

PALOMAT[®] AGV

The perfect match for 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 indepen-

dently 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 drawings to use in your own layout (step/dwg)

AGV INTERFACE

OUTPUT FROM PALOMAT[®] TO AGV [PERSISTENT INDICATION]

- Signal for empty magazine (destacking)
- Signal that a 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 2A: [POTENTIAL-FREE]

Rated value (DC):..... 5V DC to 30V DC
 Rated value (AC):..... 5V AC to 250V AC

DIGITAL INPUT: [POTENTIAL-FREE]

Rated value (DC):..... 24V DC



Models for PALOMAT[®] AGV

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
 Pneumatics: SMC

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

