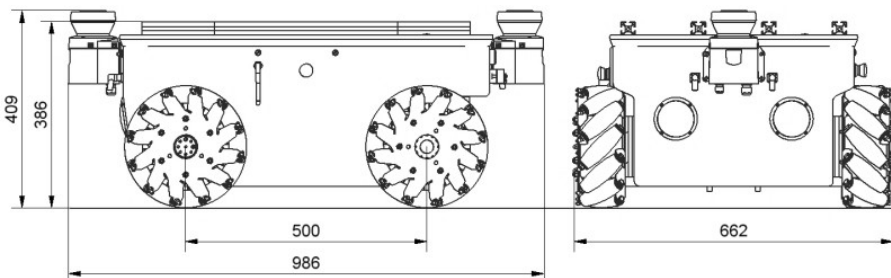


MPO - 500

THE MPO-500 PROVIDES OMNIDIRECTIONAL manoeuvrability at minimized size, making it the ideal robot base for state-of-the-art service robotics research.

ITS MECANUM WHEELS enable the MPO-500 to instantly move into any direction and even to change its orientation while continuously moving to the destination. This makes it very easy to position robot arms or other systems in the workspace. The robot's sophisticated design offers many convenient ways to mount and connect application specific components. Full customization of the platform is also possible.

ITS INNOVATIVE BATTERY QUICK CHANGE SYSTEM allows a replacement of the batteries within minutes without the use of any tools.



INCLUDED IN DELIVERY

- Mobile platform
- 1 x Sick S300 safety laser scanner
- Battery pack
- Wireless joystick
- Manual charger
- On-board computer
- Software package ROS
- Documentation
- CE Declaration of Conformity

OPTIONS

- Battery quick change system
- Automatic charging station
- Load handling device
- High payload of 150 kg
- Intel i7 on-board computer
- IOBoard
- Robot arm
- Audio system

TECHNICAL DATA

Payload	50 kg (optional: high payload of 150 kg)
Weight	approx. 80 kg
Ground clearance	45 mm (with charging contacts: 35 mm)
Speed	< 0.8 m/s
Battery pack	AGM sealed lead acid 24 V / 50 Ah
Uptime / charge time	approx. 5 h / 6 h
Sensors	Laser scanner Sick S300 Expert (optional: 2 nd laser scanner Sick S300 Expert)
Computer	Intel i5, 8 GB RAM, > 200 GB SSD, WLAN