

MAG500

The reliable and stable autonomous mobile robot to automate your daily internal logistics operations of heavy goods across warehouse or production floors.



Size and Weight

Max. Payload	500 kg (Lifting), 750 kg (Towing)
Dimension	1495 x 985 x 525 mm
Ground Clearance	40 mm
Robot Weight	550 kg

Battery

Battery Type	LiFePO4 battery
Charging Options	MAG Auto Dock, Manual Direct Plug-in
Battery Running time	6 - 8 hours
Battery Capacity	2.8 kWh
Battery Voltage	48V
Full Charge Time	2 - 3 hours

Navigation

Maximum speed	1.50 m/s
Drive Type	Differential
Wheels	2-wheel differential-drive Non-marking wheels
Turning Radius	0 Degree
Docking Method	Laser-based Docking
Docking Accuracy	< 1 cm

Environment

Environment	Indoor Use Only
Climb Grade	2 degree max. slope (gradual)
Max. Traversable Gap	20 mm

Safety

Safety Scanning Laser	360-degree Lidar view 2 x 2D Safety-rated Lidar (Front and Back)
Emergency Stop	4 (Corners)
Additional Sensors	1 x Virtual Bumper 2 x 3D Camera 2 x Mechanical Bumper (Front and Back)