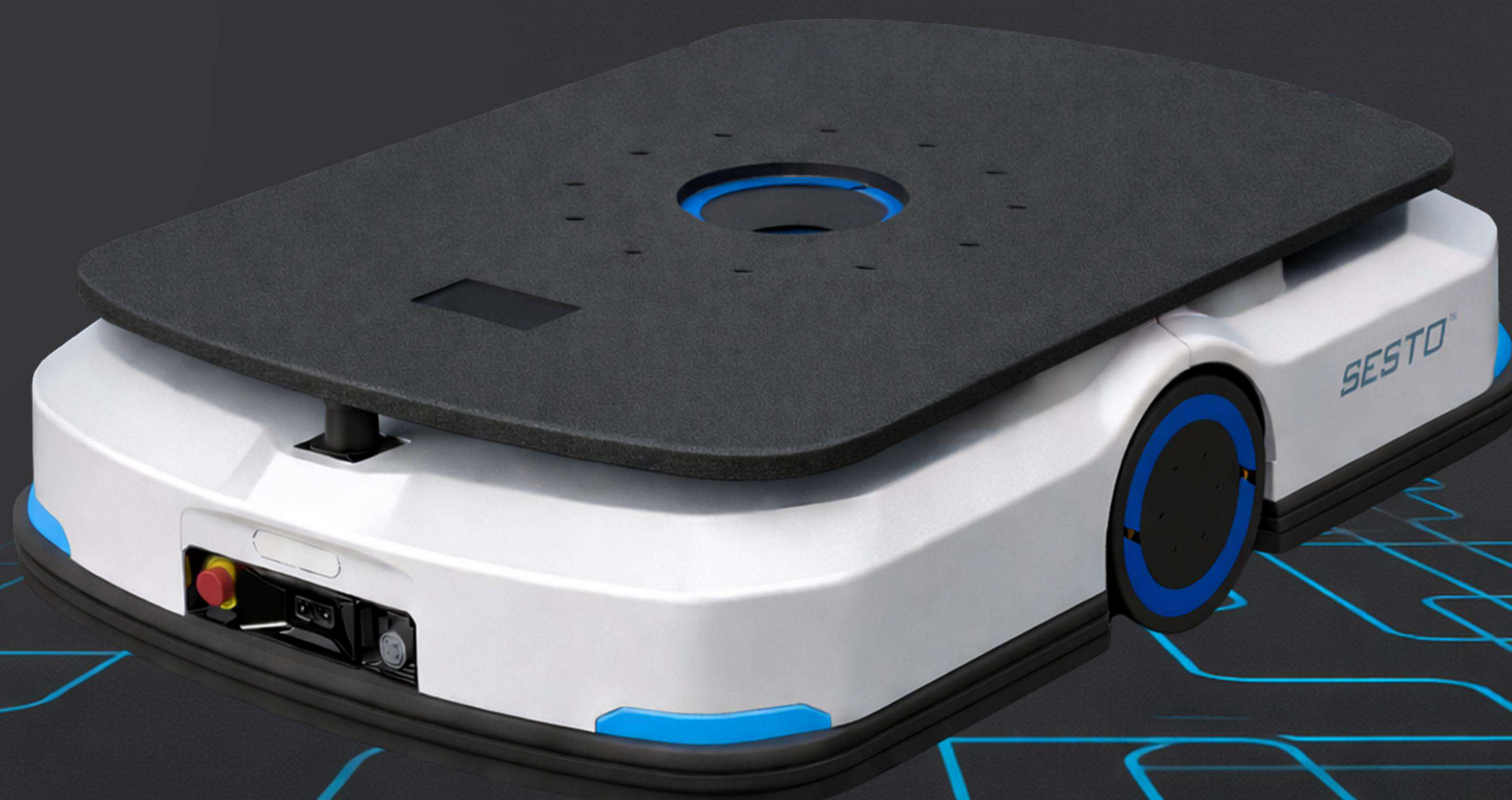




Load Type



MP1000S

1 T Spin Lifting, First Choice for Performance and Cost-effectiveness



Optimal Cost-effectiveness, First Choice for 1000 kg Rotary Lifting Robot

In cooperation with SESTO Ecosystem partners, the entire vehicle BOM has achieved optimal costs, and the vehicle dimensions are benchmarked against the standard products of the same type, making it the best choice for the transfer of 1000 kg racks.



Hybrid Navigation, Accuracy up to ± 5 mm

It supports SLAM, 2D code, reflector and 2D NFL navigation, and can match the corresponding navigation scheme according to the scene needs; it can achieve ± 5 mm positioning accuracy, realizing precise handling of goods between designated locations with high efficiency and flexibility.



Dual Lasers + 3D Camera, Higher Safety Factor

Achieve two-way path protection with dual laser configuration. The front section supports optional 3D camera components for pit detection, obstacle recognition, ensuring safe operation. Equipped with front and rear contact bumper strips for immediate halt upon impact.



Charge for 10 Minutes, Run for 1 Hour

Charging for 10 minutes can ensure the vehicle runs for 1 hour. Fast charging just takes 60 minutes to fully charge 70%, with a worry-free 8-hour battery life.



Intelligent Fleet Manager That Optimized Your Workflow

Sesto Robotics' MagFleet uses AI to optimise the delivery throughput and prevent congestion

Basic parameters

Product name	MP1000S
Navigation type	Laser SLAM
L × W × H	1150 x 800 x 250 mm
Rotation diameter	1220 mm
Weight (with battery)	245 kg
Maximum load capacity	1000 kg
Chassis ground clearance	20 mm
Lifting platform dimensions	1030 x 770 mm
Maximum lifting height	60±2 mm
Navigation laser scanning height	209 mm
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensatio

Configurations

Lidar number	1 (H1) + 1 (C2)
E-stop button	●
Speaker	●
Ambient lamp	●
Bumper Strip	●

Function configurations

Basic functions	●
Wi-Fi roaming	●
Automatic charging	●
Shelf recognition	●
Spin function	●
Precise positioning with QR code	○
QR code navigation	○
Laser reflector navigation	○

Performance parameters

Passability (slope / step / gap)	≤5% / 5 mm / 30 mm
Minimum aisle width	940 mm
Navigation position accuracy	±5 mm
Navigation angle accuracy	±0.5°
Driving speed	≤1.5 m/s

Battery parameters

Battery specifications	51.2 V / 40 Ah (lithium iron phosphate)
Comprehensive battery life	8 h
Charging time (10% to 80%)	≤1 h
Charging method	Manual / Automatic

Dimensions

(mm)

