

PALOMAT® AMR

Two-way communication with autonomous 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 of an AMR by automating pallet handling
- Ensures correct and uniform stacking and destacking on the AMR
- Fully operated pallet buffer and docking station
- Streamlines internal logistics
- Improves work environment with a safe cooperation between machines and personnel
- No manual pallet handling
- Easy installation



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

Technical

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

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

Technical

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

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

