

principal-H

fully automatic high-level palletizer

up to
2400
 units
 per hour



- high speed
- sturdy construction
- high flexibility
- long lifetime



The high-performance high-level palletizer PRINCIPAL-H stacks up to 2400 bags or boxes per hour.

The fast high-level palletizer is equipped with an empty pallet magazine and a full pallet removal station. The system has a pallet magazine with a high capacity in order to ensure a continuous and interruption-free operation. The pallets stacked in the magazine are automatically separated and prepared for palletizing.

Options:

- application systems for anti-slip adhesive
- full pallet cover sheet dispenser
- multiple empty pallet magazine
- loadplates with air nozzles
- additional service platform
- top layer pressing device
- ascending press belt
- slip sheet dispenser



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A bag pressing belt at the start ensures that the bags are "in shape" for stacking. Flexible layer patterns are made possible by a servomotor-operated overhead rotating device, which rotates the bags into the desired position.

In this way, the bags can be positioned so that the bag seams face inwards or barcodes can be read from the outside. A clean layer pattern is guaranteed by the synchronous belts

of the layer pusher, which allows for the exact positioning of the bags or boxes, and the motor-driven front and side pushers, which ensure a stable and right-angled layer.

The prepared layers are positioned on the pallet in the pallet lift by means of the layer forming plate. The pallet is then pressed against the layer forming plate. This layer pressing increases the stability of the pallet.



Technical data

Capacity	up to 2400 units/hour*
Unit weight	5 - 80 kg
Unit dimension	max. 1000 x 600 mm (L x W)
Pallet dimension	1500 x 1200 mm (L x W)
Pallet height	max. 2500 mm (incl. pallet)
Pallet weight	max. 2100 kg (incl. pallet)
Number of layers	up to 16 layers
Turning device	Over head turner
Air pressure	6 bar, constant, dry and oil free
Air consumption	~25 Nm ³ /h
Power supply	3 x 380 - 480 VAC, 50/60 Hz, PE
Power consumption	~20 kW

* depending on bag size, bag weight and pallet height