

# Adhesive Application Systems for Clear Box Manufacturing



*PUR adhesive expertise delivers precise, reproducible adhesive application for clear box manufacturing.*



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.

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 or bags. 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.

The Nordson pattern controls help increase production flexibility. Touch pads or screens simplify programming and in conjunction with the multi-program memory deliver rapid pattern changeover. The pattern controls direct multiple trigger inputs and gun outputs and provide several bead choices including dot, stitch and modulated patterns.

These complete turnkey systems include the bracketry, components and accessories for easy installation on existing 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.

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.

## Adhesive Application Systems for Clear Box Manufacturing



Melter visual display verifies precise temperature regulation.



Sniff back technology delivers precise adhesive cutoff with minimum squeeze out.



Air-open/air-close feature minimizes stringing of even aggressive adhesives.

### Features

- **Specially-developed melters** work with PUR adhesives packaged in bags or drums.
- **Precise temperature regulation** with clear visual display protects adhesive integrity and helps avoid viscosity variations.
- **Guns with patented sniff back feature and air open/air close modules** deliver clean adhesive cutoff.
- **Controls with multiple program memory and multi-language touch screen** allow fast format changeover.
- **Turnkey systems** include all necessary equipment to easily convert an existing folder gluer and produce high quality transparent boxes.



Controls offer application flexibility and easy operation.

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

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