

MOBILE MANIPULATOR ROBOT (MMR)

RB-KAIROS

COMPLETELY INTEGRATED
**COLLABORATIVE MOBILE
MANIPULATOR (CMM)**

READY FOR **INDUSTRIAL TASKS**



 INDUSTRIAL APPLICATIONS

 PICK & PLACE

 METROLOGY

 PART FEEDING

 R&D

RB-KAIROS^{5e}

INDUSTRIAL VERSION

COLLABORATIVE MOBILE MANIPULATOR FOR INDUSTRIAL APPLICATIONS

RB-KAIROS+ is extremely useful for industrial applications such as pick and place, part feeding, metrology, quality control, operations on large parts or packaging, cleaning, polishing, screwing, drilling, etc.

COMPONENTS INCLUDED

- Mecanum omnidirectional wheels (Payload 100kg)
- CPU
- Safety Pack
 - » 2x 2D safety scanner Outdoor Scan
 - » Safety PLC
- RGBD camera
- 4G Router
- IMU
- Robotic arm: **UR5e**
 - » Payload: 5 kg
 - » Reach: 850 mm
- Battery 48VDC@30Ah
- Docking station

OPTIONAL COMPONENTS

- Mecanum strong wheels (Payload 250 kgs)
- 5G Router
- AI+Vision Package
- 3D Localization and Navigation Package
- OnRobot VGC10
- OnRobot RG2
- OnRobot RG6
- OnRobot RG2FT
- OnRobot 2FG7
- Robotiq 2F-85
- Robotiq 2F-140
- OnRobot Eyes Camera

MECHANICAL

Dimensions	978 x 776 x 1.010 mm
Weight	115 kg + 25 kg
Payload	Up to 250 kg
Speed	1,5 m / s
Environment	Indoor
Enclosure class	IP52
Autonomy	Up to 6 h
Traction motors	4 x 500 W brushless servomotors with brake
Temperature range	0° to + 50°C
Max. slope	15 %

CONTROL

Controller	CPU ROS (Intel i7)
Communication	WiFi 802.11ac Bluetooth 5.1
Connectivity	3 x USB 2 x Ethernet 1 x HDMI DC Power Output

BLUEPRINTS

