



# Nordson BetterFold Solutions

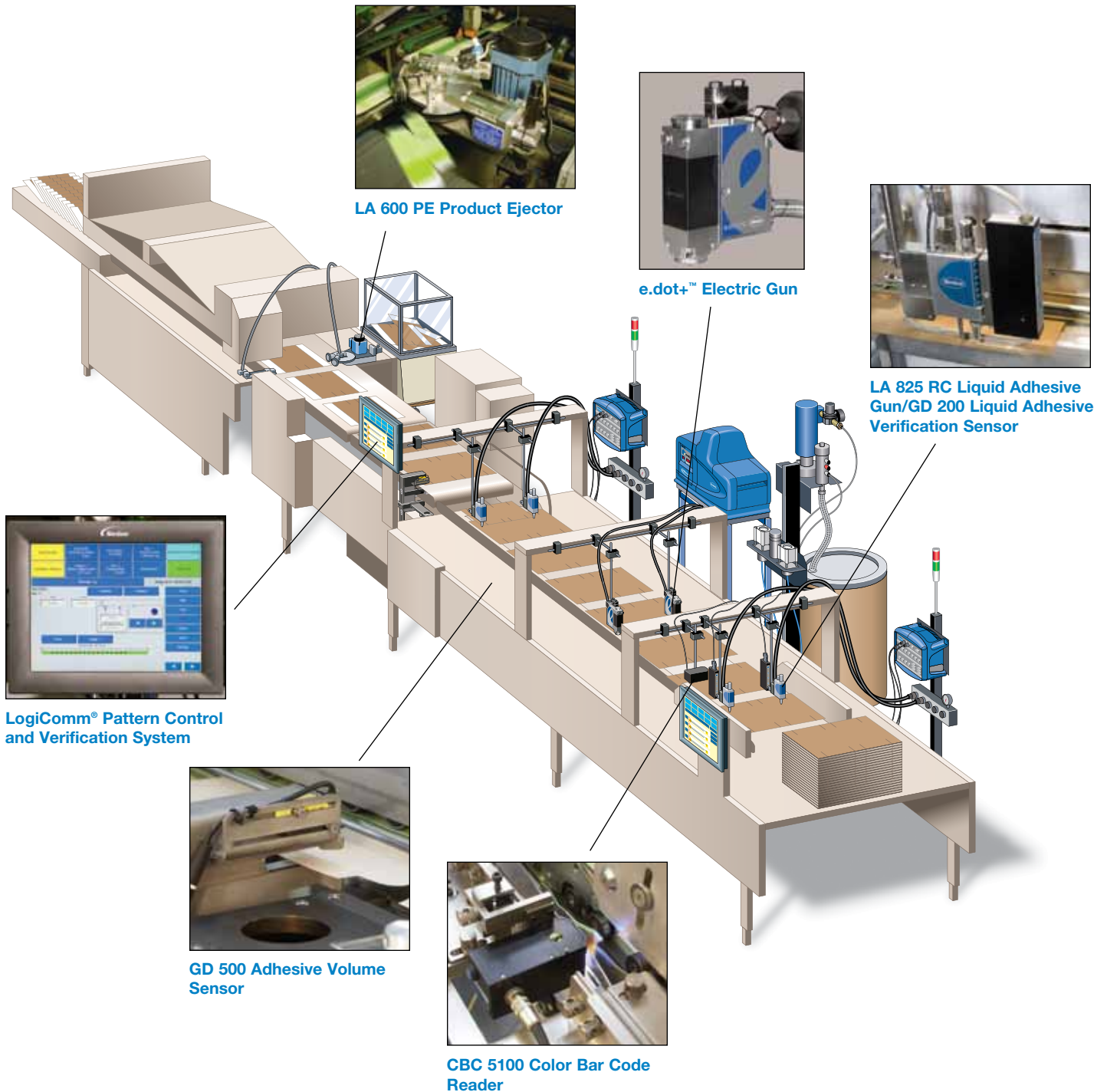
**Adhesive dispensing and verification systems to improve product quality and production efficiency for folding carton manufacturing**



# Versatile hot melt and cold adhesive application and detection systems help enhance product quality and production efficiency.

**Nordson® BetterFold systems help you:**

- Optimize product quality through better adhesive cutoff and more accurate bead placement.
- Cut costs by reducing adhesive waste, maintenance requirements and scrap.
- Increase productivity by reducing make-ready time.
- Meet your customers' varying requirements by supporting short runs and quick changeovers.



