

MP-500

Welcome to the Neobotix Documentation for MP-500



The main advantage of the mobile robot MP-500 are its big drive wheels. In combination with the rugged fibreglass hull the MP-500 is the Neobotix robot that is best suited for dirty or uneven floors.

Its sensors and internal components are the same as in the smaller [MP-400](#) or the [omnidirectional robots](#). Thanks to [ROS](#) the MP-500 can reliably find its way around the workspace even in unstructured environments. Making modifications that tailor the MP-500 to unique requirements is also very easy and open to everybody.

Specification

Payload:	80 kg
Dimensions:	814 x 592 x 361 (LxWxH, in mm)
Speed:	<1.5 m/s
Uptime:	up to 10 h or up to 8 km
Sensors:	1 x 2D laser scanner 5 x ultrasonic sensors (optional)
Control via:	External PC (WLAN) On-board computer

Range Of Application

The mobile robot may be used in a large variety of applications:

- Autonomous transportation tasks in industrial environments
- Automatic measurement of physical data in large areas (e.g. gas concentrations, temperatures, noise, etc.)
- Autonomous operations within large areas (e.g. surveillance, part handling, etc.)
- Telepresence while controlled via wireless LAN

Contact information

For more information please visit our website at www.neobotix-robots.com. If you have any questions, just get in touch with us:

- General information: <http://www.neobotix-robots.com/company-contact.html>
- ROS related questions: ros@neobotix.de