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.

ROO100™

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.
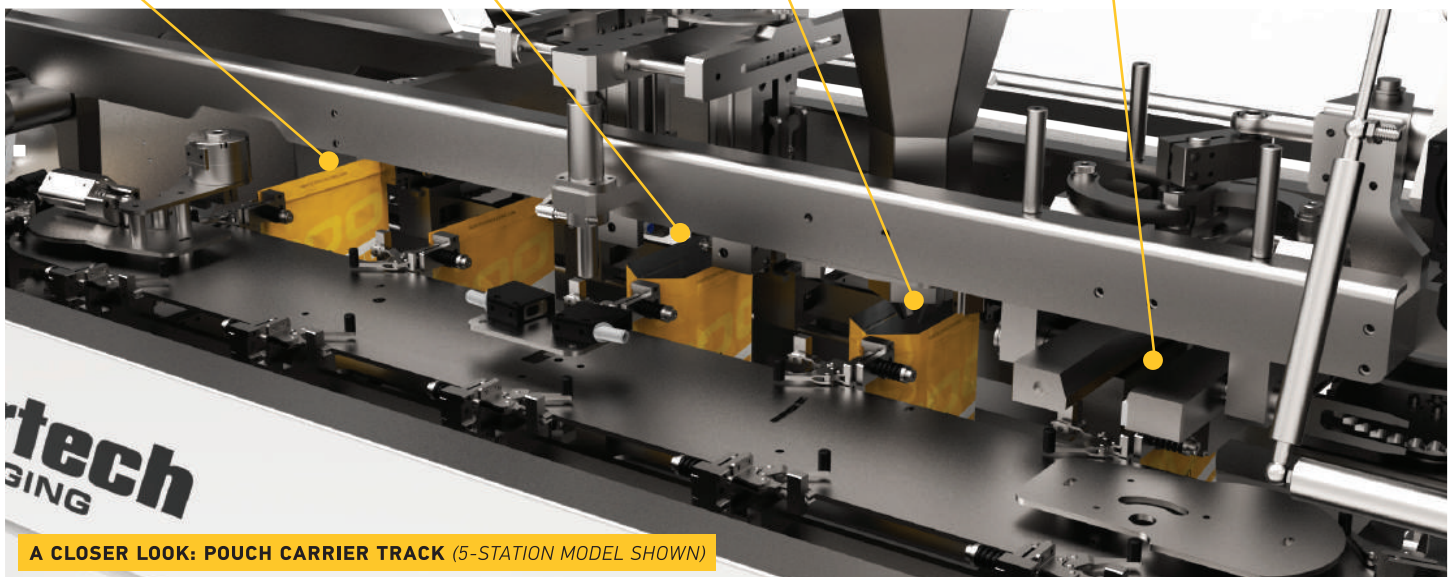
FILLING STATION
Your product fillls the pouch. The ROO-100 is easily integrated with any standard infeed/dosing system.

see page 3 for more infeed 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 *(5-STATION MODEL SHOWN)*
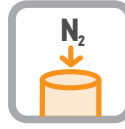
KEY FEATURES

▶ MACHINE OPTIONS. The ROO-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
N₂
Fills the pouch with nitrogen right before sealing the pouch. Nitrogen (unlike oxygen) keeps your product fresh.
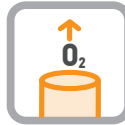
DUST SHROUDER
Remove excess dust generated during filling stage. For non-free-flowing products.
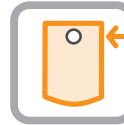
BOTTOM POUCH SUPPORT
Conveyor system provides additional support for heavier pouches, relieving pressure on the grippers.

POUCH DEFLATOR
O₂
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. Inludes 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 ROO-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.
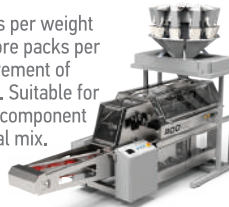
ROBOTIC INTEGRATION
Recommended for sensitive and fragile products that demand delicate handling, like electronics, or glass.

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 transfering products from one location to another quickly.

