

PALOMAT[®] AGV

Completely automatic Pallet Flow
Plug and Play Installation
For all Brands of AGVs





Streamline your internal logistics

Take your pallet handling to the next level, with the perfect add-on for all brands of driverless forklift trucks, the pallet magazine PALOMAT® AGV - together, they pair perfectly to completely automate and streamline your internal logistics while improving your productivity.

The PALOMAT® AGV is delivered with an interface for external equipment and a preinstalled program, which makes it possible to exchange signals between the pallet magazine and all brands of driverless forklift trucks. The interface allows them to communicate independently, maintain a completely automatic and efficient pallet flow to and from e.g. production lines, warehouses or packaging departments.

PALOMAT® AGV automatically stacks and destacks single empty pallets or a full stack at floor level. When the PALOMAT® is empty or full, it will automatically signal the driverless forklift truck which ensures that the pallet magazine will be filled or emptied. It also ensures uniform docking and thus optimises the entire workflow of the driverless forklift truck.

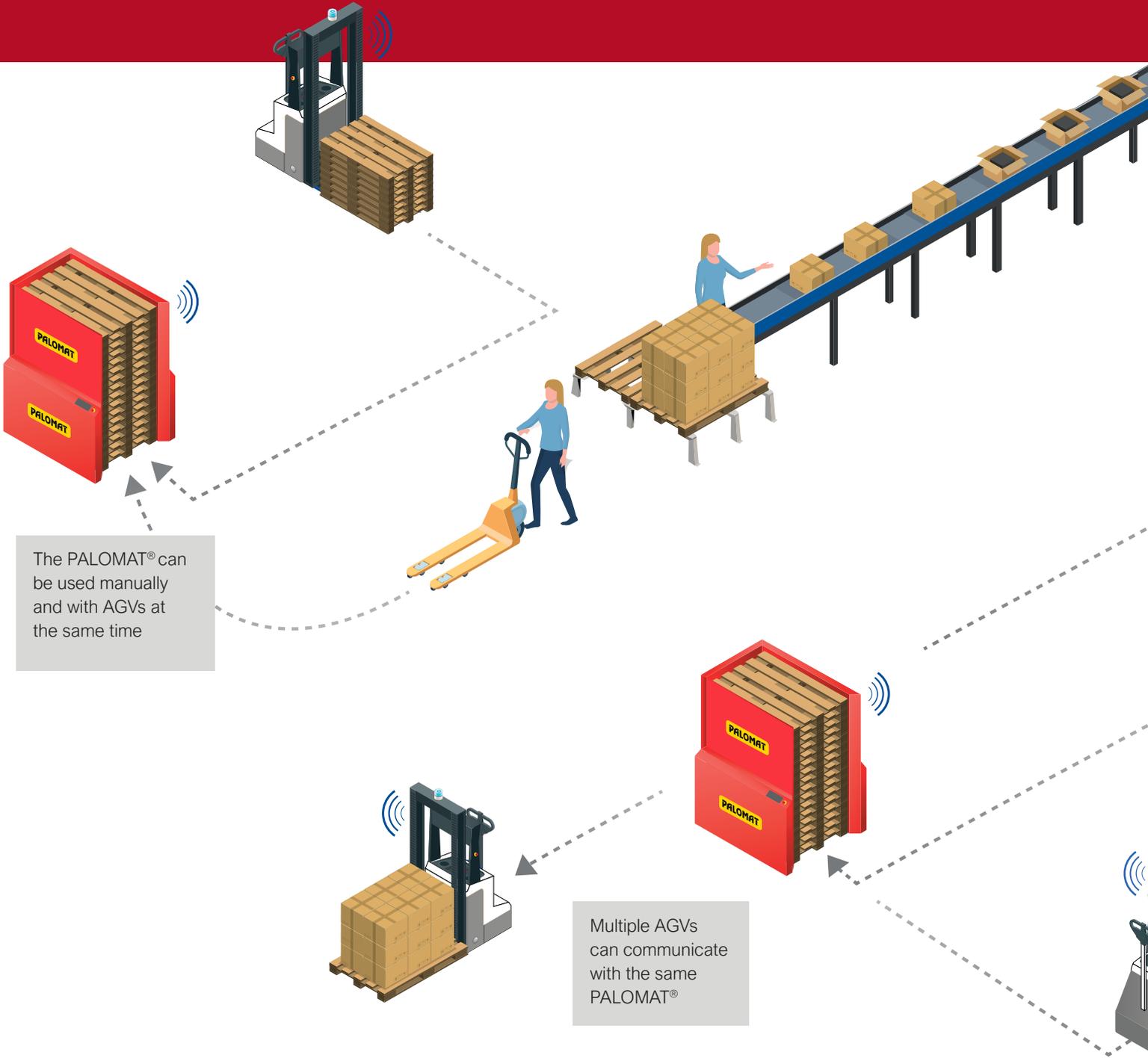
Why choose the PALOMAT® AGV?

