

# MAG1000 AMR

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



## Size and Weight

Max. Payload	1000 kg (Lifting), 1500 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	1.0 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)