

COMPLETE PALLETIZING SOLUTIONS



Sorter is the first and only company in Poland and Middle – East Europe producing complete sorting solutions for fruits and vegetables sector as well as technologically advanced packing and palletizing lines. The objective of the company is the continuous development of a technique making it possible to take the strain off human as regards the most difficult, repetitive activities, while increasing the product quality, guaranteeing the competitive prices to the final product recipient.





EXEMPLARY INSTALLATIONS



In spite of their short presence on the Polish market, installations with the Sorter logo, have become sought also on the markets abroad, since they not only combine quality with the easiness and safety of use, but also reflect the latest world standards and techniques of design.

Our offer includes installation's project according to the customers' specification, construction, implementation, assembly and service.

Advantages of our palletizing solutions:

- ▶ possibility of palletizing wide range of products according to the customers' needs
- ▶ comprehensive solutions of palletizing processes' automation
- ▶ high efficiency of the installed devices
- ▶ operator safety
- ▶ possibility of the adaptation in every branch of industry, where palettes are used as a multipack.

PALLETS DESTACKER

The device functions as a buffer for pallets and it is used for automatic infeed for palletizing line.

The machine stacks pallets of the "Europallet" type (800x1200x144), but it can be adjusted for other pallets sizes as well. Pallet type settings can be easily attained by means of a proper mechanical regulation. Pallets can be wooden or plastic. Manufacturer needs to be consulted if other pallet sizes are to be used.



TECHNICAL DETAILS

PURPOSE	pallets buffering
POWER SUPPLY	220 V
PRESSURE	6 bar
QUANTITY OF PALLETS IN A PILE	max. 18 pallets
EFFICIENCY	around 300 pallets per hour
PALLETS DIMENSIONS	minimum 800 x 1200 x 100 maximum 1200 x 1200 x 200

MULTIFORMAT BOX PALLETIZER

MB Palletizer is designed to palletize boxes by layers in accordance with the required size and format. The machine consists of a table, clamping mechanism and a system for regulating boxes stacking. The table is used for storing boxes, the format of which was selected in the control panel. The clamping mechanism stacks the boxes on the pallet once they have been arranged on the table.

The two arms of a clump streamline the stacking process. The height is adjusted depending on the height of chosen boxes.

TECHNICAL DETAILS

PURPOSE	palletizing
APPLICATION	cartons, plastic and wooden bins
POWER AND VOLTAGE	4 kW; 3 x 400V + N+ PE 50Hz
MACHINE'S DIMENSIONS	L 5020 mm, W 2246 mm, H 4038
EFFICIENCY	from 650 to 1000 items per hour
BOXES DIMENSIONS	300 x 50mm / 400 x 600mm / 300 x 400mm
MAXIMUM HEIGHT OF BOXES	480 mm
MAXIMUM WEIGHT OF ONE LAYER	150 kg



