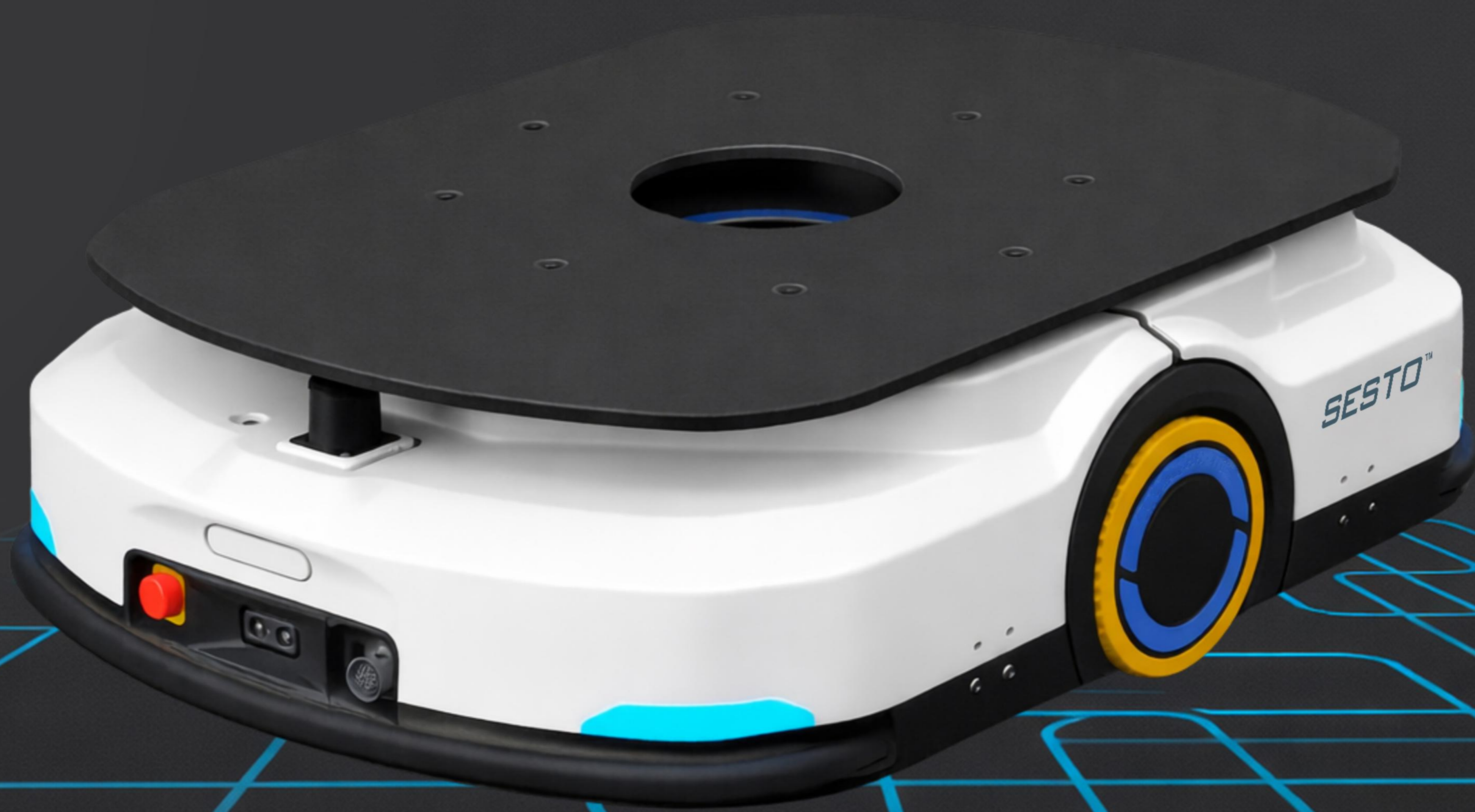


Load Type



MP600S

Powerful Performance, Ultimate Cost-effectiveness



600 kg Spin Lifting Capacity, 1 Hour Charging 80%

600 kg lifting capacity with spin function, covering various types of handling needs. Featuring a minimal rotating diameter of just 965 mm, it supports flexible passage in narrow aisles, dense areas of material racks. Fast-charging to 80% in just 60 minutes, it delivers 8 hours of uninterrupted performance.



Dual Lasers, 360° Safety Protection

Equipped with advanced navigation laser at the front and obstacle avoidance laser at the rear, our robot ensures a safety operation experience like never before.



3D Visual Obstacle Avoidance, 5 m Safety Protection

With the 3D obstacle avoidance camera, it can scan objects within a distance of 0.3 m to 5 m and achieve depth data measurement of objects within that range, improving safety.



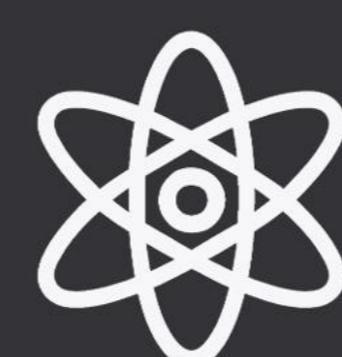
3 Types of Navigation, More Accurate Positioning

Positioning accuracy can reach ± 5 mm. Supports multiple navigation, such as SLAM, QR code, laser reflector and 2D NFL. It adapts to various scenarios with the perfect navigation solution.



Unmatched Speed and Efficiency at 2 m/s

Maximum running speed of 1.5 m/s when fully loaded, and 2 m/s when unloaded, which meets the beat demand and operates more efficiently.



Intelligent Fleet Manager That Optimized Your Workflow

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

Basic parameters

Product name	MP600S
Navigation type	Laser SLAM
L × W × H	950 x 650 x 250 mm
Rotation diameter	965 mm
Weight (with battery)	133 kg
Maximum load capacity	600 kg
Chassis ground clearance	25 mm
Lifting platform dimensions	850 x 600 mm
Maximum lifting height	60±2 mm
Navigation laser scanning height	195 mm
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation

Performance parameters

Passability (slope / step / gap)	≤5% / 5 mm / 30 mm
Minimum aisle width	790 mm
Navigation position accuracy	±5 mm
Navigation angle accuracy	±0.5°
Driving speed	≤1.5 m/s

Battery parameters

Battery specifications	51.2 V / 20 Ah (lithium iron phosphate)
Comprehensive battery life	8 h
Charging time (10% to 80%)	≤1 h
Charging method	Manual / Automatic

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	○

Dimensions

(mm)

