

Nordson ProBond™ System

The 3M™ On Demand Bonding System
featuring 3M™ VHB™ Extrudable Tape

Launch your manufacturing process into the future.

With the efficiency, versatility, simplicity, and sustainability you need to maintain a competitive edge.

Manufacturers of appliances, specialty vehicles, and other products have long been limited by the adhesives crucial to their product designs. In the past, available durable bonding systems have added time to production lines, required specialized storage and usage conditions, and generated excessive waste.

Not anymore.

Introducing the Nordson ProBond™ System featuring 3M™ VHB™ Extrudable Tape, a simple automated solution that integrates into your assembly line and can launch your manufacturing process into the future. It's the durable bonding system that brings your operation the efficiency, versatility, simplicity, and sustainability you need to maintain a competitive edge and deliver your customers the next generation of product innovation.



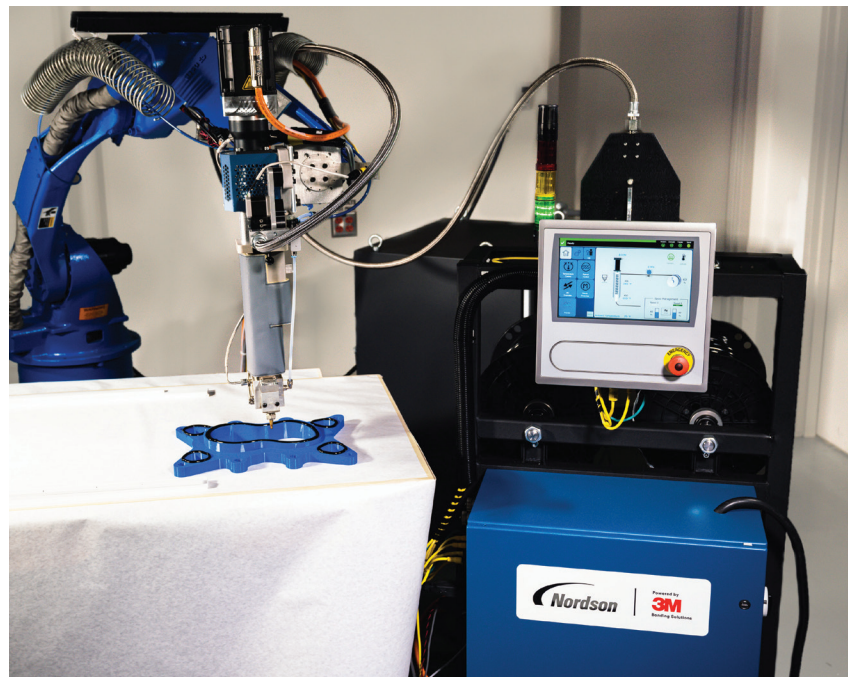
Beyond Efficiency

The Nordson ProBond System featuring 3M™ VHB™ Extrudable Tape can improve your manufacturing process efficiency—and your bottom line.

- Parts can be handled immediately
- Requires little to no surface preparation
- Easy to use and store
- Stretch release allows for clean removal

How much waiting time is built into your production process? If your bonding solution requires pre-treatment or clamping, it can be anywhere from minutes to days. And on an assembly line, every second costs money.

- Minimal, if any, pre-processing is required. 3M™ VHB™ Extrudable Tape bonds to many substrates with no primers or surface modification
- Minimal, if any, clamping is required. You get immediate handling strength
- Reduced need to purge equipment or replace disposable components, so you have less downtime and less waste
- Stretch release technology allows you to remove the adhesive quickly and easily, so you can rework or recycle parts
- Stretch release technology also makes component repair easier, and saves service and warranty costs



All of this leads to improved assembly line efficiency, increased throughput, and long-term value. Work faster with fewer steps, less downtime, and less work-in-process (WIP). Less process variability and increased productivity through automation make your work leaner. And with less waste and rework, you'll work smarter.

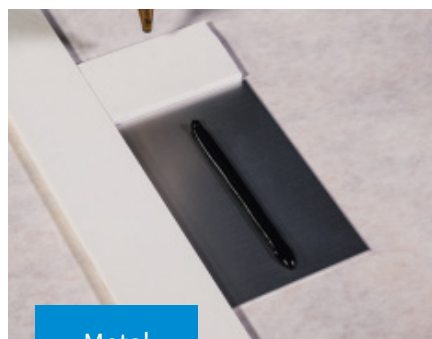
Beyond Versatility

Curved surfaces, bonded with a single material. Dissimilar shapes and materials, permanently joined without unsightly fasteners. If you can dream it, you can design it with the Nordson ProBond System.