AUTOMATIC STRAPPIC MACHINE WITH THE CORNER PROTECTORS'APPLICATOR

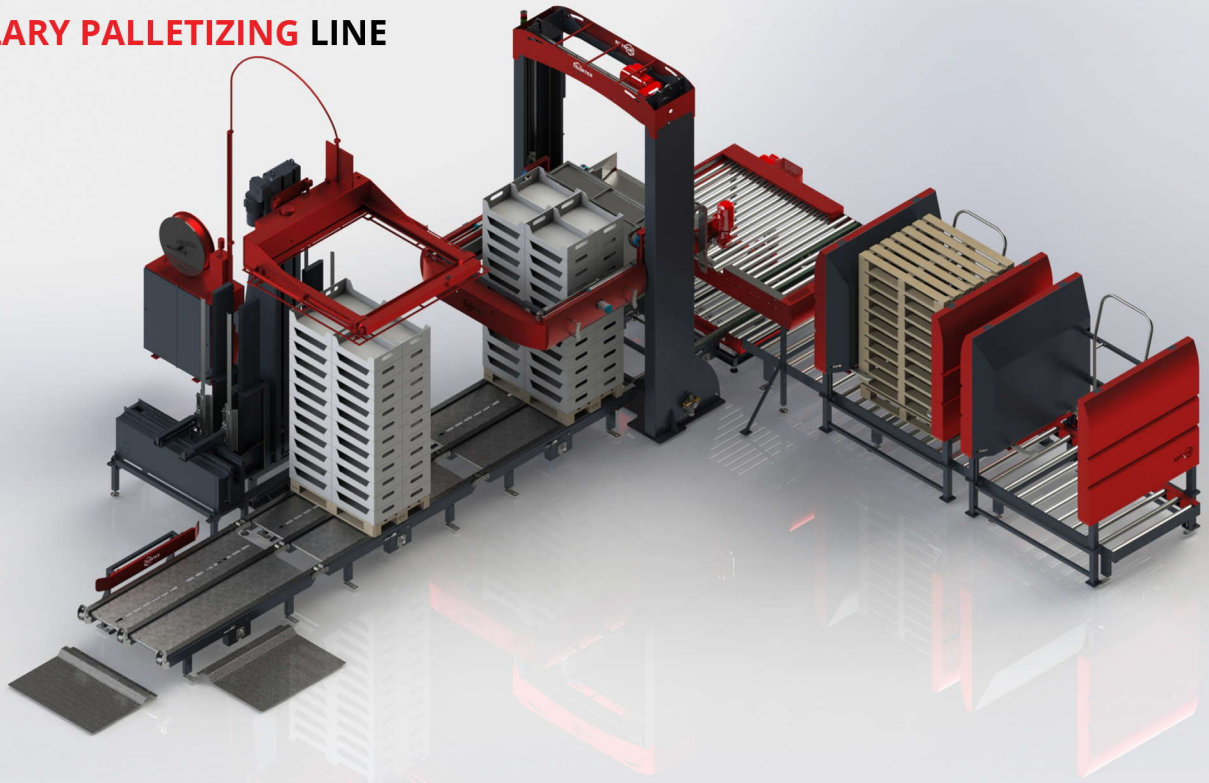
A horizontal machine for automatic application of straps and corners adjusted to be installed in a fully automated line.



TECHNICAL DETAILS

PURPOSE	automatic pallets strapping
APPLICATION	automatic strapping of stacked cartons
MIN/MAX WIDTH OF CORNERS	35 x 35 mm / 50 x 50 mm
POWER AND VOLTAGE	2 kW; 3 x 230 V / 400 V 50 Hz
MINIMUM AIR PRESSURE	4,5 bar
MINIMUM AIR PRESSURE	8 - 12 - 15,5 mm
MIN. HEIGHT OF APPLIED CORNERS	130 mm
PALLETS PROTECTION DIMENSION	800 x 1200 mm to 1000 x 1200mm
PALLET STRAPPING TIME	51 seconds (3 stripes and 4 corners)
EFFICIENCY	40 pallets / hour

EXEMPLARY PALLETIZING LINE



THE LINE CONSISTS OF:

- Rotary conveyor of palletizer (OBP type)
- Palletizer with roller conveyor (PTZ - 08 type, width 800)
- Pallets destacker (DSP - 08 type, width 800 x 1200)
- Roller conveyors (L=2200 mm B = 1000 mm)
- Safety protection barriers L=12 m
- Automatic strapping machine with the corner protectors' applicator
- A set of mute signalling photocells
- Forklift guard rail system

TECHNICAL DETAILS

EFFICIENCY	max. 600 packages / hour
SPEED OF CONVEYOR	0,5 m / s
POWER	5kW
POWER SUPPLY	3x400V AC
AIR PRESSURE	min. 6 bar
AIR USAGE	350 NI / min

EXAMPLES OF POSSIBLE LAYER PATTERN




POSSIBLE CASES



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