

SESTO Robotics launches SESTO Magnus Autonomous Mobile Robot

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Robot for Material Handling in Space-Scarce Manufacturing, Healthcare and Commercial Facilities Navigates through spaces as narrow as 0.9 metres wide, while carrying industry leading payload of up to 300kg



Singapore's leading autonomous mobile robot company SESTO Robotics has launched [SESTO Magnus](#) - a bi-directional, compact autonomous mobile robot able to carry loads up to 300kg. Having the highest payload rating in the compact class, SESTO Magnus is designed to automate material handling processes in manufacturing, commercial and healthcare industries.

Specially built for tight navigation in space-scarce facilities, SESTO Magnus is able to autonomously travel through spaces as narrow as 0.9 metres wide while avoiding obstacles in its path. Its bi-directional same-speed capability means the autonomous mobile robot can reverse out of dead ends without doing a spot turn.

Using a single mobile platform, SESTO Magnus is highly versatile and can be configured with limitless applications of autonomous material transportation. From components and parts in manufacturing, to laundry and meal services in hospitality and care facilities, to central sterile services and dispensaries in hospitals, the autonomous mobile robot can be fitted with various top module configurations, customisable to requirements.

Powered by SESTO's proprietary user-friendly interface, operators can easily deploy SESTO Magnus for material transportation using a tablet or laptop. The robot provides high uptime of up to ten hours on a single charge and fast battery charging in three hours.

Equipped with low range 270° 2D LIDARS on the front and rear, SESTO Magnus ensures safety with its improved navigation and obstacle detection capabilities. For example, in a busy narrow corridor of a healthcare facility, SESTO Magnus will stop once it detects an obstacle in its path, like a trolley or even a wheelchair. It will wait for the obstacle to be cleared, or reroute after some time. This intelligent behaviour assures facility managers that SESTO Magnus is safe to be deployed in environments where not all the people "crossing paths" with autonomous mobile robots are familiar with them.

Designed and made in Singapore, SESTO autonomous mobile robots are versatile and safe, and automate labour-intensive and repetitive tasks in healthcare and manufacturing facilities.

The global AGV & AMR market is expected to grow from USD 2.2 billion 2020 to USD 9.9 billion in 2023, according to [a report](#) by Interact Analysis. While COVID has delayed some automation projects, AMR revenue growth is predicted to [double in 2021](#). The 2023 revenues of the AMR and AGV market is predicted to be nearly [USD 600 million higher post-COVID19](#).

SESTO autonomous mobile robots help industries and organisations worldwide address labour shortage, thereby reducing operating expenses while improving productivity. SESTO Magnus is an addition to SESTO Robotics' suite of autonomous mobile robot solutions that are scalable and versatile.

For more information on SESTO Magnus, visit <https://www.sestorobotics.com/products/sesto-magnus/>.