ROO100™
PRE-MADE POUCH FILL & SEAL MACHINE

- SAVE TIME
  CHANGEOVER IN LESS THAN 30 SECONDS
- SAVE FLOOR-SPACE
  MOST COMPACT FOOTPRINT ON THE MARKET
- SAVE MONEY
  AFFORDABLE AND SCALABLE

NT Nortech Packaging
Where automation happens.
HOW IT WORKS.

CONTROL STATION
Custom recipe presets allow for fast 30-second push-button changeovers.

POUCH MAGAZINE
Stacks of pouches are placed in magazine cells without the need for pouch shingling. Auto-adjustable guides ensure precise loading position.

POUCH SETUP & GRIP
Pouch is transferred from the magazine to the carrier track and secured between two grippers.

OPENING STATION
Vacuum suction cups pre-open the seal and the body of the pouch. The pouch is now primed for filling.

FILLING STATION
Your product fills the pouch. The ROO-100 is easily integrated with any standard infeed/dosing system. *See page 3 for more details.

SEALING STATION & DISCHARGE
The pouch is tightly sealed with a hot bar, discharged, and ready for further processing.

A CLOSER LOOK: POUCH CARRIER TRACK (3-STATION MODEL SHOWN)

CONTACT 847.884.1805 info@nortechpackaging.com

NORTECH PACKAGING
NORTECHPACKAGING.COM
**KEY FEATURES**

**MACHINE OPTIONS.** The R00-100 can feature:

- **WASHDOWN**
  - Machine can feature washdown structure with Nema 4x enclosures, so you can clean the machine with a spray of water without worrying about electrical components or rust.

- **NITROGEN GAS FLUSHING**
  - Fills the pouch with nitrogen right before sealing the pouch. Nitrogen (unlike oxygen) keeps your product fresh.

- **DUST SHROUDER**
  - Remove excess dust generated during filling stage. For non-free-flowing products.

- **BOTTOM POUCH SUPPORT**
  - Conveyor system provides additional support for heavier pouches, relieving pressure on the grippers.

- **POUCH DEFLATOR**
  - Eliminates excessive air from the pouch.

- **HOLE PUNCH/DIE CUT**
  - Punches or cuts a hang hole after pouch sealing.

- **CODE/DATE PRINTER**
  - Prints a code/date on the pouch. Includes camera verification.

- **VIBRATORY SETTLER**
  - Provides improved product settling inside the pouch.

- **SEAL COOLER**
  - Cools the area of the pouch that is heated by sealing.

**PRODUCT INFEED OPTIONS.** The R00-100 can be integrated with standard filling/dosing systems:

- **AUGER FILLER**
  - Suitable for non-free flowing products and products that generate dust like coffee, flour and other similar powders.

- **MULTIHEAD WEIGHER/SCALE**
  - Allows more packs per weight of product, and more packs per shift due to improvement of weighing accuracy. Suitable for complex, multiple component products like cereal mix.

- **ROBOTIC INTEGRATION**
  - Recommended for sensitive and fragile products that demand delicate handling, like electronics, or glass.

- **VOLUMETRIC CUP FILLER**
  - Recommended for free-flowing solids like rice, candies or frozen peas or powders that don’t generate dust.

- **VIBRATORY COUNTER/FILLER**
  - Suitable for packaging application where measuring precision and accuracy are crucial and for products that are uneven, such as wafers, grains, and nuts.

- **HIGH-SPEED CONVEYOR**
  - Recommend for transferring products from one location to another quickly.

**UP/DOWNSTREAM OPTIONS.** The R00-100 can be enhanced with a variety of external components for a Full-line integration:

- **LABELER**
  - Automatically apply labels to pouches and/or cases.

- **CASE PACKER**
  - Pack pouches in a variety of case/boxes.

- **PALLETER**
  - Stack ready-to-ship pallets. Robotic and traditional palletizer are available.

- **CHECKWEIGHTER**
  - Improve weight control and verification.

- **METAL DETECTOR**
  - Detect all unwanted metal particles.

- **REJECT STATION**
  - Discover and remove scrap pouches automatically.
ROO100™

MODELS

ROO-100-5
5-STATION BASE MODEL

ROO-100-7
7-STATION EXTENDED MODEL

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>MACHINE PITCH</th>
<th>10”</th>
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<tbody>
<tr>
<td>SPEED</td>
<td>MAXIMUM SPEED DEPENDING ON PRODUCT AND POUCH SIZE 40 PPM</td>
</tr>
<tr>
<td>DIMENSIONS (ROO-100-5)</td>
<td>LENGTH 160” WIDTH 50” HEIGHT 57”</td>
</tr>
<tr>
<td>DIMENSIONS (ROO-100-7)</td>
<td>LENGTH 160” WIDTH 54” HEIGHT 57”</td>
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<tr>
<td>POUCH SIZE RANGE</td>
<td>4-16” HEIGHT 6-21” IVORY 0-6”</td>
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<td>CONTROLS</td>
<td>A. B. Compact Logic, A. B. PanelView HMI</td>
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<tr>
<td>SERVOS AND MOTORS</td>
<td>ALLEN BRADLEY</td>
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<tr>
<td>INPUT VOLTAGE</td>
<td>240-480 V</td>
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<tr>
<td>INPUT AIR</td>
<td>70-90 PSI</td>
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THE NORTECH GUARANTEE

All Nortech Packaging Machines Come Standard With:

- Fast Delivery and Global Service Support
- Detailed Manuals and Documentation
- Complete Spare Parts Support

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Information presented is subject to change as product improvements are made. Contact Sales Department for current specifications.