

Wraparound Labeling System

Carousel Magazine-fed Applications



Closed adhesive dispensing system enhances production efficiency in labeling operations.



Nordson® hot melt application systems and guns are available to meet a wide variety of container styles and sizes.

Clean, high-performance system optimizes adhesive use and increases productivity

In carousel systems using wraparound labels, hot melt adhesive is typically applied to plastic bottles and metallic cans using wheel-pot systems. These open systems expose the hot melt adhesive to ambient air, dust, and other contaminants which cause oxidation and material degradation.

In addition, the label as well as the can or bottle must make contact with the hot melt adhesive wheels. In this process, contaminants are transferred onto the container and label, reducing adhesive effectiveness and impairing package aesthetics.

The new Nordson wraparound labeling system replaces open wheel-pot systems.

Precise adhesive placement

The closed labeling system uses a Nordson hot melt applicator to deliver adhesive to PatternJet™ guns*. The pick-up PatternJet gun accurately applies spiral-shaped swirls or mini-swirls of adhesive to the body of the bottle or can before the label is applied.

After the container picks up the label from the label stack, the Nordson hot melt system feeds a second PatternJet gun integrated in the magazine (label stack) and applies mini-swirls, beads or a strip of adhesive to the cross seam, sealing the label end.

The Nordson labeling system retrofits into existing labeling machines.

* Patent applied for

Reliable label application

- Pick-up gun does not come in contact with the product. Misalignment of bottles or cans caused by contact with adhesive wheels is eliminated, providing more consistent label pick-up.
- Ideal for operations that use PVC or PET bottles containing carbonated beverages, the labeling system is also capable of applying labels to deformed, irregular or odd shaped (inflated, oval) cans or containers.
- The closed adhesive system results in fewer contaminants, improved label adhesion, fewer product rejects and better looking labels.
- Line speeds up to 84,000 containers per hour are achievable.

Minimizes adhesive waste

- Adhesive does not circulate within the system. There is no need to change degraded or contaminated adhesive in a wheel pot.
- The first-in, first-out closed system and precise adhesive deposition provides up to 80% adhesive savings compared to traditional wheel-pot systems.
- Precise temperature control and accurate adhesive deposition eliminates flagging, adhesive squeeze out on the label and machine contamination.
- Gear pump technology delivers the same amount of adhesive per product, every time, at any speed.

Wraparound Labeling System



Closed system reduces maintenance and improves safety

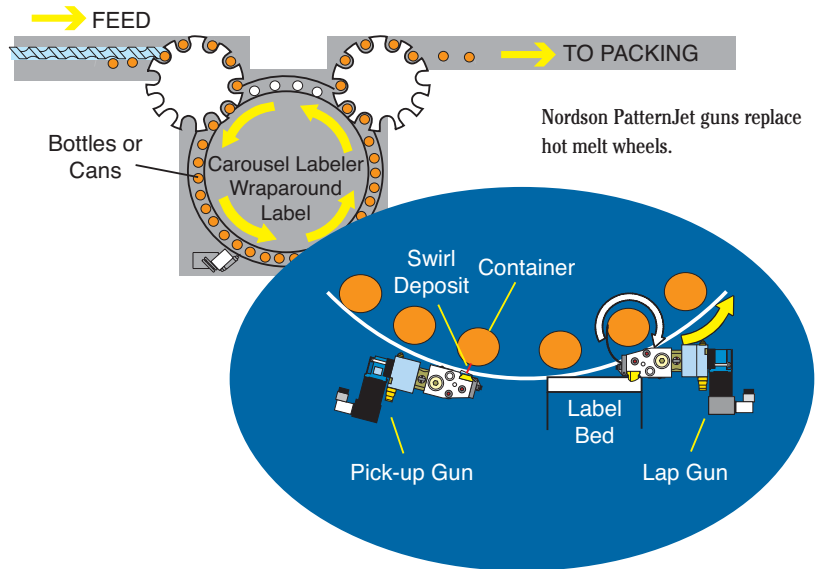
- Protects adhesive from ambient air, moisture, dust and other contaminants.
- Minimizes line stoppages and lengthy maintenance operations. Guns with boosted solenoids are waterwash.
- Eliminates cleaning of encrusted roller surfaces, wheels, doctor blades, scrapers, roller circulation overflow pans, and uncoated heated vessels.
- Improves workplace safety by reducing the hazards associated with open wheel pots.

Expand your capabilities

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



Closed adhesive system allows labelers to minimize maintenance and downtime and improve productivity.



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