MPO-700

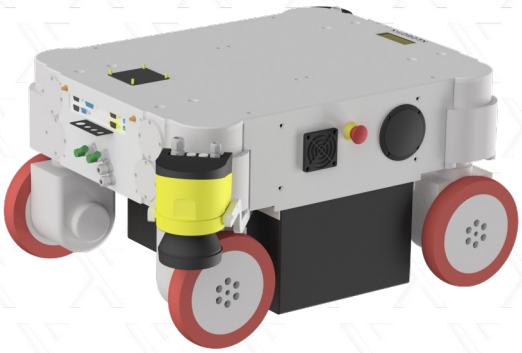
13. Apr 2023

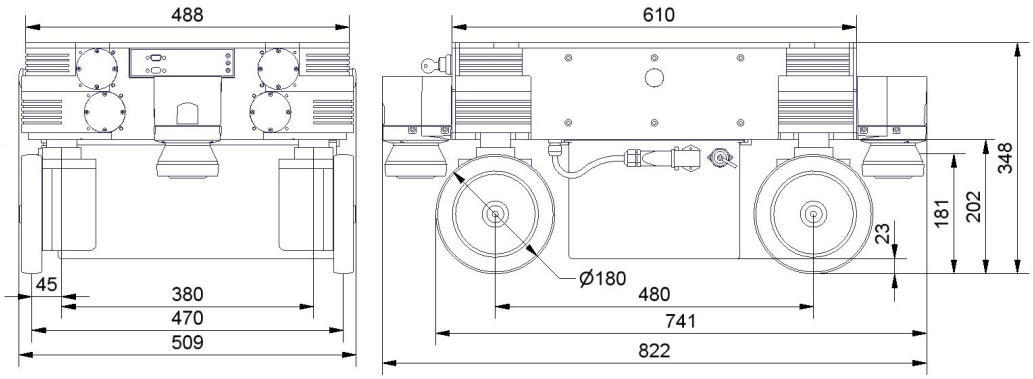
DATA SHEET

The omnidirectional robot MPO-700 provides high-end manoeuvrability for robotic research projects. Its four independent wheels enable the MPO-700 to move along true 3D-trajectories where the robot's orientation is not constrained by its X-Y-movement.

Different from other Kinematics, the MPO-700 can drive along the front of a workbench or laboratory bench while permanently facing the workspace. This significantly improves the work-flow and reduces the danger of collisions. Furthermore the robot is capable of moving through very narrow spaces and of navigating swiftly in difficult or crowded environments.

Additional modules such as manipulator arms, computers, sensors and actuators can be integrated easily to build a highly specialized and capable robotic system.





PAYLOAD
400 kg

SPEED
max. 0.9 m/s

WEIGHT
142 kg

UPTIME / CHARGE TIME
approx. 5 h / 4 h

SENSORS
1 x Sick S300 Expert laser scanner
Options: 2nd Sick S300, diagonal mounting

COMPUTER
Intel i5, 8 GB RAM, > 200 GB SSD, WLAN
Option: Intel i7, 16 GB RAM, > 400 GB SSD