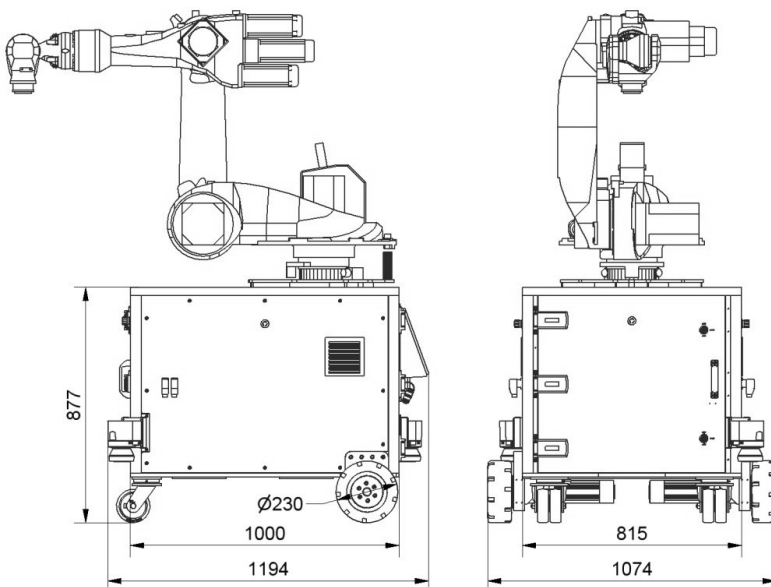


MM-800

THE MOBILE MANIPULATOR MM-800 combines the worldwide proved and tested KUKA KR 16-2 KS robot arm with a stable mobile platform and thus is the first robot system to allow the automation of demanding and decentral tasks.

PLATFORM AND ARM can be moved either independently or synchronised. The manipulator arm can even be moved while the base is driving. Due to the high-capacity battery which can be replaced by a single worker within only a few minutes, sufficient power supply for any application specific components, extensions or grippers is available on-board.

THE MAIN APPLICATIONS OF THE MM-800 are picking of heavy parts as preparation for later assembly, fully automatic feeding of machines and working on large parts or objects.



INCLUDED IN DELIVERY

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

OPTIONS

- NAV350 localisation system
- Lead acid battery 48 V / 240 Ah
- IOBoard
- Audio system
- Ultrasonic sensors

PLATFORM'S TECHNICAL DATA

Platform payload	500 kg
Weight	approx. 750 kg
Ground clearance	164 mm
Speed	< 0.5 m/s
Battery pack	AGM sealed lead acid 48 V / 200 Ah (optional: sealed lead acid 48 V / 240 Ah)
Uptime / charge time	approx. 12 h / 8 h
Sensors	2 x laser scanner Sick S300 optional: ultrasonic sensors
Computer	Intel Atom, 2 GB RAM, > 100 GB HDD, WLAN