

Wraparound Labeling System

Roll-fed Applications



Non-contact adhesive dispensing system enhances production efficiency in roll-fed labeling operations.



High-performance system optimizes adhesive use and increases productivity

In roll-fed labeling applications, hot melt adhesive is typically applied to labels using wheel-pot systems. These open systems expose the hot melt adhesive to ambient air, dust, and other contaminants that cause oxidation and material degradation.

In wheel pot systems, labels can become skewed as the hot melt adhesive wheel contacts the label. Time consuming maintenance is also required to keep the vacuum drum clean and the wheel pot applicator operational.

The new Nordson® roll-fed labeling system replaces open wheel-pot systems.

Precise adhesive placement

The closed labeling system uses a Nordson hot melt applicator to deliver adhesive to a PatternJet Plus™ gun*. The PatternJet Plus gun accurately applies mini-beads of adhesive to the leading and trailing edges of the label after it is placed on the vacuum drum.

The Nordson roll-fed labeling system retrofits into existing labeling machines

Non-contact solution improves efficiency

- The system dispenses adhesive cleanly, reducing unscheduled downtime and significantly improving line efficiency.
- The PatternJet Plus non-contact dispensing gun does not touch the vacuum drum, eliminating the need for drum re-surfacing and minimizing maintenance operations.
- Line speeds up to 36,000 containers per hour are achievable.

Closed system protects adhesive

- The first-in / first-out, closed system protects adhesive from ambient air, moisture, dust, label stock debris and other contaminants, resulting in improved label adhesion and fewer product rejects.
- Adhesive does not circulate within the system. Adhesive does not degrade or become contaminated and does not need to be changed regularly, as it does with wheel-pot systems .
- Highly precise adhesive deposition provides up to 50% adhesive savings compared to traditional wheel-pot systems

* Patent applied for



Non-contact adhesive system allows labelers to minimize maintenance and downtime and improve productivity.

High-efficiency system delivers improved quality and safety

- The PatternJet Plus gun does not come in contact with the label, greatly reducing the chance of label misalignment.
- Adhesive is evenly distributed from top to bottom on both the leading and trailing edges of the label, providing a consistent, reliable bond.
- Precise temperature control and accurate adhesive deposition virtually eliminates flagging, adhesive squeeze-out on the label and machine contamination.
- Key-to-line gear pump technology accurately delivers the same amount of adhesive per product, at any speed.
- Workplace safety is improved by eliminating open wheel-pots of molten adhesive.

Expand your capabilities

Nordson adhesive dispensing systems can also help improve productivity in magazine-fed and in-line, roll-fed labeling operations. An extensive selection of hot melt applicators and guns meet diverse labeling requirements and easily integrate into existing labeling machines.

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

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