

UK

THE FUTURE OF EFFICIENT AUTOMATED PALLET HANDLING

**PALOMAT® AMR - THE PALLET MAGAZINE
THAT MAKES LOGISTICS EVEN BETTER**



STREAMLINING YOUR BUSINESS



POWERED BY BILA

INCREASE YOUR EFFICIENCY

INTERNAL LOGISTICS OF THE FUTURE



THE GROUND-BREAKING SOLUTION FOR AUTOMATED PALLET HANDLING

The world is calling for high-tech solutions, involving simple work tasks to be streamlined and automated. The ground-breaking cooperation between the PALOMAT® pallet magazine and Autonomous Mobile Robots (AMRs), lift the workflow of internal logistics to an even higher level. With a partnership so strong and flexible, you are guaranteed a step closer to the future of automated pallet handling.

By communicating independently, the PALOMAT® and AMR re-think your infrastructure by releasing manpower previously spent on manually loading the AMR. The pallet magazine automatically stacks and destacks pallets onto an AMR, functioning as a pallet buffer and docking station, and thus maintaining a consistent pallet flow inside any company.

Every work task performed is communicated via a signal exchange between the PALOMAT® and AMR. This partnership forms the future-proofed pallet magazine, PALOMAT® AMR.

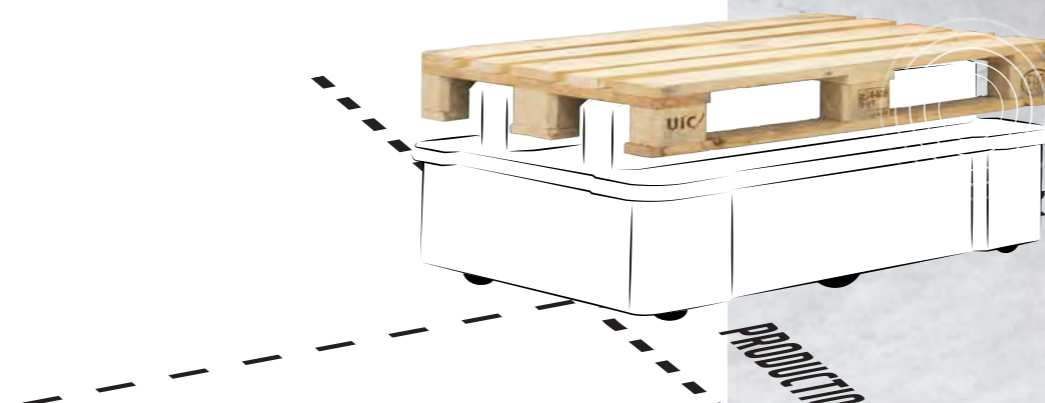
PALOMAT® AMR optimises the AMR's workflow and improves internal logistics by eliminating time spent on manual pallet handling. This releases time from monotonous tasks, enabling you to focus your skills on high-valued work tasks.

**FUTURE-PROOF YOUR PRODUCTIVITY, SUPPLY CHAIN,
COMPETITIVENESS AND **BOTTOM LINE**
WITH PALOMAT® AMR TODAY!**



SAVE TIME AND MONEY - THE PERFECT PARTNERSHIP

- Time saving and releases manpower for more valuable tasks
- Improving the workflow of an AMR by automating pallet handling
- Correct and uniform stacking/destacking on the AMR and a fully automated pallet buffer and docking station
- Streamlined internal logistics and supply chain with an efficient pallet flow
- Improved work environment by utilising safe cooperation with people and other machines
- No more manual pallet handling
- Easy installation and 100 % electrically powered from a 230V plug
- Easily connected with an AMR and prepared to communicate with the interface
- Technical hotline support, 24/7 – 365
- The PALOMAT® AMR is build on more than 25 years' experience within the development, construction and production of pallet magazines – your guarantee for expert advice and reliable solutions.





1

LIGHT CURTAIN
Heightened safety minimising any danger of clamping.



2

WHEELS
For adjusted placement and stabilisation of pallets.



3

MAXIMUM INDICATOR
A Sick-sensor indicating when a pallet stack automatically should be destacked onto the floor.



4

INTERFACE
Ensuring a two-way communication between the pallet magazine and AMR.



A THOUGHT-OUT PARTNERSHIP

To ensure a safe and uniform stacking and destacking on the AMR, PALOMAT® AMR is modified with a bottom frame and wheels on the side plate, securing adjusted placement and stabilisation.

For a consistent pallet flow, PALOMAT® AMR automatically informs the AMR when to empty the pallet magazine, by means of the installed maximum indicator for 15 pallets. For improved safety, the pallet magazine is installed with a light curtain on each side.

The PALOMAT® AMR comes with software – a complete programme in the PLC, communicating with the interface. Thus being prepared to communicate with the AMR.

