



STATEC BINDER

highly efficient bagging and palletizing solutions

principal

High-speed high-level palletizer



- ✓ Fully automatic palletizing system
- ✓ Reliable and proven concept
- ✓ Sturdy and compact design
- ✓ Motor driven movements
- ✓ High energy efficiency
- ✓ Stable stacking quality
- ✓ High flexibility
- ✓ CE certified



The PRINCIPAL high-level bag palletizer forms layers of bags which are fed into the unit by a belt conveyor and loads the layers on top of the pallet which is lifted by an elevator. After a pre-set number of layers is reached, the pallet is lowered and automatically transported away by a roller conveyor.

In order to facilitate an ideal and flexible layer formation, bags can be turned into a pre-defined position. This is executed by a servo motor driven overhead turning device. The bags can then be turned into an optimal position, so that stitching tabs

are positioned inwards, or barcodes can be read from the outside of the layer.

The individual bags are pushed from the layer forming belt onto the load plates by a so-called layer pusher. The synchronous-belt drive of the pusher allows the exact positioning of the bags. The motor-driven front and side pushers guarantee a stable, rectangular layer.

The completed layers are slipped off the load plates onto the pallet in the elevator. The pallet gets pressed against the load plates once they are

closed. This layer pressing maximises the stability of the pallet.

In order to ensure continuous, uninterrupted operation, the system has a high capacity pallet magazine. The empty pallets are loaded into the magazine and then processed automatically from that point on.

All system functions are continuously monitored and controlled by a SPS unit. Operations and program administration are carried out via touch screen. All moving parts are covered by protective mesh, rails and locked doors are equipped with safety switches.

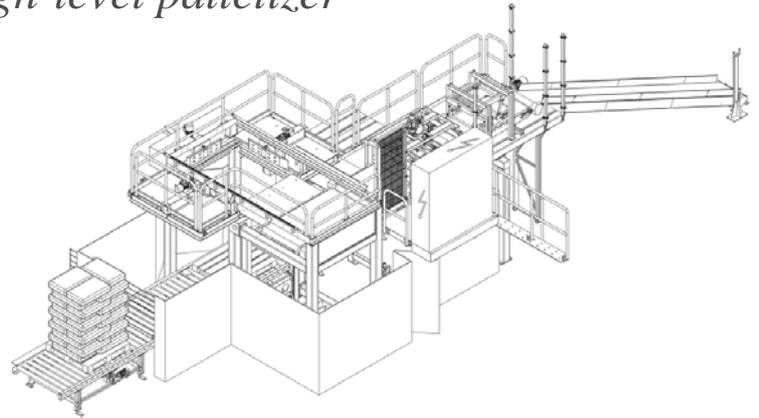


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Bags and boxes



Model:	principal
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
Power consumption:	~20 kW

* depending on bag size, bag weight and pallet height