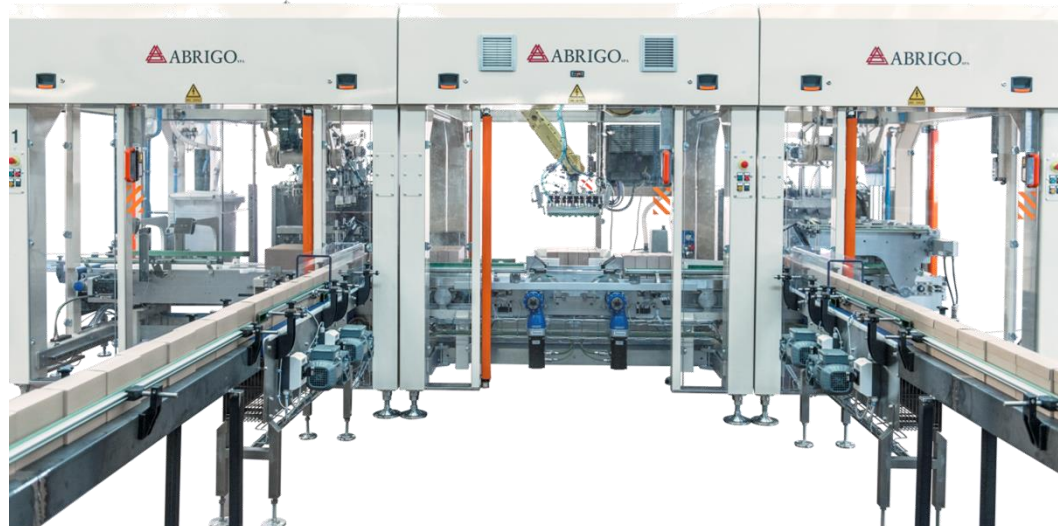
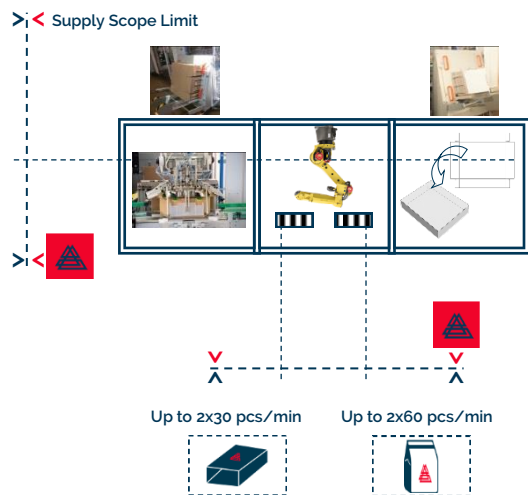


CARDBOARD BOXES

DISPLAY BOX CASE PACKER FOR THE SECONDARY PACKAGING OF CARDBOARD BOXES

- ⇒ **OUTPUT CAPACITY:** Up to 9,3 display boxes/minute
(up to 120 boxes/minute fed to the case paker)
- ⇒ **VERSATILITY:** 2 different types of cardboard boxes
2 different types of display boxes
- ⇒ **USER-FRIENDLINESS:** Production changeover is **fully automated**
- ⇒ **RELIABILITY:** Designed and built to operate continuously, 3 working shifts per day



ABRIGO
ROBOTIC SYSTEMS FOR FOOD INDUSTRY



MADE IN ITALY



DISPLAY BOXES

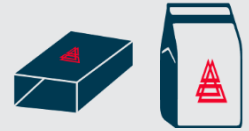
ABRIGO S.p.A.

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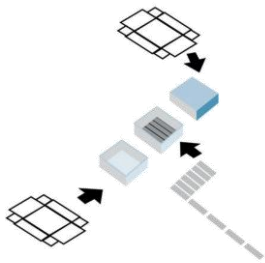


CARDBOARD BOXES

DESCRIPTION AND TECHNICAL SPECIFICATIONS

- ⇒ Robotic cell made of 3 modules Abrigo MRS: trays forming module, pick and place module, top covers forming and closing module
- ⇒ Product handling by 2 plastic chain conveyors
- ⇒ n.2 medium speed sorters; they do not require any set up or adjustment for production changeover
- ⇒ Cardboard trays forming and erecting module, with 2-axis robot by Abrigo and hot-melt gluing system; fully automated setting of the die and of the gluing heads for production changeover
- ⇒ Trays handling through stepping conveyor
- ⇒ Pick & place module with 6-axis industrial robot, equipped with self-adjustable gripper (production changeover fully automated and no need to change the gripper according to the inlet product)
- ⇒ Lidding module with 2-axis robot by Abrigo and special gripper that forms the top cover of the display box and applies it on the tray by gluing (hot-melt glue); fully automated setting of the gripper and of the gluing heads for production changeover
- ⇒ Fully automated system for the adjustment of the guide rails and alignment devices for production changeover

WAY OF PACKAGING



Product coming in row, on a conveyor.
 Sorting in groups.
 Placing the product into the tray.
 Applying the lid to the filled tray.



Power Supply	3f + n, 400V, 50Hz
Installed Power	55kW
Packaging cell dimensions (L x W x h)	6.300 x 3.800 x 2.500mm
Compressed Air	5bar, 1.400NL/min

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



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