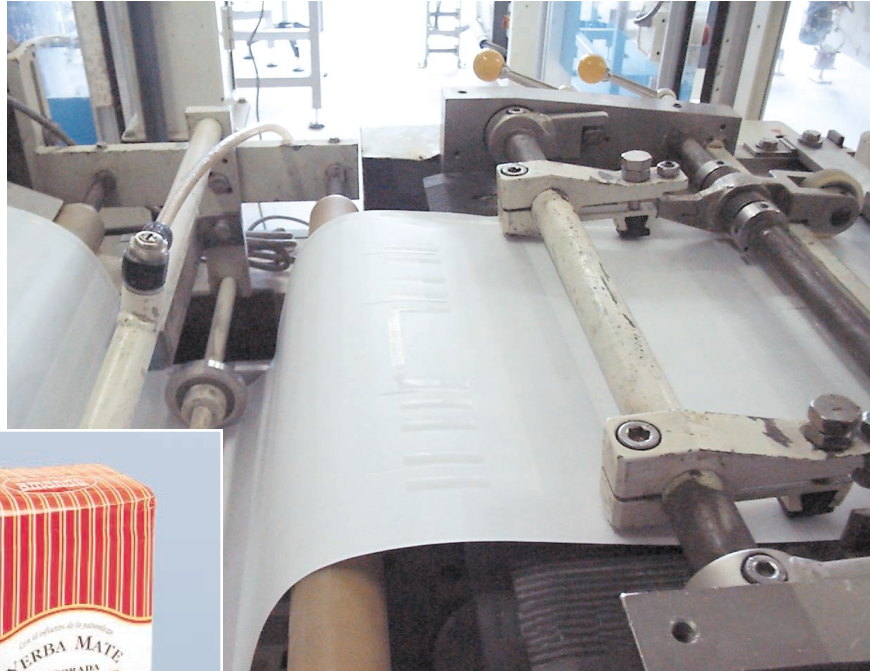


Adhesive Systems for Bag Forming and Sealing



Closed system delivers cold and hot melt adhesive to side, bottom and top seams in bag forming and sealing operations.



Cold Adhesive Application

In form fill and seal packaging, sensitive products like sugar, salt, starch, instant products and powdered milk often require an inner plastic or paper bag to protect the product from moisture or odors that can penetrate the outer cardboard box or container.

In addition, special polyethylene (PE) coated paper is required to prevent the loss of product additives (for example, the vaporization of iodine through non-coated paper in the packaging of salt).



Inner bags have a longitudinal side seam and a bottom seam that are glued prior to the filling operation.

The Nordson system uses a patented Chameleon™ slot gun with Nordson LA 710 modules to apply cold adhesive to side and bottom seams, replacing conventional open wheel pots in which cold adhesive is applied by direct contact with the wheel.

The non-contact slot gun provides superior adhesive application and seam sealing on a wide variety of substrates including polyethylene coated papers.

A high-pressure piston pump delivers the cold adhesive directly from a sealed reservoir to the dispensing gun without exposure to ambient air. This closed system reduces the potential for adhesive contamination and glue drying or crusting on adhesive wheels and other components between production breaks or shifts.



LA 360 pump



EPC-30 pattern control

Precise application improves product quality and production efficiency

- Delivers accurate, repeatable adhesive deposition and sharp adhesive cutoff.
- Applies a wide range of cold adhesives with excellent volume and pattern control.
- Uneven application, glue slinging, and clean-up required with wheel application systems are eliminated.
- The need to clean wheel pots and dispose of adhesive-contaminated cleaning wastewater is eliminated.
- Adhesive costs, labor costs, environmental concerns, downtime and maintenance are reduced.
- Fast adhesive pattern changes are made by replacing the mouthpiece on the slot gun and selecting from up to 50 programs stored on the Nordson EPC-30 pattern control.



Hot Melt Adhesive Application

After the inner bag is formed and filled, a Nordson hot melt adhesive system affixes and seals the outer package using a Nordson ProBlue melter and Nordson H-400 multi-module guns. ProBlue melters are available in a range of tank sizes, melt and throughput rates to meet specific application needs. Series H-400 guns are available in a variety of single and multi-module configurations to meet specific packaging requirements.



ProBlue™ melter

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

United States

Duluth, Georgia
Telephone: (800) 683-2314
Toll-free Facsimile:
(866) 667-3329

Canada

Markham, Ontario
Telephone: (800) 463-3200
Facsimile: (905) 475-8821

Europe

Lüneburg, Germany
Telephone: (49) 4131-894-0
Facsimile: (49) 4131-894-149

Japan

Tokyo, Japan
Telephone: (81) 3-5762-2700
Facsimile: (81) 3-5762-2701

Asia/Australia/ Latin America

Amherst, Ohio
Telephone: (440) 985-4797
Facsimile: (440) 985-1096

www.nordson.com



When you expect more.®