

# PALOMAT® AMR

## Two-way communication with autonomus mobile robots



PALOMAT® AMR is partnered up with Autonomous Mobile Robots (AMR); a ground-breaking and thought-out cooperation that re-thinks your infrastructure, by releasing manpower previously spent on manually loading AMRs with pallets.

PALOMAT® AMR is an ergonomic aid, which stacks and destacks empty pallets individually on the AMR fully

automatically. The PALOMAT® is delivered with a WISE 4060 module with I/O signals, allowing for signal exchange between the PALOMAT® AMR and a MiR robot. This makes it possible to exchange signals between the PALOMAT® and the AMR. Thus the two can communicate independently and maintain a constant and effective flow of pallets to and from the production line.



### Your benefits with PALOMAT® AMR

- › Saves time by releasing manpower for more valuable tasks
- › Increases the efficiency og an AMR by automating pallet handling
- › Ensures correct and uniform stacking and de stacking on the AMR
- › Fully operated pallet buffet and docking station
- › streamlines internal logistics
- › improves work environment with a safe cooperation and personnel
- › No manual pallet handling
- › Easy installation

## AMR Interface

### WISE modul interface Inputs: [continuous signal]

- › Signal 0 - PALOMAT® empty (destack)
- › Signal 1 - New pallet ready for pick up
- › Signal 2 - PALOMAT® full (stacking)
- › Signal 3 - PALOMAT® ready for pallet

### WISE modul interface Outputs: [puls 3-4 sec]

- › Signal 0 - Choose destacking
- › Signal 1 - Choose stacking
- › Signal 2 - Empty PALOMAT®
- › Signal 3 - Not used



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
1528xx*	1530x1350x2740	1200x800x144	500	15
1528xx*	1590x1565x2795	1200x1000x150	500	15
1528xx*	1590x1565x2795	1200x1000x162	500	15
1528xx*	1590x1565x2795	1219x1016x141	500	15
1528xx*	1590x1565x2795	1219x1016x130	500	15

\* Incl. safety frame for 15 pallets and maximum indicator

Control: Siemens S7-1200  
Actuator: Linak

**Standard colours:** RAL 3002 red

You can read more about PALOMAT® AMR, options, technical data etc. on [www.palomat.com](http://www.palomat.com)

