

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.

INCLUDED COMPONENTS

- CPU Intel i7
- Safety Pack
 - » 2x 2D safety scanner
 - » Safety PLC
- Front & Back RGBD camera
- 5G Router
- IMU
- Robotic arm: **UR10e**
 - » Payload: 12,5 kg
 - » Reach: 1.300 mm
- Battery 48VDC@100Ah
- Arm structure
- Charging station

OPTIONAL COMPONENTS

- Lifting unit
- Magnetic guide navigation
- AI+Vision Package
- 3D Localization and Navigation Package
- Remote Emergency Stop

MECHANICAL

| | |
|---------------------|---------------------------------------|
| Dimensions | 1.789 x 927 x 1.560 mm |
| Weight | 600 Kg |
| Payload | 800-1.000 kg |
| Speed | 1,1 m/s |
| Environment | Indoor |
| Enclosure class | IP41 |
| 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 2 Architecture |
| Communication | WiFi 802.11 b/g/n/ac Bluetooth 5.1 |
| Connectivity | 3 x USB 3 x Ethernet 1 x HDMI DC Power Output |

DRAWINGS

