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

AC operated *Made in Denmark*

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

You can read more about PALOMAT® AGV, options, technical data etc. on **www.palomat.com**

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