



BoxButler

Tube unpacking machine

Your Benefits

- Ideal for unpacking boxes filled with tubes
- Conveyor transfer on pin chain, basket conveyor, or other type of conveyors
- High production reliability
- Interchangeable tray belt height adjustable with scaling
- High performance and efficiency
- Linear axis robot with adaptable integrated spread gripper

Robot unloading tubes from filled tray

The BoxButler unpacking machine unpacks tubes, cartridges, aerosol cans, metal, and plastic caps, and other cylindrical objects. Furthermore, it can be used as an upstream machine for any kind of printing, decoration, heading, capping, or heading capping machines. The BoxButler offers a speed of up to 165 products per minute for 50mm diameter products (based on 88 products per box or 11 products per row). Autonomous operation is possible due to the machine's own control system and the self-contained control cabinet.



How the BoxButler works

The box filled with the product is placed manually through the operator on the machine discharge conveyor. Then, the driven conveyor belt transports the full box to the unloading station. After positioning and gripping the inserted box, the robot unloads the products row by row and puts them in a diameter-related grouping belt. At the same time, a linear robot system with a spreading gripper transports the products to the downstream machine (conveyor or pin chain systems) synchronously and continuously. At the same time, the empty boxes are delivered to an outfeed roller table, where they will be taken away manually by the operator.

Filled boxes with products are being unloaded at a speed of up to 165 products per minute. The BoxButler unloads the products row by row onto a grouping belt.



Technical data

Infeed/Outfeed	According to customer specification
Weight	approx. 22,00 kg
V=max.	up to 165 products/minute depending on the box orientation and packing style
Ø range	19 - 60 mm
Product length	100 - 230 mm
Product style	Round and Oval
Box dimensions	Min: (L x W x H) 300mm x 300mm x 100mm Max: (L x W x H) 630mm x 630mm x 230mm Portrait or landscape
Plastic bag possible	Yes
Operating panel	Touch Screen in front door
Pneumatic	Festo 9 m3/h at 6 bar
Electric	Standard 3 x 400 V ± 5% 50 - 60 Hz TN-S