal™ configurations with easily cleaned nozzles.

Specifications¹

Add-on Weight	1 to 10 gsm
Edge Control	±2 mm (±0.08 in.)
Nozzle Size	0.46 mm (0.018 in.)
Nozzle to Substrate Distance	15 to 20 mm (0.59 to 0.79 in.)
Air Pressure	0.01 to 0.10 MPa (2 to 15 psi)
Air Consumption	0.3 to 0.7 scfm per nozzle
Adhesive Fiber Size	50 to 100 microns

¹ Results are typical and may vary based on specific adhesive and application.



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

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