▶ UP/DOWNSTREAM OPTIONS. The ROO-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

PALLETIZER
Stack ready-to-ship pallets. Robotic and traditional paletizer are availble.
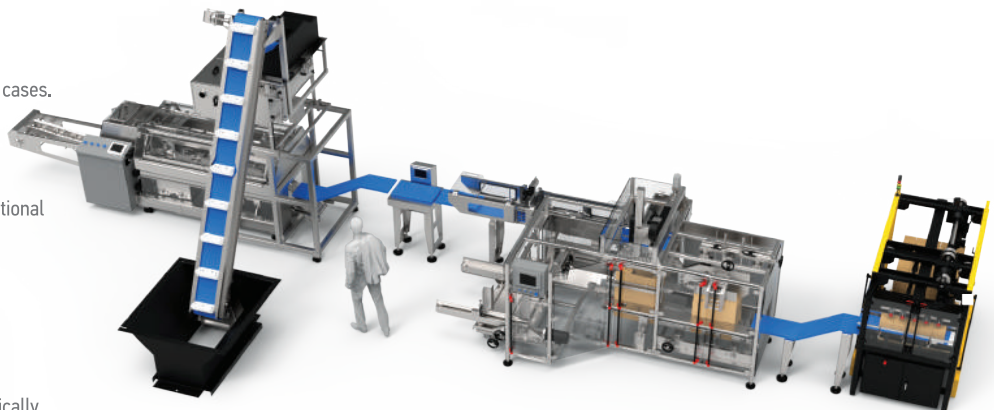
CHECKWEIGHER
Improve weight control and verification.

METAL DETECTOR
Detect all unwanted metal particles.

REJECT STATION
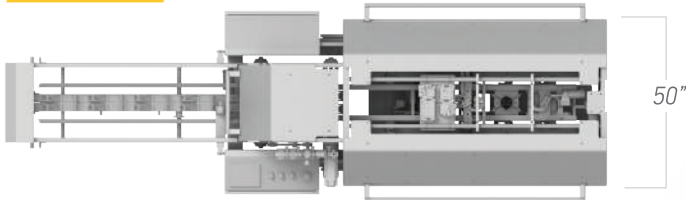Discover and remove scrap pouches automatically.

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ROO100™

MODELS

ROO-100-5
5-STATION BASE MODEL

ROO-100-7
7-STATION EXTENDED MODEL

ROO-100-7 MODEL

TOP VIEW

50"

SIDE VIEW

57"

140"
ROO-100-7 160"

ROO-100-5 MODEL
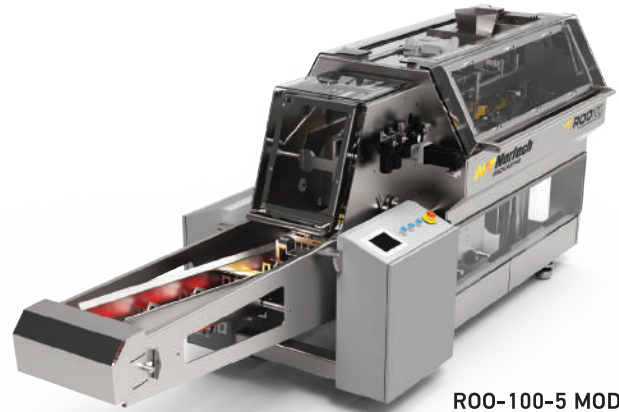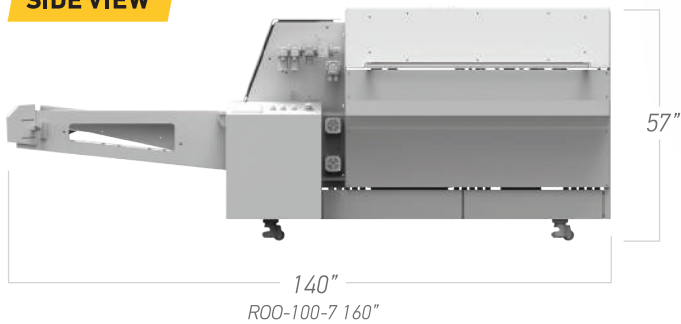
TECHNICAL SPECIFICATION

MACHINE PITCH			10"
SPEED	*MAXIMUM SPEED DEPENDING ON PRODUCT AND POUCH SIZE*		40 PPM
DIMENSIONS *(ROO-100-5)*	*LENGTH* 140"	*WIDTH* 50"	*HEIGHT* 57"
DIMENSIONS *(ROO-100-7)*	*LENGTH* 160"	*WIDTH* 54"	*HEIGHT* 57"
POUCH SIZE RANGE	*WIDTH* 4-16"	*HEIGHT* 6-21"	*GUSSET* 0-6"
CONTROLS	A. B. Compact Logic, A. B. PanelView HMI		
SERVOS AND MOTORS			ALLEN BRADLEY
INPUT VOLTAGE			240-480 V
INPUT AIR			70-90 PSI

THE NORTECH GUARANTEE

All Nortech Packaging Machines Come Standard With:

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

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

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