

# MAG300 AMR

The sleek, compact autonomous mobile robot to automate your daily intralogistics operations across warehouse or factory floors.



## Size and Weight

Max. Payload	300 kg (Lifting), 500 kg (Towing)
Dimension	850 x 700 x 510 mm
Ground Clearance	40 mm
Robot Weight	230 kg

## Battery

Battery Type	LiFePO4 battery
Charging Options	MAG Auto Dock, Manual Direct Plug-in
Battery Running time	6 - 8 hours
Battery Capacity	1.7 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

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Docking Accuracy	< 1 cm
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### Environment

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

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### Safety

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

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