



Nordson Filter Solution | EMEA

Precision dispensing, verified quality

EN

Nordson
Product Assembly

Consistent, High-quality & Cost-effective

Filters manufactured using accurate and consistent production equipment.

The need to produce consistent, quality filters as cost-effectively as possible is a constant challenge. Whether for applications such as residential water treatment, automobile oil, or industrial dust collection, filters must perform in their intended application and environment. To meet the performance specifications, filters must be manufactured using accurate and consistent production equipment.

Nordson adhesive dispensing equipment delivers precision and reliability and helps optimize material use in manual, semi-automated or automated processes. As the media, frames and housings used in filter manufacturing encompass various substrates, including plastics, metals and paper, an array of dispensed materials is needed for a finished filter. Nordson's vast product family provides solutions for virtually any adhesive and sealant material and produces a broad range of solid or foamed patterns. Whether intermittent or continuous, contact or non-contact application, Nordson dispense technology has the solution for you.



Filter Applications

Inner cabin air filter

Air filters are critical in removing solid particulates such as dust, pollen, mold, and bacteria from the air. Nordson understands our customer's needs for precision, reliability, and cost savings in producing millions of filters each year. Nordson works with our customers each step to ensure our customer's goals are met and often exceeded.

Edge seal pleating & stabilization

- Beads are applied toward the outside edge of the media to provide an air seal.
- Stabilization: A single or multiple beads are applied onto the top of the filter pack following the pleating process to stabilize the pleats.

Filter edge band sealing

- Edge band is applied to seal the filter edges in continuous or intermittent application



Hydraulic and Fluid Filters

The most essential part of every hydraulic system is the hydraulic fluid, and hydraulic filters are located at different parts of the hydraulic system, preventing the entry of contaminant particles into the system. Nordson knows how critical hydraulic filters are to their overall hydraulic system. Our customers depend on Nordson for the accuracy and consistency they desire.

Applications

- End cap molding
- End cap bonding
- Side seam bonding

Materials

- Several Adhesives replaces metal clips
- and other Material so that the
- Filters are recyclable – green filter



Residential and Industrial Filters

Air filters and water filters within a home or industrial ventilation system block several irritating and harmful airborne and water source impurities such as pollen, animal dander, mold spores, viruses and bacteria.

Industrial water filters are equipment used to eradicate the impurities from water sources in industrial applications. Nordson understands the need for accuracy and consistency to produce HVAC filters, vacuum cleaner filters, water and beverage filters, and pool water filters in mass.

Common residential and industrial filter applications are:

- Mini-pleating
- Pleat separation
- Pleat stabilization
- Seam sealing
- Frame bonding



Foamed Adhesive Advantage

Nordson foamed dispensing systems dramatically improve the performance of most hot melt adhesives by mixing them with inert gas, creating a homogenous solution. As the material is dispensed, the gas expands to create a closed-cell foam.

Benefits of Foamed Adhesive:

- Increased open time
- Faster set time
- Increased bead volume
- Significant material savings



Our Products

Nordson application systems seamlessly integrate into the assembly of filters. Nordson systems have proven worldwide to provide the consistency and accuracy our customers desire. Cost and production efficiencies are realized with Nordson foaming technology and automated systems. Below is a selection of our newest products well suited for the automotive industry.



FoamMelt FIT25 Melters

Experience the next generation of foamed adhesive processing: FoamMelt FIT25 Melters deliver high quality, homogeneous foamed material throughout the entire production cycle.



Extruder Technology

Nordson EX Hot Melt Adhesive Extruders are designed for efficient operation while protecting material integrity. The closed systems preserve the material from ambient air to prevent degradation and development of char.



VersaBlue® Tank Melters

VersaBlue melters precision gear metering and variable-speed drives bring maximum accuracy and flexibility to a world of demanding applications.



VersaDrum™ Bulk Melters

VersaDrum melters deliver precise hot melt application with non-stick platens for 200-liter drums. Top-surface melting reduces thermal stress and protects bond quality, while dead-space-free hydraulics support reactive adhesives.

