

Cold Adhesive Dispensing Systems

High-performance systems deliver flexibility and control for packaging and paper converting applications.



Field-proven cold adhesive dispensing systems help increase productivity and reduce overall costs.

Nordson® systems maximize performance in applying cold adhesives for corrugated, folding carton, bag and sack, packaging, envelope and cigarette applications. A comprehensive selection of components allows easy customization to your exacting specifications.

Increase application control with rapid-cycling electric dispensing guns.

Durable electric guns accurately dispense a wide range adhesive patterns and viscosities in both contact and non-contact applications. Efficient coil designs give you fast, repeatable adhesive deposition to help increase productivity and reduce rejects. These versatile electric guns deliver sharp cut-off in demanding, high-speed intermittent production. The result is minimized adhesive tailing in non-contact extrusion bead or dot dispensing, and precise registration without pattern streaking or skinning in contact operations. For just-in-time production, quick-change configurations allow quick-and-easy pattern changeovers, improving your line's uptime and flexibility.



Cold adhesive electric guns operate at fast cycle rates to accommodate line speeds up to 700 meters per minute (2300 feet per minute) accurately and cleanly. Nordson electric guns handle a broad range of viscosities, allowing you application flexibility.

Cost-efficient pneumatic guns provide sharp cut-off.

Contact and non-contact pneumatic guns use reverse-needle stroke action, delivering accurate cut-off with reduced adhesive skinning over the nozzle.



The compact pneumatic gun is easy to install, even in confined spaces. And, the pneumatic spray gun with unique nozzle tip design and close tolerances provides precise adhesive spray.

WM 710
Pneumatic Gun

Choice of pumps provides application flexibility.

Nordson's cost-efficient diaphragm pump minimizes pump wink to provide low-pressure delivery with constant adhesive flow. Wall- and lid-mount piston pumps match specific production needs and recirculate adhesive to reduce shearing and protect adhesive bonding characteristics. Hydraulic pressure regulators manage adhesive volume at variable line speeds. Corrosion-resistant parts provide excellent durability, helping to increase uptime.

Nordson systems provide adhesive application solutions.

Nordson brings more than four decades of adhesive application expertise to you. Our field-proven product line gives you broad application flexibility and control. Whether you apply cold adhesive to folding carton, corrugated, paper, envelope, bag and sack, or cigarettes, Nordson systems help you:

- **Increase productivity** by reducing changeover time.
- **Cut costs** by reducing adhesive waste, maintenance requirements and scrap.
- **Optimize product quality** through better adhesive cutoff and more accurate bead placement.
- **Improve bonding strength** by applying various length beads, providing full coverage after compression.
- **Meet your varied requirements** efficiently by providing a broad product line.
- **Monitor and document** adhesive application quality easily and effectively.
- **Reduce adhesive buildup** on pattern plates and nozzles.



Folding Carton

Whether you are top gluing or replacing bottom glue pots, Nordson cold adhesive systems provide accurate pattern placement and flexible pattern solutions to maximize folding carton productivity.



Envelope

Non-contact electric guns deliver accurate bead placement, even at high line speeds. The clean operation helps reduce maintenance.



Folding Carton

Versatile systems help enhance production efficiency and reduce scrap in folding carton applications.



Inliner/Corrugated

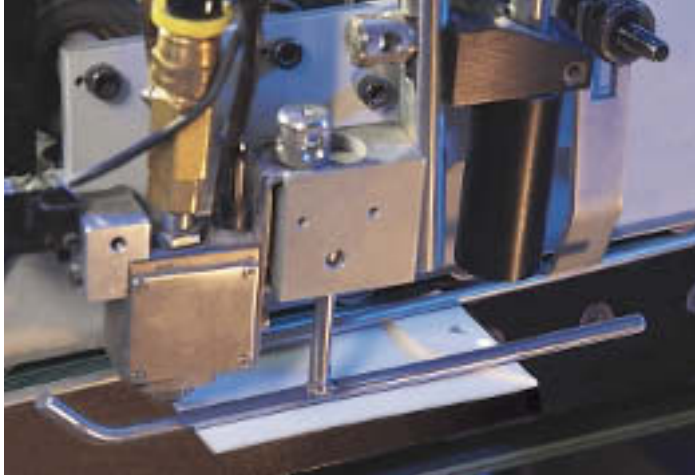
A choice of electric or pneumatic guns meets varied application requirements. Electric guns meet the demands of high-speed lines and provide long service life. Pneumatic guns deliver economical, reliable adhesive application.



Bag and Sack

Durable Nordson cold adhesive and hot melt systems withstand demanding factory environments. Adhesive savings, fewer maintenance requirements and less scrap result in reduced operating costs for bag and sack applications.





Accurate glue sensing monitors pattern quality without adhesive additives or tracers. You benefit from improved bonding consistency and easier formulation changeovers.

Pattern controls deliver accurate, repeatable adhesive placement.

Incorporating advances in computer technology, adhesive pattern controls eliminate many changeover sequences and free the operator for other tasks. Nordson pattern controls deliver accurate, repeatable, complex adhesive patterns. A digital encoder, integrated into the production line, synchronizes with the parent machine to achieve pattern placement accuracy of ± 1 millimeter (0.039 in.).

Nordson pattern controls are available with a range of performance capabilities. The LA 4100 is a 2-channel, single trigger pattern control with run-up capability. The LA 4400 is a 4, 8, 12 or 16-channel pattern control with either 4 or 8 triggers and 2 to 4 pressure curves. The LA 4400 has a color, touch-screen display for simple operator interface. These controls manage adhesive flow and placement at all parent machine speeds and accelerations.

Integrated detection and verification system enhances quality assurance.

Nordson's G-NET verification system is a comprehensive on-line quality control network that provides pattern detection, product inspection and production measurement. Your production line gains tighter quality control and protection against faulty pieces that can cause production and shipping losses due to unsealed products.

For example, real-time monitoring on the production line detects faulty patterns at line speeds up to 700 meters per minute (2300 ft/min). The system also simultaneously detects and removes defective products using an ejector, pusher or marking system. Sensors identify product features such as overlapped and skewed substrates; faulty flaps, folds or inserts; presence and placement of cellophane windows; and bar codes.

To help measure productivity and costs, the system monitors and reports production performance for operating and cost analyses. You can receive a printed production report that documents statistical data for each shift. Data includes batch count, machine speed, production rate and total operating and downtime.

Easy-to-clean, pressurized adhesive containers meet strict safety standards.

All pressurized adhesive containers are equipped with safety brackets, filter inserts, safety cam locks, mounting screws and output pressure gauges. Containers are available in 1, 15 and 30-liter (0.26, 3.0 and 5.0 gallon) sizes.

Modular mounting systems easily accommodate your application needs.

Precision designed and manufactured bracketry and mounting systems provide dependable, repeatable performance for mounting and positioning guns. Nordson provides a range of bracketry solutions, from cost-efficient build-your-own bracket kits to custom-designed pneumatic bridges.



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

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