

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+ UR20 is the solution for automating large manipulation operations with workpieces or components weighing up to 20 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: **UR20**
 - » Payload: 20 kg
 - » Reach: 600 mm
- Battery 48VDC@100Ah
- Charging station

OPTIONAL COMPONENTS

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

MECHANICAL

Dimensions	1.789 x 927 x 1.863 mm
Weight	600 Kg
Payload	800-1.000 kg
Speed	1,1 m/s
Environment	Indoor
Enclosure class	IP421
Autonomy	Up to 8 h
Traction motors	4 x 600 W
Traction systems	Omnidirectional
Localization system	SLAM / GPS / Magnetic guidance
Temperature range	5°C to + 40°C
Max. slope	11 %

CONTROL

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

DRAWINGS

