



## E-Commerce Solutions from Nordson Even, Precise Adhesive Application

Melters and applicators for the precision application of pressure-sensitive adhesive for tear strips and silicone release liners.

# Smart Solutions for E-Commerce Packaging

Nordson's precise adhesive application technology for tear strips and silicone coated release liners deliver high-quality, versatile and customer-friendly packages.

- **Meeting Market Demand.** Nordson operates in more than 30 countries. This includes local support teams, engineers and manufacturing operations. We have the market scale to support the growing E-Commerce market, which has experienced an unprecedented wave of exponential growth in recent years.
- **Precision Adhesive Application.** Nordson applicators apply precise, even coating of pressure-sensitive adhesive (PSA) for silicon release liners and tear strips.
- **Your Packaging Partner.** With over 70 years in business, Nordson is a reliable long-term partner. We center customer needs and deliver technology for process innovation.

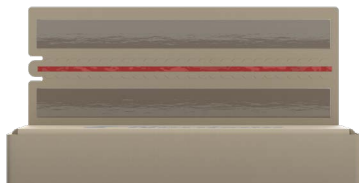


# Quality Packaging to Meet Customer Needs

## Easy Unboxing, Easy Returns



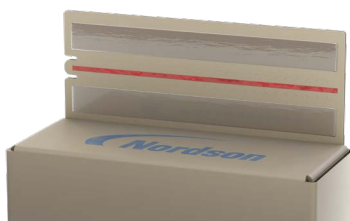
### Quality Adhesive Application for Silicone Strips and Tear Strips



Nordson products help facilitate unique customer requirements with the precision application of pressure-sensitive adhesive (PSA). Silicone paper covers the sticky PSA stripe allowing E-Commerce senders to remove the silicone paper and seal the box.

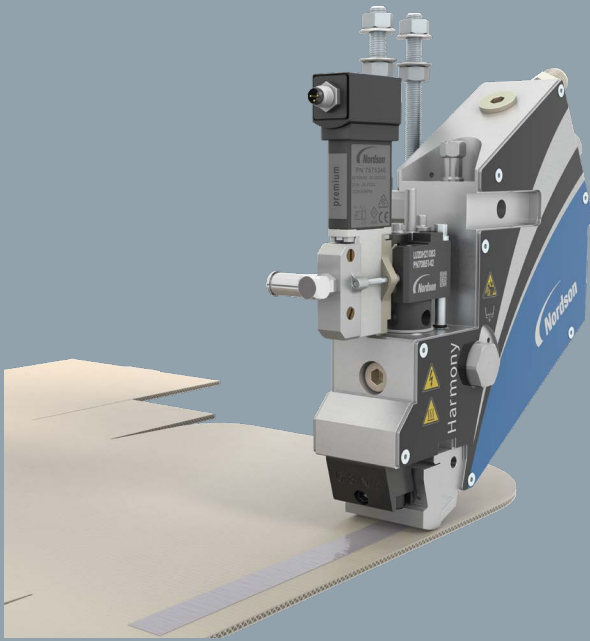
For easy-opening, tear strips are used that allow customers to easily open a box by pulling on the tear strip, causing a defined crack or opening in the carton. For easy return shipments, a second PSA strip is applied and covered with another silicone strip. This allows the customer to remove the strip and seal the box before return shipment.

### E-Commerce Packaging Production

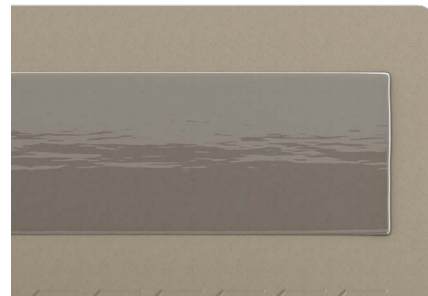


When using a folder gluer machine for the production of E-Commerce boxes, one or two precise strips of PSA are applied with a Nordson slot nozzle applicator onto a carton. Immediately after application, the PSA is covered with a silicone paper strip. The tear strip application can be made of self-adhesion tape or non-adhesion tape. For non-adhesion tape, a small stripe of hot melt is needed to glue the tear strip to the carton. This application is similar to a flap closure packaging application, but requires a much smaller tank and pump for lower adhesive consumption.

# Smooth and Even Adhesive Application



Adhesive applied to a corrugated carton box can reach quantities up to 500g/m<sup>2</sup> to be sufficient to smooth out any unevenness in the surface of the corrugated board.



## Repeatable, Precision Application on Every Package

For E-Commerce packaging, the adhesive application must be closed and homogenous, with a sharp clean start and cut-off. Then, it should be sealed immediately, without further pressing to ensure perfectly sealed packages that are protected from damage during transport.

# Best-In-Class Solutions for E-Commerce Packaging



Nordson offers a complete adhesive application system consisting of a VersaBlue® adhesive melter and Harmony™ applicator.

The VersaBlue melter has a configurable tank volume which allows the system to deliver large quantities of adhesive, of up to 100kg per hour. The melter can be equipped with two pumps to provide a volumetric flow of adhesive to both silicone paper applications.

The Harmony applicator can apply the large quantities of adhesive that is needed while maintaining a homogeneous application with a perfectly clean start and cut-off of adhesive.

In addition to delivering optimum performance, the Harmony features a patented quick-exchange nozzle clamping mechanism which provides unmatched flexibility for format width changes. This feature gives users the flexibility to change coating widths by changing the nozzle within a minute.

## Fast, Reliable Service and Parts

The VersaBlue melter and Harmony applicators feature many spare-part commonalities and the quick, easy exchange of service components. This helps ensure lower inventory and maintenance costs, and less downtime. Nordson's global service and support organization is always ready and available with reliable, local technicians to support.

# Why Nordson?



## Global

Supporting and collaborating with customers worldwide.



## Value Innovation

Consistently creating customer value with innovative technology.



## Business Scale

Extensive capabilities to deliver on customer promises.



## Direct

Direct offices in over 30 countries with local application experts nearby to help.



11475 Lakefield Drive  
Duluth, GA 30097-1511

(800) 683-2314  
nordsonadhesive.com

