



SCANLOX

SCANDINAVIAN LOGISTICS

PALOMAT AGV

Data Sheet



Pallet Magazin

Key Points

AGV Interface
Completely Automatic
Plug & Play Installation
Handles All 4-way Pallet
CE approved



Oplev teknologien i egen drift

The PALOMAT AGV Pallet Magazine enables fully automated stacking and destacking of empty pallets at floor level. It integrates seamlessly with AMRs and AGVs, ensuring efficient pallet flow in production, packing, and warehouse environments.

With a built-in interface and preinstalled software, the system allows autonomous communication and signal exchange between the pallet magazine and mobile robots.

Compatible with all 4-way pallets in wood, plastic, or metal, and adaptable to specific pallet dimensions.

Intelligent Communication and Integration

To ensure stable and reliable operation, the pallet magazine is equipped with a dedicated interface and pre-installed software. Through a 24VDC I/O signal interface, simple and efficient communication with AMR and AGV systems is enabled.

This intelligent integration ensures precise docking between the pallet magazine and the robots, creating a smooth workflow while reducing the need for manual intervention.

By combining the pallet magazine with mobile robots such as AMRs and AGVs, companies gain a complete solution that strengthens automation and adds value to production operations. The interaction between the pallet magazine and the robots ensures that empty pallets are handled efficiently and safely, allowing employees to focus on higher-value tasks.

Specifications

Models

Article no.	152021*	152022*
Machine Dimensions L x W x H	1520x1340x2350 mm	1520x1540x2350 mm
Pallet Size L x W x H	1200x800x144 mm	1200x1000x150 mm
Lifting Capacity	500 kg	500 kg
No. of Pallets	15	15

Details

Standard Colours RAL 3002 red, RAL 5002 blue, RAL 7032 grey, RAL 7035 grey

Control Siemens S7-1200

Actuator Linak

AGV Interface

Output from the AGV [persistent indication]

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

Input from AGV to the AGV [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
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Rated Value (AC)	5V AC to 250V AC
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Digital inputs relay [Potential-free]

Rated Value (DC)	24V DC
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Facts