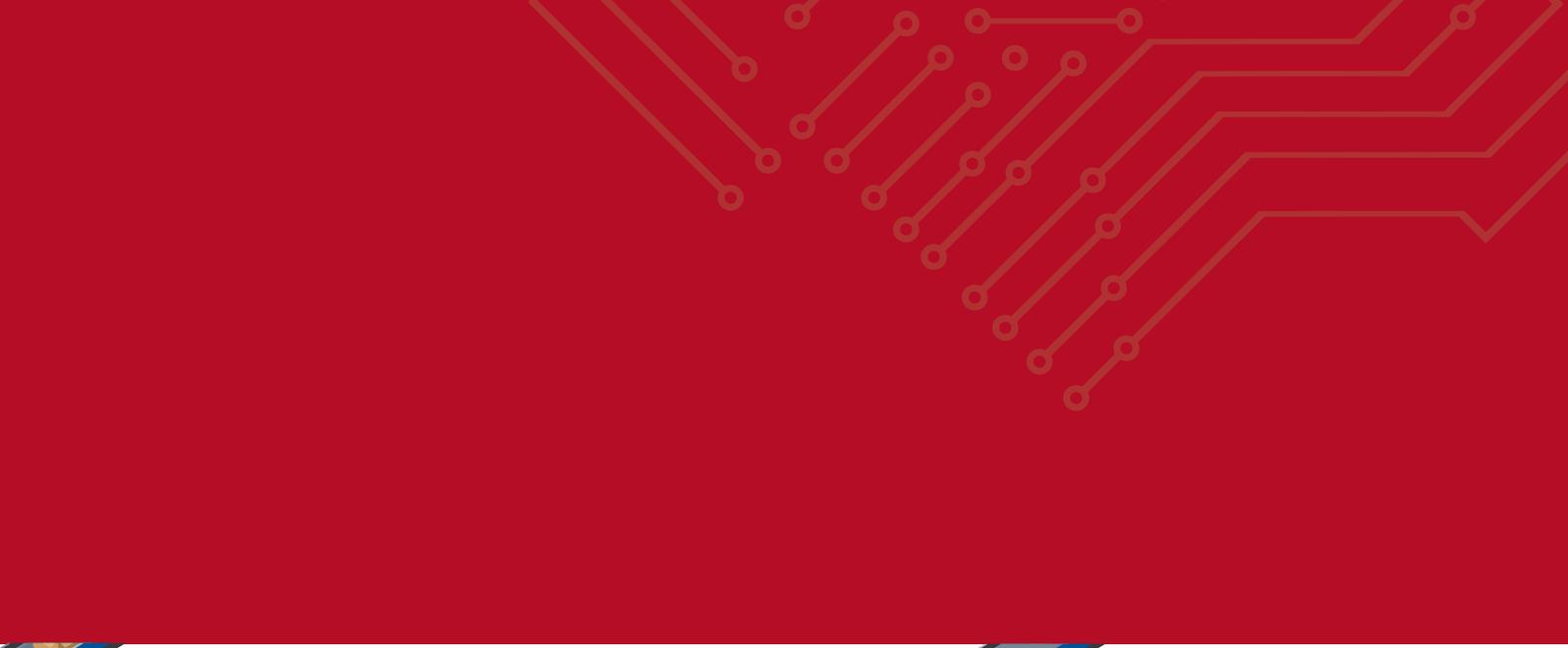
- › Communicates intelligently with all brands of driverless forklift trucks
- › Delivered with a interface including OPC UA signals for external equipment
- › Completely automatic and efficient pallet flow – stacks and destacks at floor level
- › Plug and play installation - preinstalled program with all necessary signals
- › Pallet handling with both hand pallet trucks + driverless forklift trucks
- › 100 % electrically powered (230V plug)
- › Handles all 4-way pallets in wood, plastic, and metal

