

PALOMAT® AGV

The perfect add-on for automated guided vehicles



The PALOMAT® is delivered with an interface for external equipment, which makes it possible to exchange signals between the PALOMAT® and AGV. This enables them to communicate independently while maintaining a consistent and efficient pallet flow.

The PALOMAT® is always ready to either deliver (destack) a pallet to or take (stack) a pallet from the AGV at floor level. If the PALOMAT® is empty or full, it signals the AGV - before any further action is taken - which will automatically ensure that the PALOMAT® is refilled or emptied.

The PALOMAT® can handle all 4-way pallets in wood, plastic, and metal.

With **the teach program**, you can adjust the gripper positions (< 300 mm), allowing the PALOMAT® to switch between different pallet heights.

The web browser function gives you access to data on operation, cycles, signal status and fault history - for faster troubleshooting and better insight into how the PALOMAT® is utilised.



Your benefits with PALOMAT® AGV

- › Communicates with all brands of automated guided vehicles
- › Ensures uniform docking thereby optimising the work-flow of automated guided vehicles
- › OPC UA communication
- › Ethernet/LAN port on the back
- › "Plug and play" solution

Interface

Output from PALOMAT® to automated guided vehicles [persistent indication]

- › Signal that the PALOMAT® is ready for a stack of pallets (destacking)
- › Signal that a new pallet is ready to be retrieved (destacking)
- › Signal that the PALOMAT® is ready with a stack of pallets (stacking)
- › Signal that the PALOMAT® is ready for a new pallet (stacking)
- › Error/breakdown signal

Input from automated guided vehicles to PALOMAT® [pulse 3-4 sec.]

- › Signal to choose Destacking
- › Signal to choose Stacking
- › Signal to choose Emptying
- › Signal that the AGV is inside the PALOMAT®



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*	1485x1350x2372*	1200x800x144	500	15
152022*	1485x1550x2372*	1200x1000x150	500	15

* Incl. safety frame for 15 pallets + hardware and software prepared

Technical		
Power source	Full load current (FLC)	Max. consumption during operation
220-240V AC, 50 Hz	2.5 A (max. load)	550 W
220-240V AC, 50 Hz	2.5 A (max. load)	550 W

Control: Siemens S7-1200
Light curtain and sensors: SICK
Actuator: Linak

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

Protection class: IP56
Temperature: +5 - +35°C