LA 600 PE Product Ejector



e.dot+™ Electric Gun



LA 825 RC Liquid Adhesive Gun/GD 200 Liquid Adhesive Verification Sensor



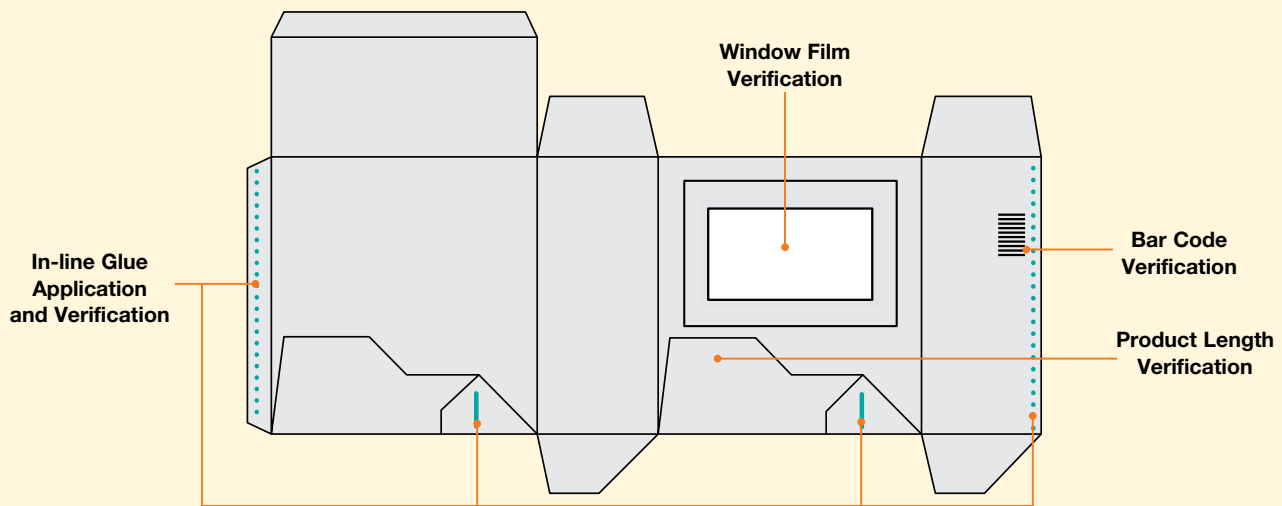
LogiComm® Pattern Control and Verification System



GD 500 Adhesive Volume Sensor



CBC 5100 Color Bar Code Reader



## Nordson Systems for folding cartons include:

- Adhesive Application
- Verification
- Faulty Product Identification
- Production Reporting

### Adhesive Application

Efficient cold adhesive pumps and hot melt adhesive melters handle a broad range of volume demands and adhesive formulations to meet customers' changing application needs.

Low- or high-pressure pumps are available to match specific cold adhesive delivery requirements while reducing shearing and protecting adhesive bonding characteristics.

A variety of Nordson hot melt adhesive melters meet virtually any production demand. Melters are designed to be simple to operate and maintain. Precise temperature and pressure control deliver accurate, repeatable adhesive dispensing.

Additionally, Nordson has melters ideal for efficiently processing reactive polyurethane (PUR) adhesives. These PUR adhesives provide high-quality bonds for specialized applications such as clear plastic boxes.

Nordson offers a wide choice of electric and pneumatic guns for a broad range of cold and hot melt adhesive viscosities and types. Optimized systems provide accurate placement while minimizing excess adhesive at virtually any line speed. Nordson precision-engineered guns deliver clean cutoff and consistent dispensing to minimize rejects. And, durable components and advanced designs reduce maintenance and maximize equipment uptime.

### Pattern Placement and Product Verification

Nordson offers pattern control and verification capabilities combined as a single integrated system or as individual elements. And, the modular system has the flexibility to be expanded as needed.

Programmable pattern controls provide quick pattern development and changeovers, as well as virtually unlimited memory, to accommodate even short runs on complex boxes. Nordson pattern controls provide multiple gun control and trigger inputs and support a selection of bead choices for application flexibility. And standard features include pressure control for precise adhesive positioning and deposition across the full machine speed range.

Nordson verification systems enhance online quality assurance by monitoring adhesive pattern and placement accuracy without the need for adhesive additives. These systems offer multiple cold and hot melt adhesive sensors in several zones.

Additionally, the easy-to-program systems can simultaneously detect and verify numerous quality parameters including: overlapped and skewed substrates; bar codes; carton lengths and cutouts; and faulty folds, flaps or inserts. The code reading and bar code scanning features recognize diverse formats and codes.

Unacceptable products can be automatically pushed, marked or ejected. Online tracking and printed reports provide documentation of overall production quality.



*The LogiComm system uses a broad family of verification sensors and readers for in-line, real-time inspection and quality control.*



Nordson systems deliver flexible hot melt and cold adhesive application and detection for folding carton manufacturing.

## Package of Values®

Nordson solutions are designed to provide consistent, high-quality manufacturing processes while improving production efficiency. Locally-available industry specialists and service technicians backed by a global team of knowledgeable engineers and 24/7 support staff help you develop, install and maintain dispensing solutions for established or emerging folding carton applications. Our people are supported by an infrastructure that includes research facilities, test laboratories and parts distribution warehouses in locations throughout Europe, Asia and the Americas.

## The Green Commitment

Nordson has a long history of designing equipment that maximizes productivity and minimizes waste. As most Nordson customers are manufacturers of a wide variety of consumer and industrial products, helping them more efficiently use materials and processes ultimately helps us all.

The ability to consistently dispense a precise amount and pattern of adhesive means less adhesive is needed in production. And, less adhesive on the finished cartons increases recyclability. Also, faster, more efficient production allows manufacturers to optimize equipment use, both reducing consumption of energy to produce each piece and increasing equipment utilization. Finally, more controlled efficient manufacturing can reduce scrap and waste generation.

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

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### Nordson Corporation

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