Partner up with the PALOMAT® AGV and take your automatic pallet flow to the next level

Examples of workflows

The PALOMAT® AGV functions as a natural part of any production, warehouse, packaging facility etc. – inbound as well as outbound. In cooperation with a single or multiple driverless forklift trucks, it streamlines the pallet flow, boosts productivity and improves work environment - making logistics even better and smarter.





Consistent pallet flow to and from fully automated production lines.



Your partner for palletisation

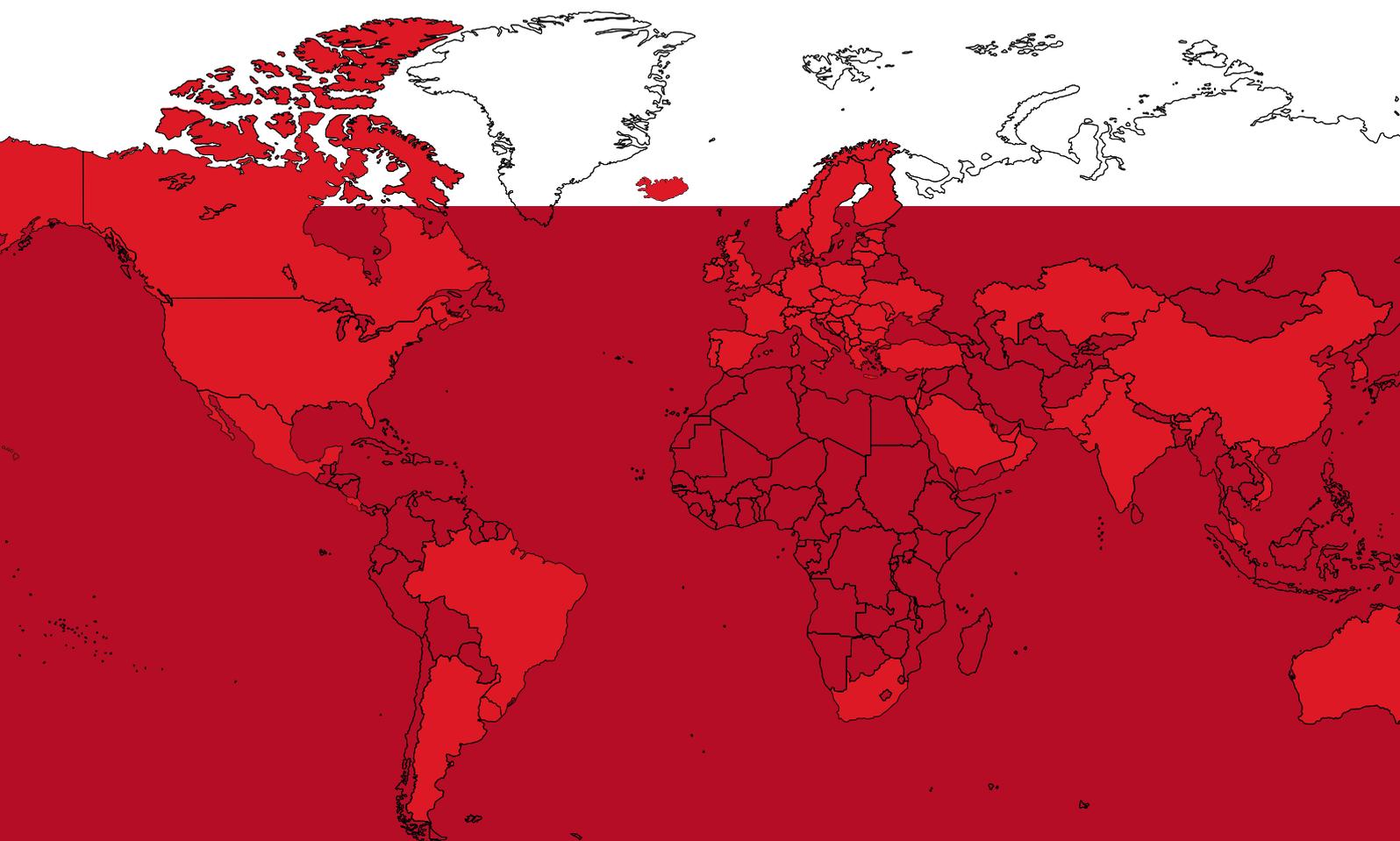
Since 1992, PALOMAT® has been the world's leading manufacturer of pallet magazines, and we strive to be first movers within the development of efficient and safe pallet handling with "no manual pallet handling" as our mission.

