



CARDBOARD BOXES



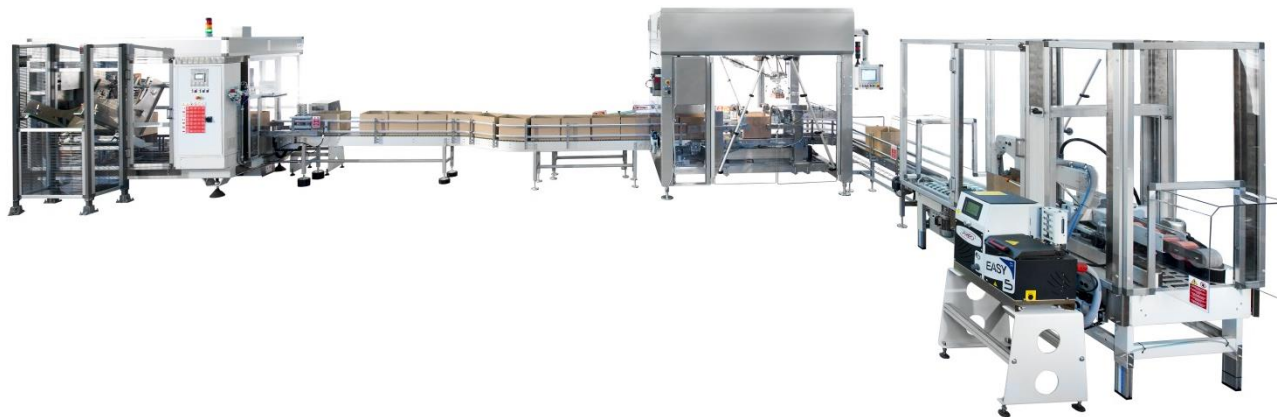
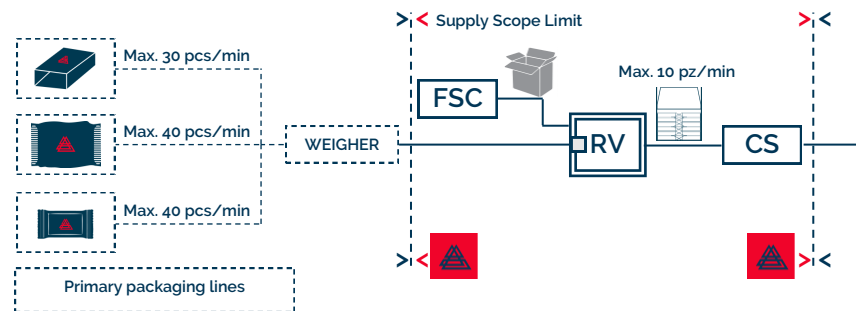
PILLOW BAGS



FLOWPACK

LINE FOR THE SECONDARY PACKAGING OF PILLOW BAGS, CARDBOARD BOXES AND FLOWPACKED LOAFS INTO CARTON BOXES

- ⇒ **OUTPUT CAPACITY:** Up to 10 boxes/minute
(up to 40 pillow bags/min, or 40 flowpacked loafs/min, or 30 cardboard boxes/min fed to the packaging cell)
- ⇒ **VERSATILITY:** 3 types of different packages as input (pillow bags, cardboard boxes and flowpack) 8 different weights (depending on the type of primary packaging) and 4 different sizes of carton boxes to fill
- ⇒ **USER-FRIENDLINESS:** Easy and fast production changeover
- ⇒ **RELIABILITY:** Designed and built to operate continuously, 3 working shifts per day



ABRIGO
ROBOTIC SYSTEMS FOR FOOD INDUSTRY



CARTON BOXES

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CARDBOARD BOXES



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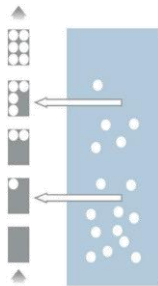


FLOWPACK

DESCRIPTION AND TECHNICAL SPECIFICATIONS

- ⇒ Product handling through modular plastic belt conveyor
- ⇒ n.1 FSC - box forming unit
- ⇒ Handling of the empty boxes between the forming unit and the pick & place cell by means of a modular plastic belt conveyor
- ⇒ n.1 RV - pick & place robotic cell, Abrigo MRS "Robovision", with 4-axis delta robot, complete with artificial vision and light, to guide the robot
- ⇒ n.1 dedicated handling gripper with vacuum cups (based on Venturi effect), suitable for the pillow bags and for the flowpacked loafs
- ⇒ n.1 dedicated handling gripper with vacuum cups (based on Venturi effect), suitable for the cardboard boxes
- ⇒ Automatic aligning system for the matrix of cardboard boxes
- ⇒ Pneumatic system with air treatment and electro valves positioned in field
- ⇒ Mechanic pusher to transfer the filled boxes onto the cell unloading conveyor
- ⇒ Handling of the filled boxes between the pick and place cell and the boxes sealing unit, by means of modular plastic belt conveyor
- ⇒ n.1 CS - boxes sealing unit

WAY OF PACKAGING



Product arriving bulk on a belt conveyor.
 Vision system to guide the robot-picker.
 Dedicated grippers, according to the characteristics of the primary packaging of the incoming product.
 Product positioned horizontally into the boxes.



Power Supply	3f + n, 400V, 50Hz
Installed Power	30kW
Packaging cell dimensions (L x W x h)	2.500 x 2.100 x 2.500mm
Compressed Air	5bar, 1.600NL/min



Technical data are just for reference purpose and refer to a specific application.

