Improving Product Quality and Reducing Costs with Nordson Automated Gasketing Systems

Potential Benefits of Automated Gasketing over Die-Cut and Foam Tape Gaskets

- Increased productivity
- Reduced costs
  - labor
  - material
  - scrap
- Improved quality
- Versatility

Automated gasketing is beneficial to virtually any gasketing application from automotive taillights to electrical enclosures to window backbedding and appliance seals. Manufacturing processes from semi-automated, single-item production to fully-automated, continuous production lines will benefit from automating gasket placement.

Nordson® equipment dispenses a wide range of materials including silicones, urethanes, thermoplastics and butyls. These materials can be dispensed in their original state or combined with inert gas to create a lightweight, compressible foamed gasket.

Nordson product offerings include melters, pumps, foaming equipment, dispensing guns, hoses and automation support.

A worldwide sales and service support network provides application development assistance, system design and on-going support.
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Benefits of Automated Gasketing

■ Increased Productivity
  • Reduce bottlenecks resulting from excessive part handling.
  • Apply dispensed gaskets up to four times faster than manually applied gaskets.

■ Reduced Costs
  • Payback automated gasketing systems within 12 to 18 months by reducing labor and material costs.
  • Reduce or eliminate costs associated with ordering, shipping, handling, inventory and other indirect labor costs.
  • Labor
    - Reduce labor required for manual applications of gaskets. A single operator can monitor the gasket process along with other tasks.
  • Materials
    - Eliminate the need for multiple boxes of die cut or roll gaskets. Bulk-supplied, dispensed materials require less inventory space.
    - Dispensed gaskets are as little as one-tenth the cost of die cut or tape gasket seals.
  • Waste/Scrap
    - Lessen waste material from scrap, excess inventory and tape release paper.
    - Decrease errors and rework that typically result from manual placement.

■ Improved Quality
  • Automated gaskets can be monitored by means of automation reducing operator application errors.
  • Produce repeatable, consistent dispensing for precise gasket placement.

■ Versatility
  • Quickly and easily modify gasket placement and configurations to accommodate part design change requirements and future design needs.
  • Easily incorporate new applications into existing work cells.