

PALLET DEPOT

Easy saving of time and space

The pallet depots are used to transport elements placed on pallets. They are used for automatic stacking of empty pallets and their individual releasing in accordance with the line needs. The pallet depots have been manufactured in compliance with the latest technology and approved safety rules. The devices are offered in various manufacturing options, according to the specific needs of the Customer



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EUROPA SYSTEMS®

PRODUCER OF INTERNAL TRANSPORT EQUIPMENT

APPLICATION:

Pallet depot allows for storing high stacks of pallets and has two modes of operation:

- collecting pallets from a line and releasing the collected stack,
- collecting a stack of pallets and releasing them individually onto a line.

Due to its function and design, the device significantly improves the efficiency and safety of work on a production line or in a warehouse.



ADVANTAGES:

- pallets can be loaded using a pallet truck or a forklift truck, or automatically collected from a line,
- the depot can be installed on the production line,
- manual or automatic mode of operation
- an option to increase the height of pallet stacks by mounting additional modules,
- it is possible to adjust the width of the depot to store different types of pallets due to movable side walls equipped with a two-position bumper.

AUTOMATIC AND MANUAL OPERATION OF THE PALLET DEPOT

The basic element of operating the pallet depot is the operating keyboard. The pallet depot has two modes of operation:

- manual (MAN), in this mode singular movements can be performed (lifting, lowering, opening and closing of the gripper)
- automatic (AUT), this mode allows for fully automatic collecting or releasing of individual pallets.



PNEUMATIC UNIT

The operation of grippers collecting and releasing pallets is performed by means of pneumatic actuators. The working cycle is made of two basic movements: vertical movement and pallet gripping / releasing movement. They depend upon the sensors placed on the actuators. The actuator stops in three positions:



Item 1



Item 2



Item 3



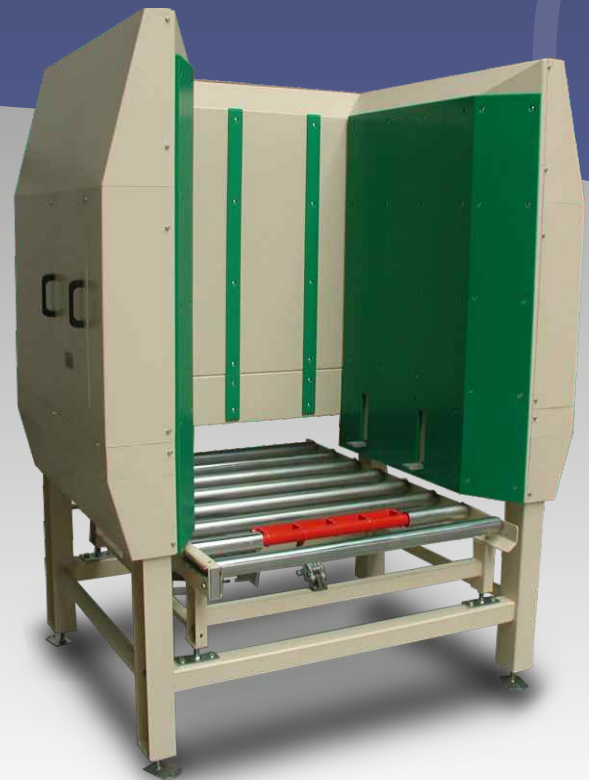
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DESCRIPTION OF THE DEVICE

The pallet depot consists of the following elements:

- a rigid support structure made of closed rectangular hollow sections with supports,
- moving grippers,
- pneumatically driven mechanism,
- adjustable feet,
- pallet depot bumpers,
- two-position bumpers.



Technical Data:

Dimensions	1520x1530x2430 mm
Pallet dimensions	1200x800x150 mm
Load capacity	500 kg.
Number of pallets	15 pcs.
Controller	Siemens S7/200
Power supply	230/50 V/Hz
Air consumption	approx 34/75 litres per cycle at 6-8 bar
Pneumatic system	Festo
Additional equipment	none
Conveyor finish	structure made of RAL 7040 or 5010 powder-coated simple steel



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Driven roller conveyors



Belt conveyors



Chain conveyors



Strip conveyors



Automatic transport systems



Transporting rollers