



BetterWood Solutions

Enhance your productivity and profitability with precision dispensing for furniture and woodworking applications.

Precision, Quality & Performance

Innovative solutions for every aspect of furniture and woodworking production.

At Nordson, we design innovative solutions for every aspect of furniture and woodworking production. Our smart, automated technology handles high-performance adhesives with care and precision to ensure your production needs are met. Nordson offers a variety of adhesive dispensing equipment for hot melt, including reactive polyurethane (PUR), adhesives, and sealants that increase efficiency in manufacturing countertops; cabinets; and wood, office, ready-to-assemble, store and display furniture.

Advantages of a Nordson system are:

- Improved quality due to clean and precise application of adhesive.
- Increased productivity due to minimized maintenance and downtime.
- Decreased costs due to adhesive savings, reduced waste and contamination.



Application Advantages

Surface Treatment Solutions

Customers benefit from Nordson's continual developments of surface treatment applications offering flexible, customized solutions for profile wrapping and the demanding flat lamination market.

Profile Wrapping

For many years, Nordson systems have been successfully used in the wood industry, even for thin decors where the market requires an excellent final product appearance. Nordson's TrueCoat® FS – PW applicator series, in conjunction with precise metering control, help customers achieve this. Nordson systems provide:

- The highest product quality is driven by the best-in-class consistency of adhesive delivery
- Highest customer flexibility as a wide variety of different materials (adhesives, substrates, etc.) can be processed
- Highest machine uptime due to quick-exchange system components
- The most compact design of width-adjustable adhesive applicators
- Lowest product costs driven by overall adhesive savings

Flat Lamination

Nordson's new flexible, modular technology for flat lamination applications has been designed to meet the demanding market requirements. Using the same basic concept, this modular application platform can process a wide range of adhesives combined with various substrates. Nordson flat lamination solutions include:

- Quick-exchange nozzle concept to increase machine efficiency
- Highly accurate application weight control and application tolerance
- Compact design
- Automatic width adjustment for flexibility and fast format changes



Lightweight Board Solution

Foamed Adhesive solution

Providing honeycomb panel assemblies with:

- Significant adhesive cost savings depending on foam rate
- Higher panel strength with non-reversible bonding capability using PUR adhesives
- Thin and controlled adhesive layer for a stable assembly process (compression)
- Stronger adhesion and longer open time for panel assembly



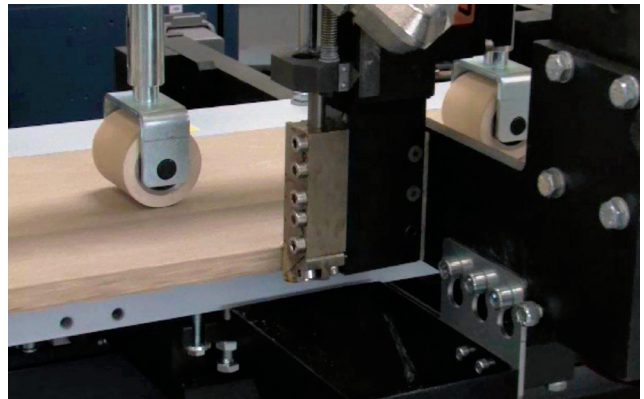
Edge Treatment Solutions

As an industry leader in edge banding applications, Nordson can provide edge treatment solutions to help you improve your productivity, reduce operational costs, and fulfill your current and future product requirements.

Edge Sealing Solution:

With the new Nordson application technology, manufacturers can produce high-quality boards most cost-efficiently. Benefits include:

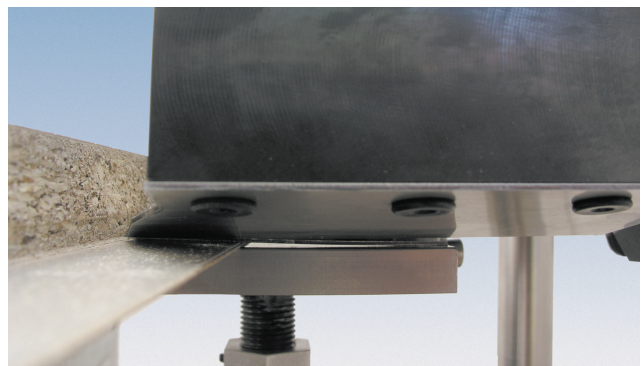
- Increased moisture protection of the board
- Structural strength
- Designed for lightweight boards made of thick particle composites
- Superior quality even when using the thinnest decorative materials



Postforming:

