Expand Your Folding Carton Product Offering

Adding clear box manufacturing capability to your existing folder gluer helps you maximize equipment utilization. The Nordson clear box system easily incorporates into your production line for clean, transparent side seams and auto lock bottoms.

The high visibility that makes clear box packaging attractive to consumers necessitates reliable, high quality adhesive application. Adhesive visibility is minimized and bond quality improved by using PUR adhesives applied with equipment specifically designed for clean, reproducible dispensing. Although plastic substrates usually require some surface preparation, the corona treatments typically applied before printing are also sufficient for adhesion using the PUR adhesives now available.

Clear Box Adhesive Solutions

Nordson combines years of experience with folding carton adhesive application and with PUR adhesives to provide dispensing solutions for clear box manufacturing. A full range of equipment designed to apply PUR adhesives on PE, PP or PVC delivers the flexibility to develop a system to meet specific manufacturing requirements and be easily incorporated into existing carton production lines.

Nordson offers a range of contact or non-contact dispensing guns to meet the precise needs of lock bottom and side seam adhesive application. The dispensing guns deliver clean cutoff for a precise adhesive dot or bead, and an attractive finished box. The patented sniff back feature of Nordson slot nozzle technology provides a nearly invisible adhesive bead and good seal with virtually no squeeze out.

A variety of melters are available to accommodate PUR whether packaged in drums, pails or slugs. Nordson melters precisely regulate temperatures to maintain optimum adhesive control and integrity. As part of a closed adhesive application system, these melters help reduce maintenance and improve quality.

Easy Equipment Installation

Complete adhesive dispensing systems include the melter, applicators/guns and other components for easy installation on existing or new folder gluers. Guns for side seam can be positioned to replace existing cold glue wheels, and the PUR adhesive guns used for the crash lock bottom take the place of the cold glue guns. With this system a standard folder gluer can produce clear boxes, replacing the more difficult process and additional equipment needed for manufacturing traditional folding cartons with windows.

Nordson clear box systems typically tie-in to the existing folder gluer controls to further simplify installation and operation. However, Nordson offers an optional pattern control with multi-program memory and touch screens if additional production flexibility requires it.

These systems benefit from Nordson’s years of experience working with PUR adhesives. A worldwide service and support network will help you specify, set-up and maintain your equipment.
Features

- **Melters specially-developed** for reactive adhesives work with hot melt PUR packaged in slugs, pails or drums.

- **Precise temperature regulation** with clear visual display protects adhesive integrity and helps avoid viscosity variations. Nordson melters “melt-on-demand” technology processes only the adhesive needed so reduces thermal stress and protects adhesive bonding characteristics.

- **Guns with patented sniff back feature or air open/air close modules** deliver clean adhesive cutoff. Choices of contact or non-contact and pneumatic or electric guns provide a variety of patterns including ribbon, beads or dots.

- **Systems** include all necessary equipment to easily convert existing or new folder gluers and produce high quality transparent boxes.

- **A single melter** can support one, two or three gun configurations.

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

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