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 packer)

⇒ **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

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**ABRIGO S.p.A.**
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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.

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>3f • n. 400V, 50Hz</th>
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<tbody>
<tr>
<td>Installed Power</td>
<td>55kW</td>
</tr>
<tr>
<td>Packaging cell dimensions (L x W x h)</td>
<td>6.300 x 3.800 x 2.500mm</td>
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<tr>
<td>Compressed Air</td>
<td>5bar, 1.400NL/min</td>
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Technical data are just for reference purpose and refer to a specific application.