Nordson has flexible, reliable solutions for all postforming applications, where frequent width changes are needed. These solutions provide:

- Clean adhesive cutoff
- Repeatable product quality
- Reduced adhesive consumption
- Closed system, so no contamination





Edge Banding:

We replace open glue-roller systems with slot nozzle technology for a consistent adhesive application to the edge of the panel, enhancing your process to help you achieve what is essential for you:

- Highest-quality product appearance
- Better bonding quality (polyurethane adhesives – PUR)
- Adhesive savings
- Production line flexibility and efficiency

Features:

- PUR application (non-reversible bonding) with low application volume
- Automatic height adjustment for flexible production and with optional grammage control
- Lot size “one” (1) capability

Benefits:

- Best product appearance and Better Bonding (virtually invisible PUR adhesive layer by applying precise adhesive volume)
- Adhesive cost savings of up to 50% (120 g/m² instead of 240 g/m²)
- Minimum scrap rate as a result of controlled application (first panel saleable)
- An integrated process with reduced maintenance resulting in higher productivity

Our Products

Nordson application systems handle a wide range of materials -- including the next generation, high-performance adhesives, sealants, and mastics -- used to assemble, bond, and seal furniture and woodworking products. Cost and production efficiencies can be realized with Nordson foaming technology and automated systems. Below is a selection of our newest products well suited for the woodworking industry.

EB 60 Flex Edge Banding Slot Applicator

The EB 60 Flex applicator uses volume compensation during coating width changes to eliminate squeeze-out and/or excess air, thereby making a saleable product from the very first panel of a production run.

PureFlow™ Hoses

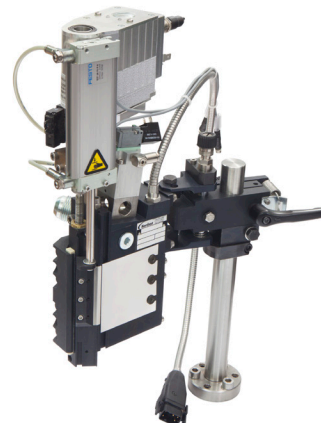
PureFlow™ hoses reduce the effects of adhesive and fluid degradation, such as charring, curing, discoloration and odor. PureFlow hoses have a substantially longer product life cycle due to their unique ability to keep fluid pure and the interior of the hose clean.

AltaPUR™ Adhesive Melters

AltaPUR melters efficiently process moisture-cure reactive adhesives, such as polyurethanes (PUR), from two-, three- or four-kilogram foil-encased slugs or form-liner slugs with foil bottoms. A user-friendly design combines simple, reliable operation with easy cleaning and maintenance.

VersaPUR® Melters

VersaPUR melters efficiently process polyurethane (PUR) hot melt adhesives with an easy-to-use, easy-to-clean design to simplify operation and maintenance. Highly-versatile VersaPUR melters are configurable for specific applications and manufacturing processes.



Nordson EX Extruder System

Extruder systems for hot melt applications requiring the highest precision and performance with regard to temperatures and pressures.

TruFlow™ Flex Controllers

TruFlow Flex Controllers are an economical, easy-to-use monitoring and closed-loop control of material delivery that offers manufacturers enhanced product quality.

TrueCoat® FS Slot Applicator Series

TrueCoat FS slot applicators deliver operating efficiency and flexibility when applying coated substrates to boards / panels or profiles used in furniture, woodworking and building / construction applications. Accurate, reliable adhesive application in both cross-web and machine directions improves product quality and reduces adhesive consumption.

TrueCoat® HP Slot Applicators

TrueCoat® HP (High-Performance) Slot Applicators are developed to improve the industry standard for achieving high accuracy of adhesive distribution in cross-web and machine direction.



Our Promise

Nordson Adhesive delivers precision dispensing technology to diverse markets to help manufacturers reduce material consumption, increase production efficiency, and enhance product strength and durability.



Value Innovation

Nordson consistently creates customer value with innovative products, new technology and customer-driven projects.



Global

With global manufacturing, sales and service operation, Nordson is adept at supporting and collaborating with customers worldwide.



Business Scale

Nordson has extensive capabilities to deliver on customer promises.



Direct

Nordson Adhesive Systems has direct offices in over 30 countries with local application experts nearby to help.



Worldwide Service and Support

Nordson helps protect your investment with exceptional people, programs and service to keep your equipment in peak operating condition. For your satisfaction, Nordson solutions are backed by a Package of Values[®] that includes:

- Locally-available service network
- TrueBlue[™] service & preventive maintenance plans
- Global service and distribution centers
- Repair and exchange programs

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

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