



RB-ROBOUT+

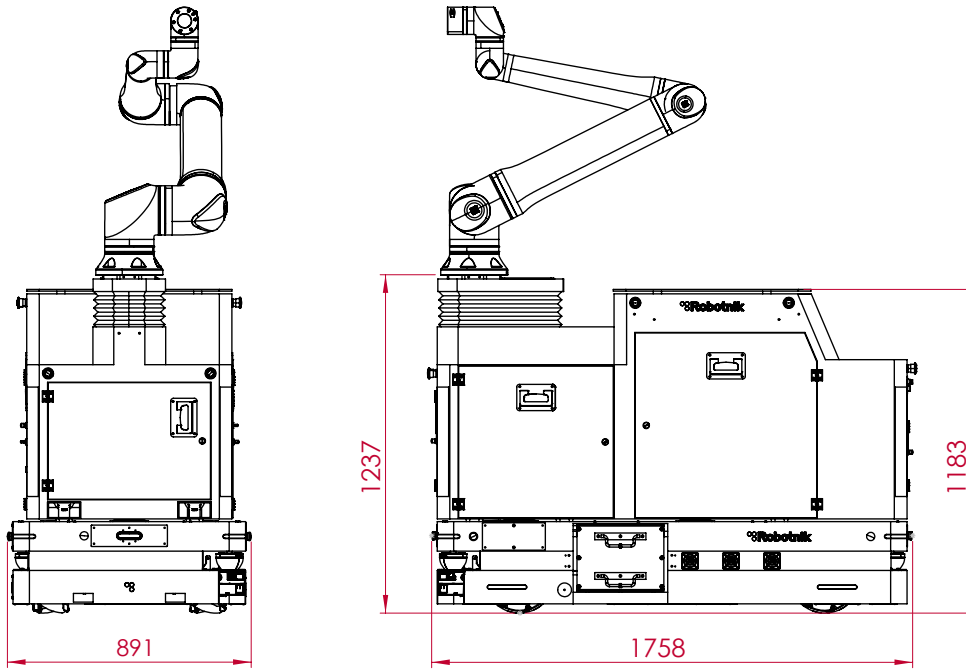
MOBILE MANIPULATOR ROBOT (MMR)

AUTONOMOUS AND
COLLABORATIVE **MOBILE
MANIPULATOR ROBOT** (MMR)
FOR LONG REACH AND HEAVY
PAYLOADS

TOOL OPERATIONS ON LARGE PARTS:

- MASKING
- POLISHING
- CLEANING
- SCREW TIGHTENING





TECHNICAL SPECIFICATIONS

MECHANICAL

- Dimensions **1.758 x 891 x 1.237 mm**
- Weight **650 kg**
- Mobile base payload **500 kg**
- Arm payload **20 kg**
- UR20 - Arm reach **1.750 mm**
- Speed **1,1 m/s**
- Autonomy **Up to 10 h**
- Traction motors **3 kw with break**
- Environment **Indoor**
- Enclosure class (IP) **IP42 / Weatherproof**
- Temperature range **0° to + 50°C**
- Traction system **Omnidirectional**
- Localization system **SLAM | Magnetic guide**
- Battery **LiFePO₄ 100Ah@48V**
- Anchor points **4 on the top**
- Max. slope **13%**

CONTROL

- Controller **Open architecture ROS
Integrated CPU with Linux**
- Communication **WiFi 02.11a / b / g / n / ac
Bluetooth 5.1 (5G/4G optional)**
- Connectivity **USB, RJ45, HDMI, power supply
12, 24 VDC and batteries**
- Robot safety **Safety laser (2x)
Safety PLC
Safety button (4x)**

OPTIONS

Roller conveyor

**Plug and play integration of
Universal Robots™ OEM DC
e-series arms**

Telescopic column

Conformity CE following ISO 3691-4 and ISO 13482. *

Collision avoidance triggered by a person or other obstacle while driving.

* With Safety option