

# PALOMAT® AGV

## Two-way communication with automated guided vehicles



Automated guided vehicles (AGVs) and the PALOMAT® AGV pallet magazine are a perfect pair when it comes to fully automating and streamlining the flow of pallets. PALOMAT® AGV is an ergonomic aid, which stacks and destacks empty pallets individually at floor level, fully automatically.

The PALOMAT® is delivered with an interface for external equipment, which makes it possible to exchange signals between the PALOMAT® and AGV. Thus the two can

communicate independently and maintain a constant and effective flow of pallets to and from the production line.

PALOMAT® AGV ensures uniform docking and thus optimises the workflow of the AGV. The PALOMAT® is always ready to either deliver (destack) a pallet or take (stack) a pallet from the AGV at a uniform floor level. If the PALOMAT® is empty or full, it signals the AGV, which will automatically ensure that the PALOMAT® is filled or emptied.



### Your benefits with PALOMAT® AGV

- › Delivered with the AGV Interface with 24VDC I/O signals
- › Ensures a uniform docking
- › Delivered with software
- › Is offered as a 100% electric version
- › Easy installation
- › Can Communicate with all kinds of driverless forklift trucks
- › Delivered with complete documentation in your customers' languages
- › Customer

## AGV Interface

### Output from PALOMAT® to AGV [persistent indication]

- › Signal for empty magazine (destacking)
- › Signal that new pallet is ready to be retrieved (destacking)
- › Signal for full magazine (stacking)
- › Signal that the magazine is ready for a new pallet (stacking)
- › Error/breakdown signal.

### Input from AGV to PALOMAT® [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



Models				
Article no.	Machine dimensions L x W x H (mm)	Pallet size L x W x H (mm)	Lifting capacity (kg)	No. of pallets
152021*	1520x1340x2350	1200x800x1544	500	15
152022*	1520x1540x2350	1200x1000x150	500	15

\* Hardware and software prepared

Control: Siemens S7-1200  
 Actuator: Linak

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

You can read more about PALOMAT® 5, options, technical data etc. on [www.palomat.com](http://www.palomat.com)