Drive Force	220-240VAC 50 Hz 1P+N+NP
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Power Consumption (Standby)	23 W
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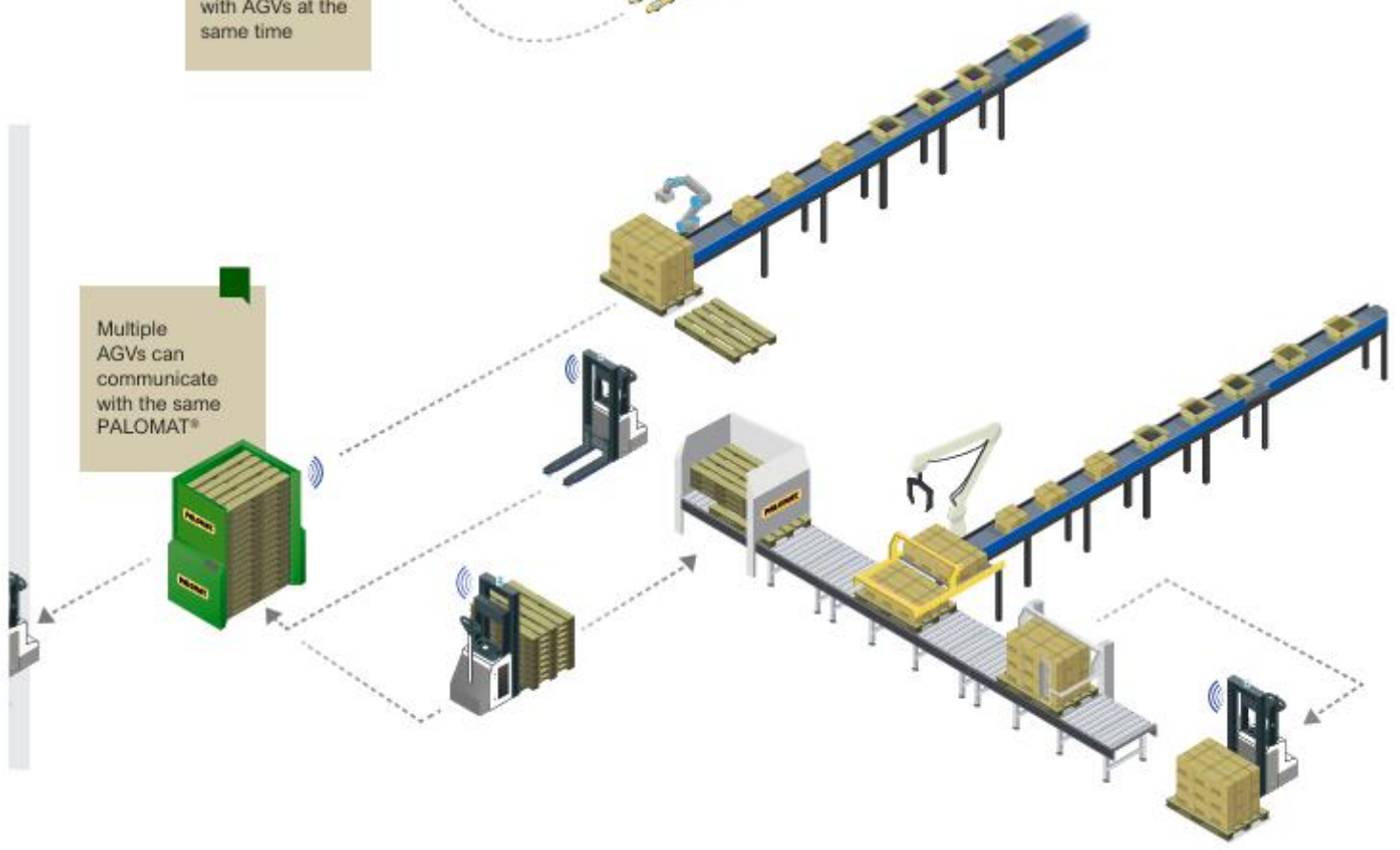
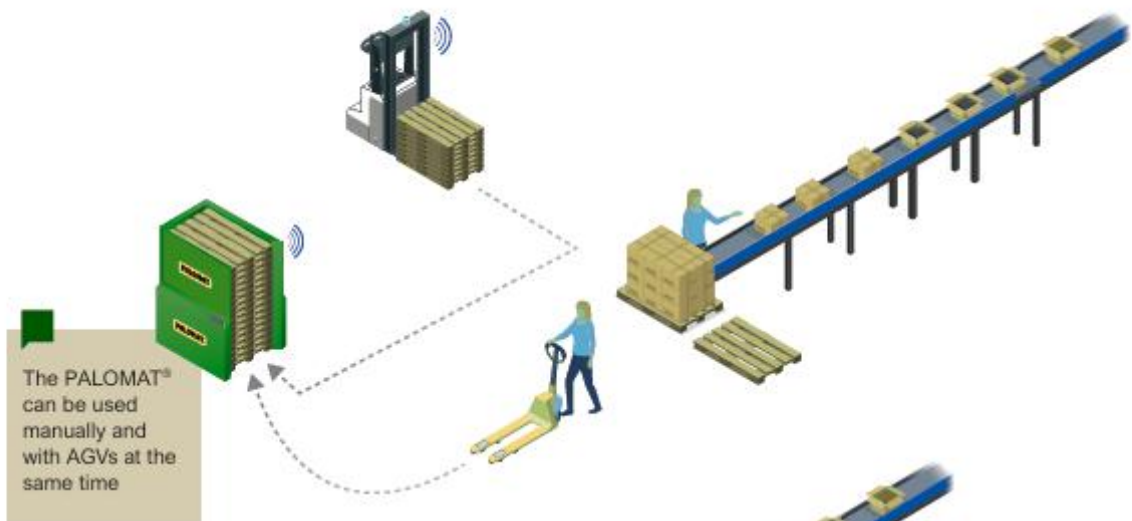
Power Consumption (Operation)	550 W (at a maximum load of 500 kg)
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Noise Level	70db(A)
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The AGV is equipped with sensitive sensors, cables, and hoses.

Do not use water jets or hose the unit down, wipe it with a damp cloth instead.

Examples of workflows





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