

RB-THERON

MOBILE MANIPULATOR ROBOT (MoMa)

HIGH PRECISION FOR
INDUSTRIAL APPLICATIONS

FULL INTEGRATION
WITH **UR CONTROLLER**



-  INDUSTRIAL APPLICATIONS
-  PICK & PLACE
-  METROLOGY
-  PART FEEDING
-  R&D

RB-THERON

100 KG OF PAYLOAD AND 6H OF AUTONOMY

RB-THERON+ is one of the most advanced mobile manipulators on the global market. Thanks to a compact and versatile design, it can operate effectively in areas with narrow hallways, making it particularly useful for industry, laboratories and warehouses.

COMPONENTS INCLUDED

- CPU Intel i7
- Safety Pack
 - » 2D safety scanner x2
 - » Safety PLC
- RGBD camera
- Robotic arm: UR5e
 - » Payload: 5 kg
 - » Reach: 850 mm
- 5G Router
- IMU
- Battery UN38.3 - 48VDC@15Ah
- Charging station

OPTIONAL COMPONENTS

- Omnidirectional platform
- 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

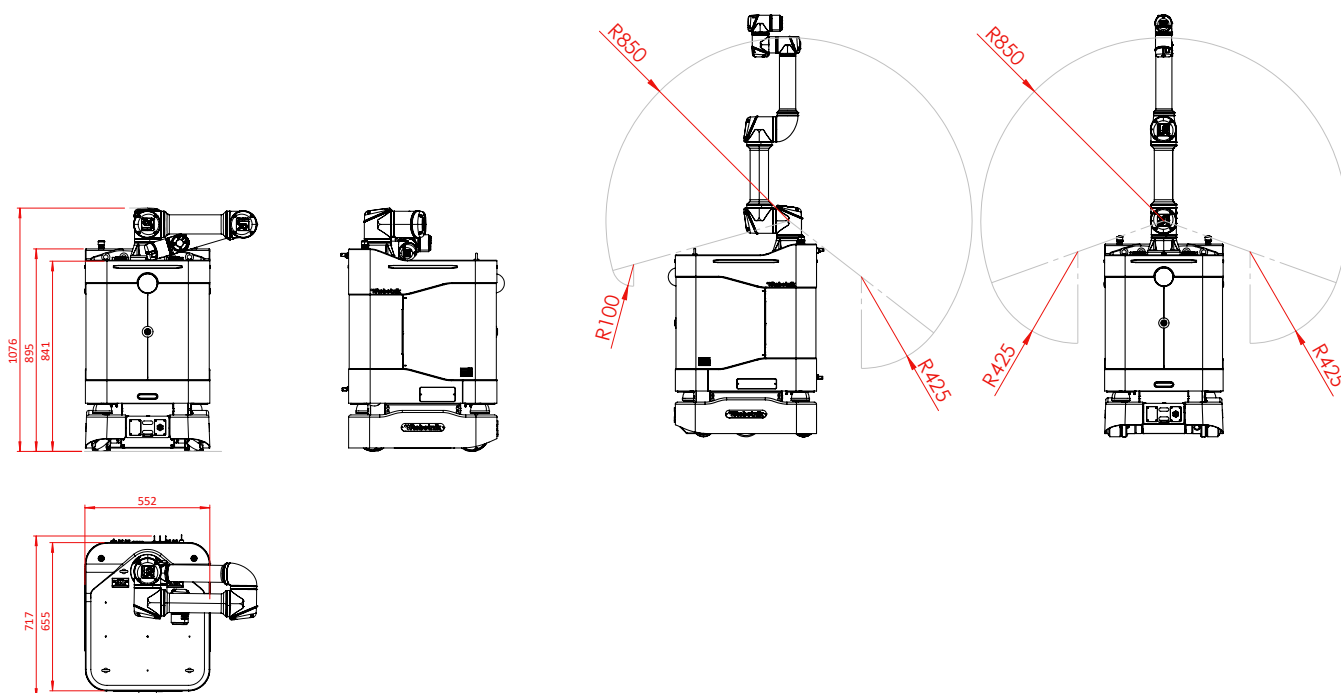
MECHANICAL

Dimensions	1.076 x 552 x 655 mm
Weight	Platform: 160 kg Arm: 25 kg
Payload	Platform: 100 kg Arm: 5 kg
Speed	1,25 m/s
Environment	Indoor
Enclosure class	IP30
Autonomy	Up to 6 h
Traction motors	2 x 250 W with brake
Kinematics	Differential drive
Localization system	SLAM
Temperature range	0°C to + 40°C
Max. slope	6 %

CONTROL

Controller	ROS 2 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x2 Ethernet x3 HDMI x1 Power Outputs: » 12V » 24V » VBATT

BLUEPRINTS



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