

MOBILE MANIPULATOR ROBOT (MMR)

# RB-ROBOUT



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

-  PICK & PLACE
-  MATERIAL HANDLING
-  GRINDING AND POLISHING
-  WELDING

# RB-ROBOUT

## MOBILE MANIPULATOR WITH HIGH PAYLOAD

**RB-ROBOUT+ UR10e** is the solution for automating large manipulation operations with workpieces or components weighing up to 12,5 kg. It stands out as the only omnidirectional motion robot manipulator with such a high payload.

### COMPONENTS INCLUDED

- CPU
- Safety Pack
  - » 2x 2D safety scanner Outdoor Scan
  - » Safety PLC
- RGBD camera (Front)
- RGBD camera (Back)
- 4G Router
- IMU
- Robotic arm: **UR10e**
  - » Payload: 12,5 kg
  - » Reach: 900 mm
- Battery 48VDC@100Ah
- Charging station

### OPTIONAL COMPONENTS

- 5G Router
- AI+Vision Package
- 3D Localization and Navigation Package
- Magnetic guide navigation

## MECHANICAL

Dimensions	<b>1.789 x 927 x 1.560 mm</b>
Weight	<b>600 Kg</b>
Payload	<b>800-1.000 kg</b>
Speed	<b>1,1 m/s</b>
Environment	<b>Indoor</b>
Enclosure class	<b>IP421</b>
Autonomy	<b>Up to 8 h</b>
Traction motors	<b>4 x 600 W</b>
Traction systems	<b>Omnidirectional</b>
Localization system	<b>SLAM / GPS / Magnetic guidance</b>
Temperature range	<b>5°C to + 40°C</b>
Max. slope	<b>11 %</b>

## CONTROL

Controller	<b>ROS Architecture</b>
Communication	<b>WiFi 802.11 a/g/n/ac Bluetooth 4.0</b>
Connectivity	<b>3 x USB 3 x Ethernet 1 x HDMI DC Power Output</b>

## DRAWINGS

