

PALLETIZER P500

Description: The machine is used to stack bags of 15-50kg automatically onto a pallet at a maximum speed of 400-500 bags/hour, depending on the type of bag, the height of the pallet and the number of bags per layer.

Process: The closed bag is introduced horizontally in the palletizer and then lifted by an elevator. The gripper takes the bag at the top and stacks it on the pallet in the right position, predefined by a software.

Key advantages:

- **Quick return on investment**
- **Perfectly designed for low speed lines**
- **Low cost maintenance**
- **Easy to use**
- **Reduced space and volume**

Main components of the palletizer:

- Conveyor with square rolls:
to spread correctly the product in the bag and to bring it on the elevator
- Elevator:
to lift the bag at the right height
- Gripper:
to catch the bag, to direct it and to drop it on the pallet at the right place.
- Electrical box
- Motors
the palletizer contains 6 motors:
 - 1 motor for the conveyor with square rolls
 - 1 motor for the lift
 - 1 motor for the perimeter frame (up – down)
 - 1 motor for the translation of the gripper (front – back)
 - 1 motor for the bean supporting the gripper (left – right)
 - 1 motor for the gripper (rotation)
- Photocells:
to control the position of the bag
- Peripheral frame to guide the bags :
to prevent falls of bags and to get a correct palletization. This frame is manually adjustable to the size the pallet.
- The platform of the palletizer is 1600mm x 1600mm

- Size of the pallets: 1200 x 1600mm – 1200 x 1000mm – 1200 x 800mm
(Dimensions of the frame to guide the bags are manually adjusted)
- The maximum height of the pallet after loading: 3,4m (from the ground)
- 6 preprogrammed models of piling up are possible (standard)

Dimensions:

- Length: 3,685 m
- Width: 2,43 m (without electrical box) - 2,74 m (with electrical box)
- Weight: 1740 kg
- Height:
 - To work: 4,2 m maximum
 - For the fixed frame: 3,2 m

Optional:

- Entry of the bags: from left or from right
- Exit of full pallets: front or side (right or left)
- Bags flattener
- Photo cells to avoid any adjustment between bags of 25 and 50 kg
- Gripper for small bags
- Modem
- Automatic wrapper integrated into the palletizer
- Motorized rollers to bring the empty pallets and to evacuate the full pallets
(length on request)
- Possible storage for 1 or 2 full pallets, even more
- Depilor of empty pallets (with optional motorized rollers)

Other specifications:

Power:	3,8 kW
Electrics:	230 or 400 V – 3 ph – 50 Hz + ground 32A
Air:	0,6 MPa (dry, clean air)
Consumption:	Around 60 l/min

PALLETIZER P500 - 400 OR 500 BAGS/HOUR



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