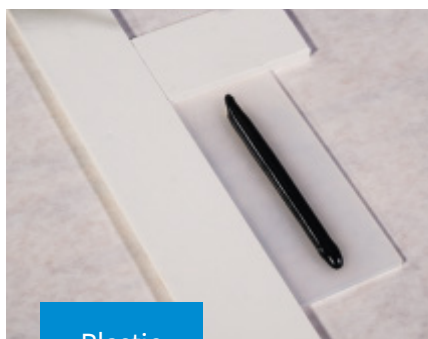
With the ability to adapt to a variety of processes, designs, and substrates, this system gives you unmatched versatility. Fill in gaps and turn corners without wrinkles, voids, or additional materials. Apply in various widths and thicknesses. All with the durability and performance you expect from 3M™ VHB™ Tape.

And the Nordson ProBond System can be deployed for inline or offline assembly. It has a smooth, clean appearance that fasteners can't match, delivering aesthetically superior results.

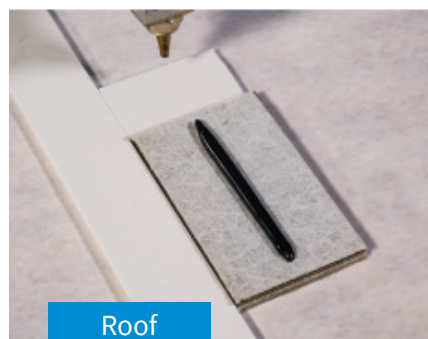
So no matter what you're building, this process and material versatility frees your operation from the limitations of other bonding solutions. Eliminate entire steps from your process, adapt to a quickly changing marketplace, and stay on the leading edge of product design with the Nordson ProBond® System.



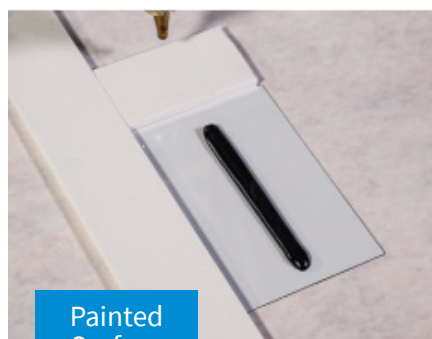
Metal



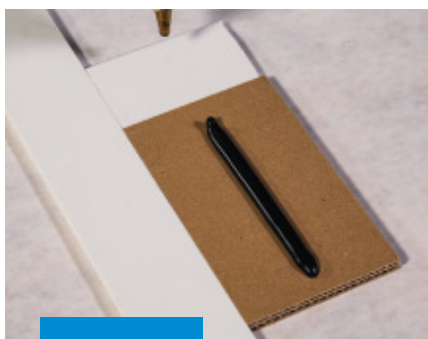
Plastic



Roof
Stiffener



Painted
Surface



Cardboard



Fabric



Beyond Simplicity

The Nordson ProBond System is a fully automated solution that easily integrates into your assembly line. It's a small system that doesn't require a long list of replacement parts. It's a beyond simple way to add all the benefits of automation into your process without compromising your bonding specifications.

Why automate?

- There's never been a better time to add automation into your workflow.
- Automation reduces your dependence on skilled or specialized labor
- Automation ensures the most consistent product
- Reduces complexity in your processes and workflow
- Standardize your materials by replacing multiple adhesives
- Smaller space compared to other systems

If you're just beginning to automate your assembly line, the Nordson ProBond® System can help you confidently get from design to scale-up quickly.

Benefit vs. other adhesive systems

Features	Nordson ProBond System	Other adhesive systems and fastening methods
Heated equipment requirement for dispensing	All-in-one system warms tape for extrusion	May need several pumps, hoses, and/or tanks
Storage requirements	No special requirements	May have short shelf life and require special storage conditions
Temperature/humidity requirements for curing	No special requirements	May need to maintain climate-controlled environment
Resources required for handling	Minimal, if any—immediate handling strength	Up to six hours—requires clamping and space to store work in process, as well as additional process steps
System purge between cycles	Little to none needed	Required purging can lead to up to 20% adhesive waste
Substrate preparation	Little to none needed	Time, materials, and labor required to prepare
Reworkability	Can disassemble and rework	Time-consuming rework; may even need to scrap products and start over
Product design requires bonding of various shapes and dissimilar substrates	One adhesive can do it all	Requires different adhesives and/or fasteners for different geometries or substrates
Sealing	Air- and watertight seal	May not have sealing capabilities

Beyond Sustainability

Nordson and 3M™ care about sustainable manufacturing practices and the use of sustainable products in the manufacturing process. The Nordson ProBond System with 3M™ VHB™ Extrudable Tape allows the manufactured components to be separated into appropriate waste streams.

The Nordson ProBond System conserves energy and materials in several ways:

- Enables recycling, reuse, and repairability
- Stretch release means less waste, faster rework, and easier component recycling
- Reduces the need to purge the dispenser and discard purged adhesive
- No liner waste or die cut waste, as with tape
- No residual waste

As you adapt to regulatory and consumer demands for environmental responsibility, the Nordson ProBond System featuring 3M™ VHB™ Extrudable Tape can help you meet your company's sustainability goals. And when you commit to conservation, you improve your reputation and build trust with your customers.

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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