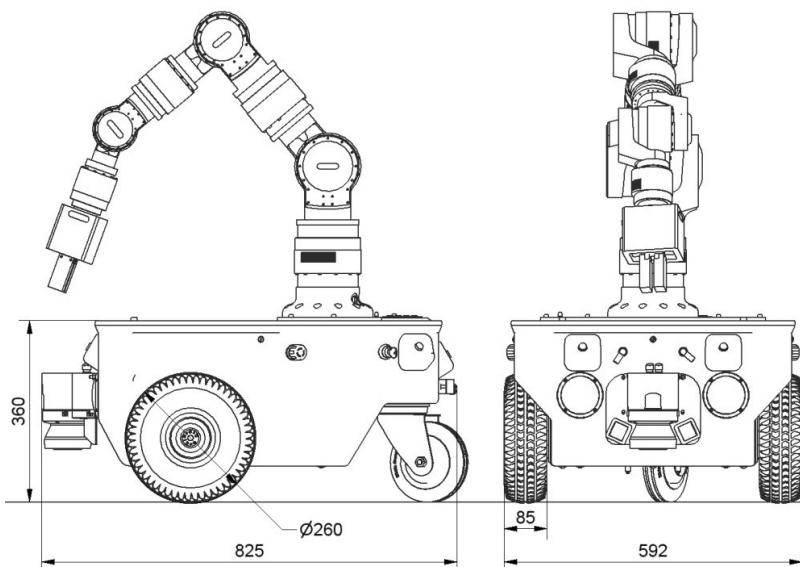


## MM-500

**THE MOBILE MANIPULATOR MM-500** is based on the MP-500 but has a light-weight robot arm from Schunk integrated into the basic platform. This extremely versatile robot system is ready for full industrial use.

**THE MM-500 IS ESPECIALLY USEFUL** for automation of industrial transportation applications and for handling smaller parts e.g. feeding of machines, picking parts from the storage and general transport of parts with autonomous loading.

**THE PLATFORM'S CONTROL SOFTWARE** includes localisation, planning and path interpolation and is based on Neobotix' approved software PlatformCtrl. The Schunk light weight arm can be controlled by the free Robot Operating System (ROS).



### INCLUDED IN DELIVERY

- Mobile platform
- Battery pack
- 1 x Sick S300 safety laser scanner
- Wireless joystick
- Manual charger
- On-board computer
- Software package PlatformCtrl / ROS
- Documentation

### OPTIONS

- Integration of Schunk robot arms
- Automatic charging station
- NAV350 localisation system
- 5 x ultrasonic sensors
- IOBoard
- Audio system

## PLATFORM'S TECHNICAL DATA

<b>Payload</b>	80 kg
<b>Weight</b>	approx. 70 kg
<b>Ground clearance</b>	71 mm (with automatic charging contacts: 55 cm)
<b>Speed</b>	< 1.5 m/s
<b>Battery pack</b>	AGM sealed lead acid 24 V / 50 Ah
<b>Uptime / charge time</b>	approx. 10 h / 6 h
<b>Sensors</b>	Laser scanner Sick S300 (optional: 5 x ultrasonic sensors)
<b>Computer</b>	Intel Atom, 2 GB RAM, > 100 GB HDD, WLAN