

# Carousel Wraparound Labeling System



*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.

## **Precise adhesive placement**

The Nordson carousel wraparound labeling system uses a Nordson hot melt applicator to deliver adhesive to patented Controlled Fiberization™ (CF) guns. The CF guns accurately apply spiral-shaped dots or 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 uniquely configured Nordson LabelCoat™ slotgun integrated in the magazine (label stack) and applies a bar or strip of adhesive to the cross seam, sealing the label end.

The Nordson system is easily retrofitted into existing wheel-pot systems.

## **More consistent label application**

- The Controlled Fiberization gun does not come in contact with the product. Misalignment of bottles or cans caused by contact with adhesive wheels is eliminated, assuring more consistent label pick-up.

- Deformed, irregular or odd shaped (inflated, oval shaped) cans or bottles do not affect label application. The system is ideal for operations that use PVC or PET bottles containing carbonated beverages.

- The closed adhesive system results in fewer contaminants, improved label adhesion, fewer product rejects and better looking labels.

- Line speeds up to 60,000 containers per hour are achievable.

## **Minimizes adhesive waste**

- Costs are reduced with accurate adhesive application on the can or bottle and the label. Unsightly adhesive squeeze out on the label is eliminated.

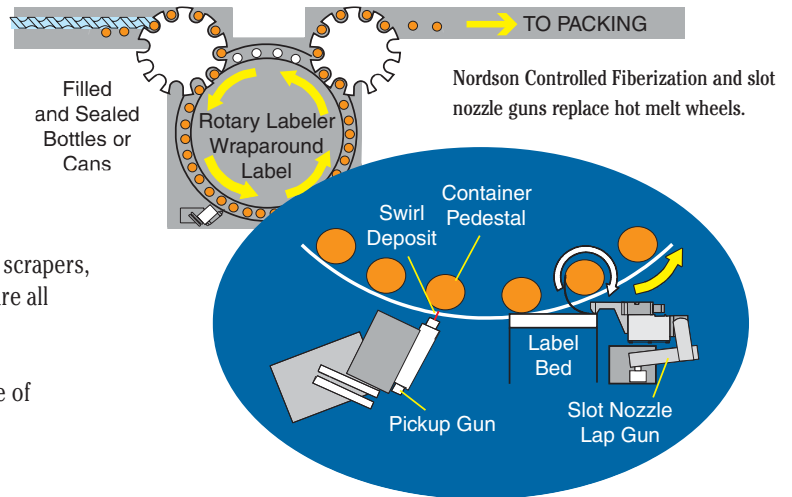
- Adhesive does not circulate within the system. There is no need to change degraded or contaminated adhesive in a wheel-pot.

- Precise adhesive deposition, less spillage and less char reduce hot melt material use.

# Carousel Wrap-Around Labeling System

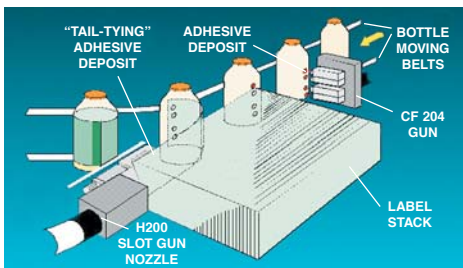
## Closed system reduces maintenance and improves safety

- Adhesive is protected from ambient air and the plant environment, minimizing degradation and charring.
- Frequent line stoppages and lengthy clean up operations are minimized.
- The need to clean encrusted roller surfaces, wheels, doctor blades, scrapers, the roller circulation overflow pan and the uncoated heated vessel are all eliminated.
- Filling of hot adhesive wheel-pots is eliminated, reducing the chance of related workplace hazards and improving safety.

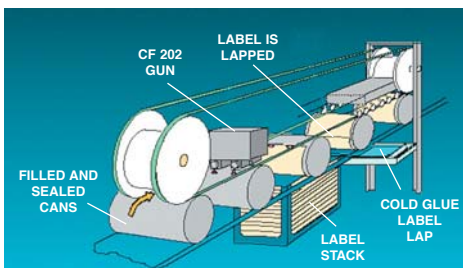


## Expand your capabilities

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



Straight-line Labeling



Horizontal Can Labeling



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

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

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