SCANLOX
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PALOMAT AGV Datasheet

Find comprehensive details and specifications of the PALOMAT AGV in the booklet.

www.scanlox.com

PALOMAT AGV
Pallet Magazin

AGV Interface

Completely Automatic

Plug & Play Installation

Handles All 4-way Pallets

CE approved

The PALOMAT AGV Pallet Magazine enables fully automated stacking and destacing of empty pallets at floor level. It integrates seamlessly with AMRs and AGVs, ensuring efficient pallet flow in production, packaing, and warehouse environments.

With a built-in interface and preinstalled software, the system allows autonomous communication and signal exchange between the pallet magazin and mobile robots. Compatible with all 4-way pallets in wood, plastic, or metal, and adaptable to specific pallet dimensions.

Models

Article no.	Machine Dimensions L x W xH	Pallet Size L x W x H	Lifting Capacity	No. of Pallets
152021*	**1520x1340x2350 mm**	**1200x800x144 mm**	**500 kg**	**15**
152022*	**1520x1540x2350 mm**	**1200x1000x150 mm**	**500 kg**	**15**

Details

Standard colours:
RAL 3002 red,
RAL 5002 blue
RAL 7032 grey
RAL 7035 grey

Control:
Siemens S7-1200

Actuator:
Linak

AGV Interface

Output from the AGV [persistent indication]

> Signal for empty magazine (destacking)
> Signal that new pallet is ready to be retrived (destacking)
> Signal for full magazin (stacking)
> Signal that the magazine for a new pallet (stacking)
> Error/breakdown signal

Input from AGV to the AGV [pulse 3-4 sec.]

> Signal to choose Destacking
> Signal to choose Stacking
> Signal to choose Emptying

Electrical Specifications

Digital outputs relay [potential-free]

Rated value (DC)   5V DV to 30V DC
Rated value (AC)   5V AC to 250V AC

Digital outputs relay [potential-free]

Rated value (DC)   24V DC

Facts

Drive force   220-240VAC 50 Hz 1P+N+NP
Power consumption (standby)   23 W
Power consumption (operation)   550 W (at a maximum load of 500 kg)
Noise level   70db(A)

The AGV is equipped with sensitive sensors, cables, and hoses.
Do not use water jets or hose the unit down, wipe it with a damp cloth instead.

Examples of workflows

The PALOMAT® can be used manually and with AGVs at the same time

Multiple AGVs can communicate with the same PALOMAT®