Our Products



EP25 Applicator

EP25 applicators are manufactured with precision and are suitable for both continuous and intermittent applications. Various nozzles featuring different orifice sizes are available, offering high flexibility to meet individual application requirements.



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 saleable product from the very first panel of a production run. The flexible system for edge banding applications supports various adhesives; a range of coating widths; and a variety of panel shapes.



Harmony™ Applicators

Harmony applicators support a family of applications ranging from continuous contact or spray to demanding ultra-high-speed intermittent applications.



TruFlow™ Flex System

TruFlow™ Flex System brings real-time visibility and control to adhesive application in filter manufacturing. By continuously monitoring the exact amount of adhesive dispensed, TruFlow™ helps manufacturers optimize efficiency, reduce waste and ensure consistent product quality.

[Watch the video](#)

Supporting global filter manufacturers

Filter manufacturers around the world rely on stable, precise and efficient production processes. Nordson provides the technologies that enable consistent bonding, coating and material handling throughout filter assembly. Our solutions help producers achieve repeatable quality, reduce waste and maintain high performance across a wide range of filtration applications.

We work closely with filter manufacturers worldwide to identify the right solution for each production need. Through testing, collaboration and continuous innovation, we support our customers in improving process reliability and bringing new filtration technologies to the market.



Our expertise in the European market

Nordson has a strong and long-standing presence in Europe's filter industry. Manufacturers across the region value our reliable equipment, technical expertise and responsive local support. Our solutions integrate easily into existing production lines and meet the high standards expected by European producers.

With dedicated regional teams and deep knowledge of local industry requirements, we provide consistent service, fast response times and tailored technical guidance. This combination of proven technology and European-focused support makes Nordson a trusted partner for filter manufacturers throughout the continent.

Meet Our Filter Specialist

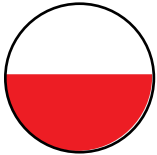
Every successful filtration system starts with the right guidance. Our specialists combine technical mastery with a deep understanding of industry needs, helping customers navigate challenges and achieve reliable, long-term performance. Their commitment is simple: cleaner processes, smarter solutions and support you can trust.



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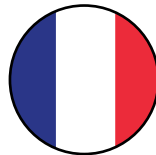
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No Direct Contact? Reach Here

If you are not aware of your contact person, please feel free to reach out to our team via the following email address:

product.assembly-solution@nordson.com

Scan the QR code for office locations across Europe and immediate hotline assistance.



Product Assembly in Europe

We are continuously expanding our presence in Europe to better serve our customers with advanced solutions, faster distribution, and cutting-edge research. Our European facilities include:

- **Product Assembly Lab - Lueneburg, Germany:** Specialized in testing, analysis and quality assurance to ensure the highest product standards.
- **Distribution Center – Maastricht, Netherlands:** Strategically located for efficient logistics and streamlined delivery across Europe.
- **Innovation Lab – Duesseldorf, Germany:** A hub for research, development and co-creation with partners, driving the next generation of innovation.



Product Assembly Operations Data & Facts



Facilities in Europe

3 strategically located sites supporting regional operations.



European Commercial Team

40+ specialists driving growth and client engagement.



Team Members

more than 100 dedicated Product Assembly Europe professionals.



Countries Covered

30+ countries across Europe.



Technical Support in Europe

60+ experts ensuring seamless service and solutions.



Languages Supported

Full support for all EMEA languages, with field service in 24 European languages.

Why choose Nordson

Nordson stands as a prominent global provider of precision application solutions, specializing in the manufacture and distribution of equipment designed for the application of adhesives, sealants, and surface coating systems.

Nordson's application expertise is unrivaled and with **over 70 years** of experience in a wide range of industries, we ensure an improved production process for our customers. Nordson has offices in **more than 35 locations**, providing service and support to customers worldwide.

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Global

Supporting and collaborating with customers worldwide.



Business Scale

Extensive capabilities to deliver on customer promises.



Value Innovation

Consistently creating customer value with innovative technology



Direct

Direct offices in over 35 countries with local application experts nearby to help.

Direct contact or find your local Nordson office:
www.nordson.com/contact-us

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Product Assembly