

Non-Contact Wide-Web Laminating Applicators



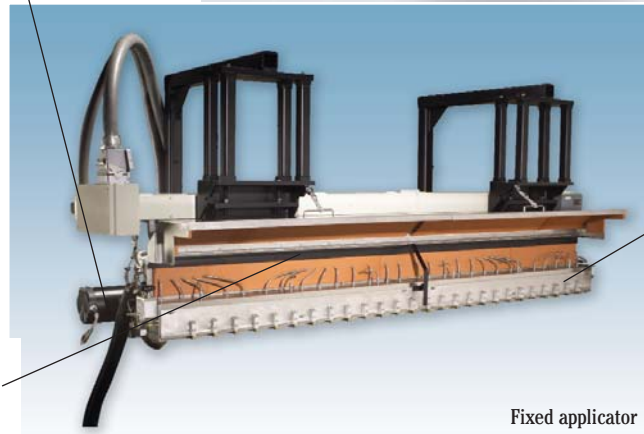
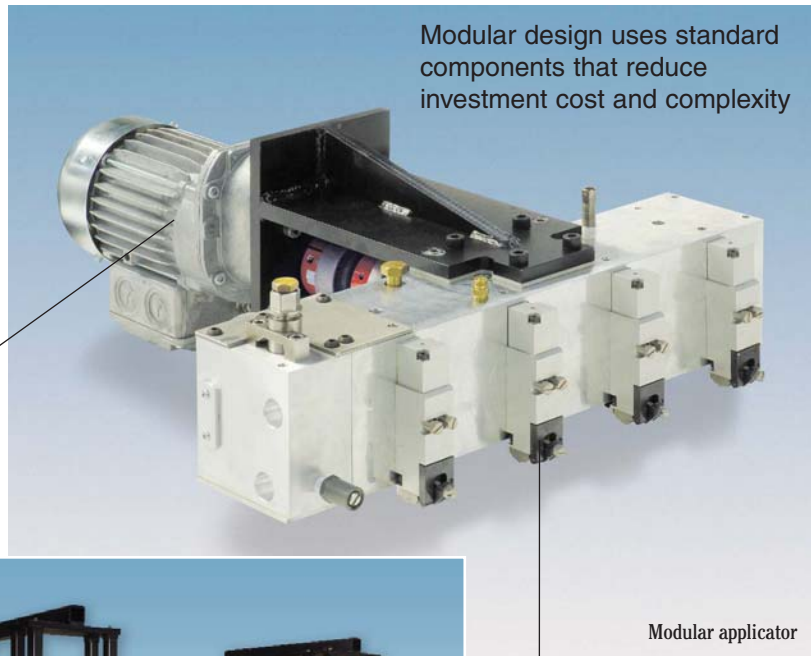
Improve quality, reduce material costs and enhance productivity in plybonding applications.

Non-contact wide-web laminating applicators:

- Produce high-loft tissues and towels
- Eliminate speed-limiting knurling or embossing
- Provide excellent drape, breathability and softness

Precise metering and low add-on weights produce invisible bonds

Configurable features meet specific product needs



Wide-web laminating applicators provide accurate non-contact control and delivery of hot melt adhesives. Consistent pattern coverage improves bond performance in numerous laminating applications, including tissues and towels, nonwovens surgical drapes and gowns, textiles, disposable backsheets and filtration media. Non-contact bonding allows manufacturers to cost-efficiently laminate spunbond, meltblown, foam and fabrics in different combinations.

Metered depositions produce add-on weights as low as 0.05 gsm, leaving no visible adhesive residue for excellent drape, breathability, filtration and softness. Hot melt adhesive bonding equalizes tension between layers for fewer web breaks than contact applicators, permitting higher line speeds than knurling or embossing.

Applicators are available in modular and fixed designs with a range of die widths and patterns for applying beads, spray, slot and melt-blown coatings. Single-platform Universal modules add dispensing flexibility with two-way actuation for metered or pressure-fed delivery. Fixed applicators are also available with three-way modules for adhesive dispensing or recirculation, and stainless-steel cover to minimize dust contamination.

Universal module screw applies uniform nozzle clamping for a positive hydraulic seal and thorough heating. Common Universal parts minimize inventory and simplify service.

Non-Contact Wide-Web Laminating Applicators



VersaBlue® N series melters maximize accuracy with precision gear metering, variable-speed drives and intuitive graphic displays.



Adhesive-loading elevator protects operator from adhesive backsplash when replenishing melter.



Quick-change Universal modules provide dispensing flexibility.

Specifications

Melt Rate¹

VersaBlue N series melters 14 to 100 kg/hr
(30.8 to 220 lb/hr)

Number of Pump Packs

Modular 4
Fixed 2 to 8

Standard Die Widths²

0.76 m (30 in.)
1.02 m (40 in.)
1.52 m (60 in.)
2.59 m (102 in.)
3.45 m (136 in.)
3.53 m (139 in.)

Operating Temperature

200° C (400° F)

Expansion Panels

Modular 8 channel
Fixed 8 and 16 channel

Electrical Service

Modular

200 to 480 VAC, 3 phase,
50/60 Hz

Fixed

240 to 400 VAC, 3 phase,
50/60 Hz

Hot Melt Hose Lengths

0.6 to 12.2 m (2 to 40 ft)

¹ Range represents broad selection of melter capacities and performance.

² Custom die widths up to 8 m (315 in.) are available.

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

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