

principal-P

high-performance portal palletizer

up to
1100
 units
 per hour



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



The portal palletizer combines and utilizes the advantages of the traditional high-level palletizer and the robot palletizer. The PRINCIPAL-P, a high-performance portal palletizer, combines the high speed of the PRINCIPAL with a grab, which is tailored to the respective application, such as a combined grab for palletizing bags and boxes.

The big advantage of the PRINCIPAL-P is that it does not push bags, but rather places them so that they can be palletized in an overlapping fashion. This guarantees the maximum stability of the pallet. In addition, the bags are pressed from all four sides to achieve a clean layer pattern.

Options:

- application systems for anti-slip adhesive
- full pallet cover sheet dispenser
- multiple empty pallet magazine
- additional service platform
- ascending press belt
- slip sheet dispenser



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Boxes are also lifted, placed and the layer is then shaped. When arranging the bags or boxes, it is ensured that the bags or cardboard boxes are brought into the desired position, e.g. barcodes can be read from the outside. The prepared layers are placed on the pallet in the pallet lift. The pallet is then pressed against the layer forming plate. This layer pressing also increases the stability of the pallet.

Pallet patterns and layer patterns can be adapted to meet customer expectations and can easily be selected via a touchscreen.

Additional options make it possible to perfectly match the PRINCIPAL-P to customer requirements.



Technical data

Capacity	up to 1100 units/hour*
Unit weight	10 - 50 kg
Unit dimension	330 - 580 mm x 500 - 1000 mm x 80 - 200 mm
Pallet dimension	800 - 1200 mm x 1000 - 1500 mm
Pallet height	max. 2400 mm (incl. pallet)
Pallet weight	max. 1500 kg (incl. pallet)
Number of layers	up to 20 layers
Air pressure	6 bar, constant, dry and oil free
Air consumption	~12 Nm ³
Power supply	3 x 380 - 480 VAC, 50/60 Hz, PE
Power consumption	~26 kW

* depending on bag size, bag weight and pallet height