To support a simple installation, the PALOMAT® AMR is 100% electrically driven – only a 230V plug is needed – making it easy to change location of the pallet magazine if the workflow changes. It is easily done with a hand pallet truck or forklift truck.

WORLDWIDE DEALER NETWORK

We have a strong international dealer network with dealers in more than 20 countries worldwide, where each dealer is affiliated to one Sales Coordinator. Our dedicated team takes pride in training our dealers in our products.

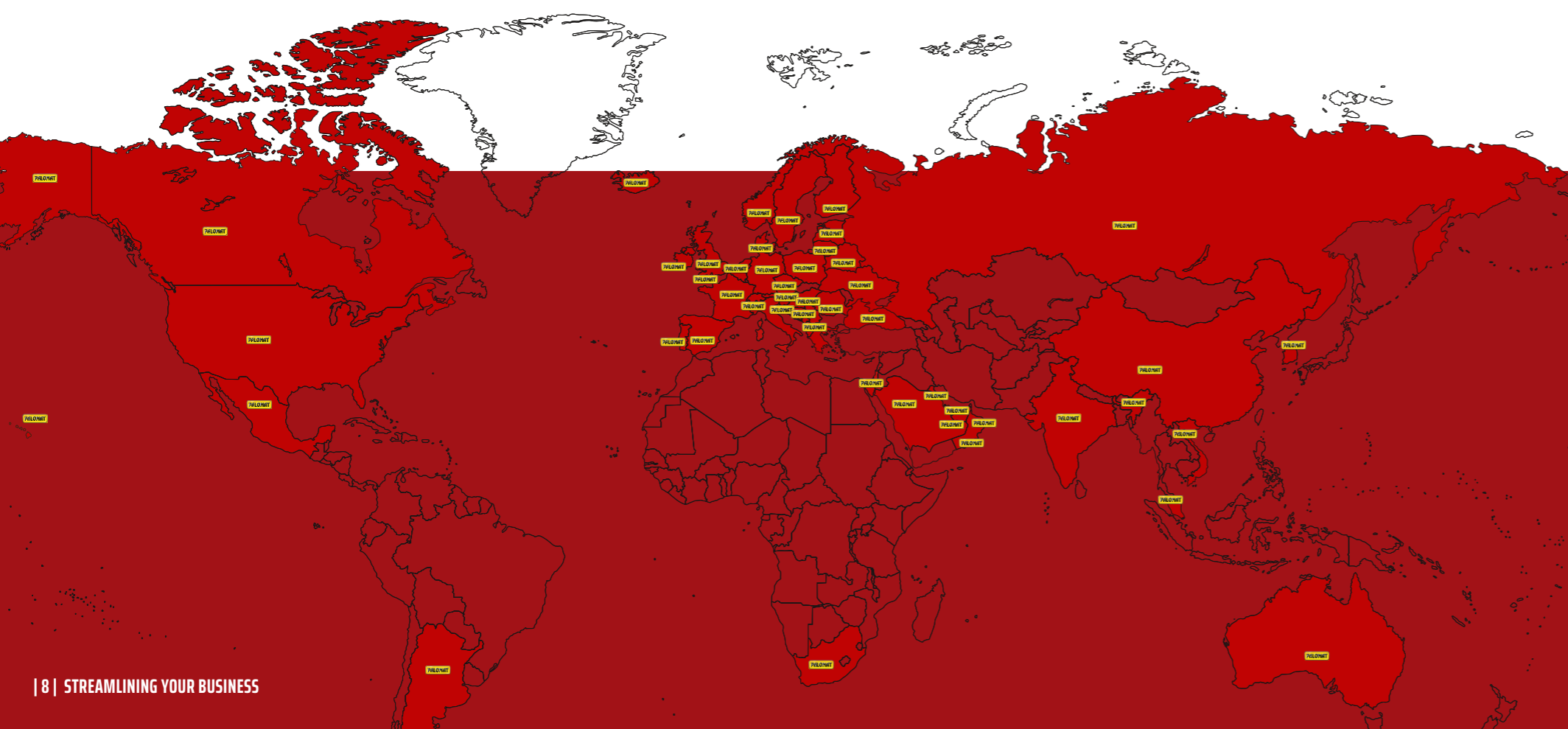
For more than 29 years, we have conducted all development, construction and production at Mors, Denmark, where we are a part of Scandinavia's largest automation company, BILA A/S.

