

LabKab

Fully automated bag emptying system



Labotek
Power in Plastics

LabKab

Introduction

Laboteks LabKab machines are built with the latest technology in automatism for the discharge of materials retained in bags/sacks piled up in pallets. A full pallet with bags/sacks of 25 kg each is placed in front of the machine which by means of a movable trolley, grabs the bags/sack and intermediately discharges its content completely. The effectiveness is of 99.9%.

The LabKab machines are controlled by a PLC and operated through an intuitive and easy handling 7 inches touch screen. The system has first class moto reducer gear, optical and inductive sensors. It also counts with a security barrier and emergency stop. The trolley that grabs the bags/sacks consists of 8 shafts of hooks. The cutting system possess a shaft with stainless steel cutting discs which have a template process.

LabKab ABI - semi automatic

The semi automatic opening bags machine counts with a simple functioning that allows a trustworthy and safe opening of sacks, with no material lost and a minimum of effort. At one end it has an in-feed conveyor for the manual loading of bags. Furthermore, it allows the application of a dust extractor on its upper part.

- Low maintenance and reduction of costs and raw material.
- Ideal for pellets, dust and food granulates.



LabKab ABI

LabKab 6 and 12 - full automatic

Fully automatic machines for the opening and emptying of bags/sacks in containers or silos. Allows an increase in speed in material's discharge process with no need of specialized operators. The automation is executed with festo pneumatic technology.

- Materials to discharge: Pellets, grains, dust and others.
- Compatible with bags/sacks of plastic, jute and knitted polypropylene.
- Low energy consumption, reduction of raw materials and maintenance costs.

LabKab 12 empties a full pallet with 11 layers of bags (55 bags) in 7 minutes. It's feeding, as well as the removal of the empty pallet, are carried out by means of a fork-lift. The rest of the operations involve no human intervention.

LabKab 12



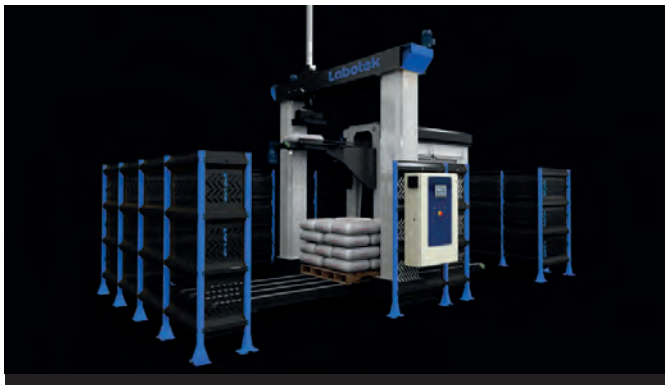
Technical Data

Type	LabKab Semi	LabKab T6	LabKab T12	LabKab ABI	LabKab KAB
W x H x L mm	1270 x 2450 x 4550	2300 x 3500 x 6035	2300 x 3535 x 6135	-	-
Discharge capacity	5 tons / h	6 tons / h	12 tons / h	6 tons / h	12 tons / h

Compatibility: It can incorporate a belt conveyor that feeds full pallets and another belt conveyor for the removal of empty pallets. Pallets can be discarded or piled up with another peripheral: The stacker. A compactor is another optional to consider for this unit.



LabKab 12



LabKab ABI with robot - fully automatic.
Capacity: 6 tons / h.



KAB Powder, fully automatic. Capacity: 12 tons / h.

Options

Empty bags compactor: A highly efficient and economic solution to compress empty bags to a hugely reduced volume.

W x H x L: 515 x 2830 x 2120 mm

Stacker: Takes empty pallets that are discarded by the LabKab 12T machine with no operator intervention.

W x H x L: 1030 x 2090 x 2700 mm

In belt conveyor: Modular system that allows the automation of the load of full pallets. Legs and adjustable rails/tracks for height and position.

Standard dimensions of 1840 mm width and variable lengths.





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