PALOMAT
Powered by BILA

PALOMAT® AMR

Communication with mobile robots

PALOMAT® AMR is the perfect add-on for mobile robots (AMR) to optimise internal logistics with fully automated pallet handling.

The PALOMAT® automatically stacks or destack empty pallets individually from/on the mobile robot.

It is delivered with software, OPC UA, and a harting connector as standard, enabling signal exchange between the PALOMAT® and the mobile robot via an ethernet cable or hardwiring.

This allows them to communicate and maintain a continuous and efficient pallet flow to and from the production line.

It is possible to purchase a communication module, such as WISE4060 WIFI or LAN.

Your benefits with PALOMAT® AMR

- Frees up time and labor for other value-adding tasks
- Improves the workflow for mobile robots with automatic pallet handling
- Correct and consistent stacking/destacking on the mobile robot
- Fully automated pallet buffer and docking station
- No manual pallet handling
- Improves the working environment through safe collaboration with people and other machines
- Easy installation

AMR Interface

Outputs: [continusous signal]

- Signal - PALOMAT® empty (destack)
- Signal - New pallet ready for pick up
- Signal - PALOMAT® full (stacking)
- Signal - PALOMAT® ready for pallet
- Signal - Error

Inputs: [pulse 3 - 4 sec]

- Signal - Select destacking
- Signal - Select stacking
- Signal - Emptying of PALOMAT® (full stack)

AC operated

Made in Denmark

Models

Product No.	Model dimensions L x W x H (mm)	Pallet size L x W x H (mm)	Lifting capacity (kg)	Number of pallets
152921*	1570x1360x2804**	1200x800x144	500	15
152923*	1570x1760x2804**	1200x1200x144	500	15
152824*	1570x1575x2850**	1219x1016x141	500	15

Technology

Drive power
100-240V AC, 50-60 Hz
100-240V AC, 50-60 Hz
100-240V AC, 50-60 Hz

** Incl. safety frame for 15 pallets and maximum indicator*
*** The height (H) varies depending on the brand and model of the mobile robot.*

Control: Siemens S7-1200
Actuator: Linak

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

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