YOUR PARTNER FOR PALLETISATION

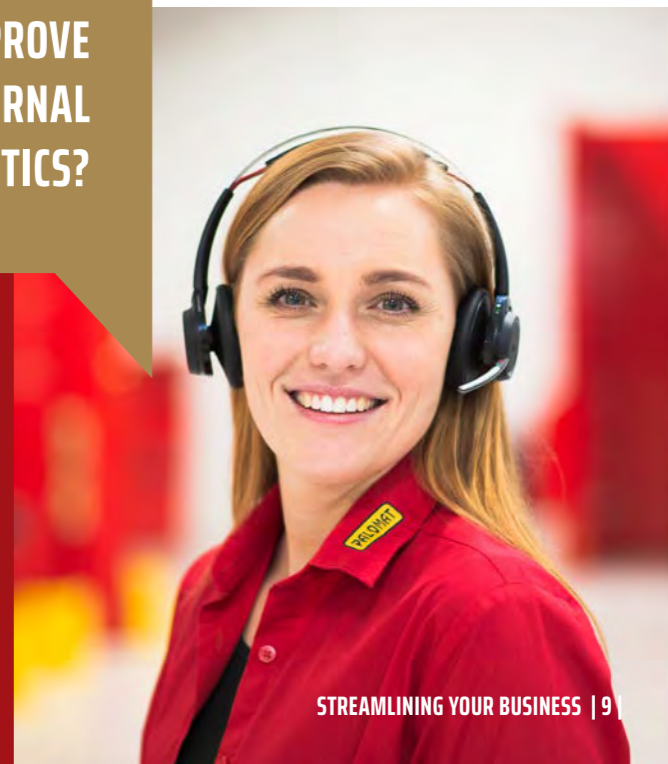
Since 1992, the PALOMAT® brand has been the world's leading manufacturer of pallet magazines, and we strive to be first movers within the development of efficient and safe pallet handling. Therefore, with the PALOMAT® AMR – a solution never seen before – we provide companies worldwide with a method of handling pallets automatically without human interference.

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. Thus, 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, PALOMAT® is the preferred supplier for many national and international companies. 12,000 pallet magazines have already been produced and delivered worldwide.



**ARE YOU READY
TO TAKE THE NEXT
STEP AND IMPROVE
YOUR INTERNAL
LOGISTICS?**



TECHNICAL INFORMATION



PALOMAT® AMR is CE approved and compliant with the latest Machinery Directive. This is your guarantee for a product in accordance with the given health, safety and environment requirements. When PALOMAT® AMR is integrated into a solution, the responsibility of the overall CE approval shifts to the project manager/integrator in question.

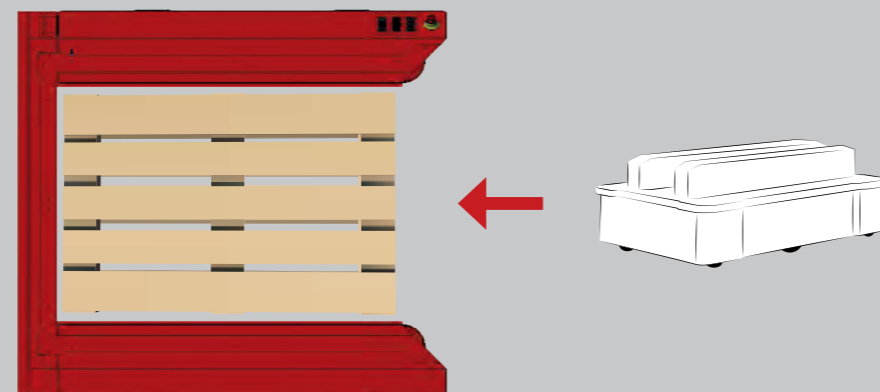
INCLUDES:

- Safety frame for 15 pallets / 500 kg
- Maximum indicator for 15 pallets
- Technical documentation
- Example sequence diagram for programming.

PALOMAT® AMR includes an interface with 24VDC I/O signals for external equipment, which makes it possible to exchange signals between the PALOMAT® and the AMR.

PALLET DIRECTION:

 PALOMAT® IS GRIPPING ON THE LONG SIDE



COMMUNICATION SPECIFICATIONS:

An AMR can perform 3 different tasks together with the PALOMAT®. We recommend that the scenarios are performed as described below:

- Pick up an empty pallet
- Deliver an empty pallet
- Pick up a stack of up to 15 pallets.

If the PALOMAT® has given the output “PALOMAT® full (stacking)”, 15 pallets will be destacked. The AMR must not deliver more than one pallet at a time, thus not filling the PALOMAT® with a stack of pallets. There can be a risk of pallets crashing if doing so!

An entire stack of pallets must therefore be placed into the PALOMAT® by a forklift truck.

TECHNICAL SPECIFICATIONS:

- Actuator: Linak
- Steering: Siemens S7-1200
- Power source: 110-240VAC 50Hz 1P+ N + PE
- Capacity: 15 pallets / 500 kg.

STANDARD COLOUR:

RAL 3002 MATT

SERVICE:

- Technical hotline support: 24/7-365
- +45 96 69 47 10
- info@palomat.com.



BILA A/S

Industrivej 10
DK-7900 Nykøbing Mors

+45 96 69 47 10
info@palomat.com
www.palomat.com



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