COLLABORATIVE / BOXES PALLETIZING SYSTEM

The COBOX is how ABRIGO has imagined and engineered a right collaborative concept for palletizing operations dedicated to all his potential customers. The safest compliant and easiest to use system on the market, want to be the next milestone for our customers and the next future.

The COBOX is addressed to all those who need a flexible, moveable, affordable palletizing system. COBOX is equipped by a full safe scanner system on the floor join to the integrated collaborative function of the cobot. This solution doesn’t require any additional safe system on board to the grippers and permit to be fast as nobody else. COBOX is provide in three different sizes, engineered on purpose to answer to all the customer needs.

MAIN FEATURES

- SINGLE gripper system
- SINGLE roller conveyor feeding
- COBOT : 6 AXIS OMRON 10 Kg payload
- COBOT : 6 AXIS DOOSAN 20 Kg payload
- ADDITIONAL 7th Z AXIS
- Min. box dimension mm : L=220 H=140 W=220
- Max. box dimension mm : L=400 H=200 P=400
- Max. box weight : 7-8 Kg (TBD by the gripper)
- Max. box weight : 15-16 Kg (TBD by the gripper)
- Max palletizing height: H=2000 mm
- Max palletizing height: H=2500 mm (TBD by the box dimension)
- Available pallet configuration: UE 1200x800
- Available pallet configuration: US 1200x1000
- Available pallet configuration: US 1200x1000
- Scanner system for detection working area
- Easy to use palletizing software

AVAILABLE ACCESSORIES AND CONFIGURATION:

- Slip sheet storage
- MULTIPLE gripper system
- DOUBLE roller conveyor feeding
- DEPALLETIZING software mode
## TECHNICAL DATA

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product feeding</td>
<td>IN LINE</td>
</tr>
<tr>
<td>Product feeding height</td>
<td>1000 mm</td>
</tr>
<tr>
<td>Air supply</td>
<td>pneumatic tube 12mm:6bar 350Nlt/min</td>
</tr>
<tr>
<td>Electric supply</td>
<td>220Volt monophase 16A</td>
</tr>
<tr>
<td>Max foot print</td>
<td>Lenght 3450 Width 3060 Height</td>
</tr>
<tr>
<td>Weight (Kg)</td>
<td>450 500 550</td>
</tr>
<tr>
<td>Color</td>
<td>RAL7035</td>
</tr>
<tr>
<td>Protection</td>
<td>IP54</td>
</tr>
<tr>
<td>Certification</td>
<td>CE</td>
</tr>
</tbody>
</table>

### SIZE S

![Image of SIZE S machine]

### SIZE L

![Image of SIZE L machine]