We place great emphasis on being an innovative manufacturer via continuous product development. Safety in the use of products is of high priority to us. All our pallet magazines comply with the applicable Machinery Directive, which is your guarantee for palletising solutions manufactured in compliance with the demands for health, safety and the environment.

Providing a strong Danish product of high quality has made us the preferred supplier for many national and international companies. Over 20,000 pallet magazines have already been produced and delivered worldwide.

All development, construction and production take place in Denmark, with a high focus on innovation and continuous product development to meet market demands for ergonomics and optimised efficiency.

As a division of BILA A/S, Scandinavia's leading automation partner, we benefit from our global network of dealers and machine manufacturers, ensuring seamless collaboration and support worldwide.



Power rating:	220-240VAC 50 Hz 1P+N+PE
Actuators:	Linak
Light curtain and sensors:	SICK
Control:	Siemens S7-1200
Software:	Inclusive
Interface:	OPC UA for external equipment
Capacity:	15 pallets/ 500 kg

All models include an interface with OPC UA signals for external equipment, which makes it possible to exchange signals between the PALOMAT® and AGV:

Interface

Output from PALOMAT® to automated guided vehicle: [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 vehicle to PALOMAT®: [Pulse 3-4 sec.]

- › Signal to choose Destacking
- › Signal to choose Stacking
- › Signal to choose Emptying
- › Signal that the automated guided vehicle is inside the PALOMAT®

Electrical specifications

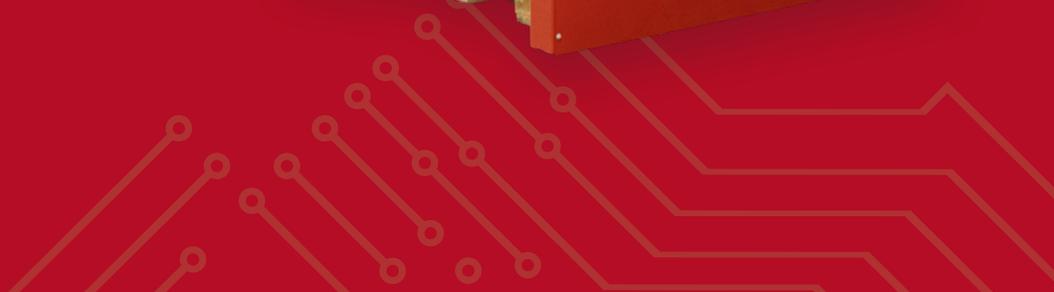
Digital outputs Relay 2A: [Potential-free]

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





PALOMAT® | Industrivej 10 | DK-7900 Nykøbing Mors | +45 96 69 47 10 | info@palomat.com | www.palomat.com



STREAMLINING YOUR BUSINESS



Powered by BILA