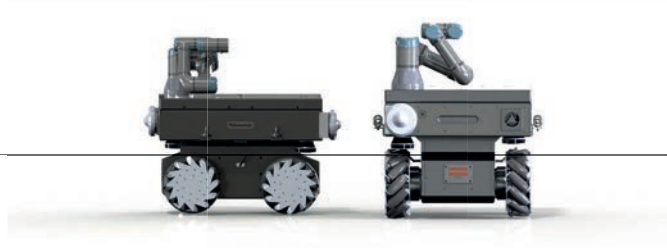


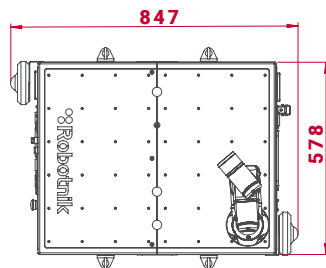
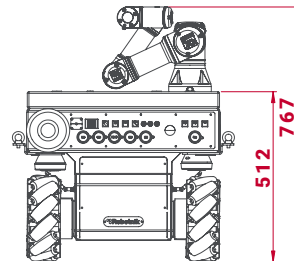
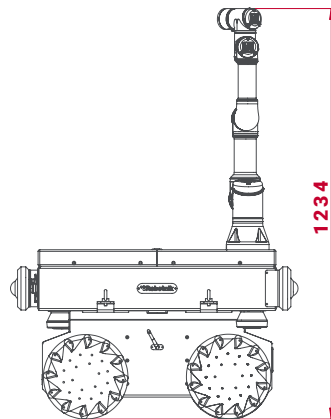
RB-KAIROS 3



COMPLETELY INTEGRATED
**COLLABORATIVE MOBILE
MANIPULATOR** (CMM), DESIGNED
FOR THE DEVELOPMENT OF
INDUSTRIAL TASKS

LOGISTICS, WAREHOUSES & OTHER
INTRA-LOGISTICS APPLICATIONS
INDUSTRIAL MOBILE MANIPULATION
PICK & TRANSPORT & PLACE





TECHNICAL SPECIFICATIONS

MECHANICAL

(Configuration with omnidirectional wheels)

Dimensions **847 x 663 x 767 mm (Folder)**
847x663x 1.234 mm (Spread out)

Weight **115 kg**

Payload **115 Kg**

Speed **2 m/s**

Enclosure class **IP54**

Autonomy **8 h continuous motion**

Batteries **LiFePO₄ 15Ah@48V**

Traction motors **4 x 500 W brushless servomotors**

Temperature range **0° to +50°C**

Max. slope **25 %**

CONTROL

Controller **Open architecture ROS**
Integrated PC with Linux
(Intel BayTrail J1900 or similar)
Optional JETWAY i7

Communication **WiFi 802.11n**

Connectivity **Internal: USB, RS232 and GPIO**
External: USB, RJ45, power
supplies 5, 12 VDC and battery

ARM

Weight **11 kg**

Payload **3 kg**

Reach **500 mm**

WSG50 GRIPPER

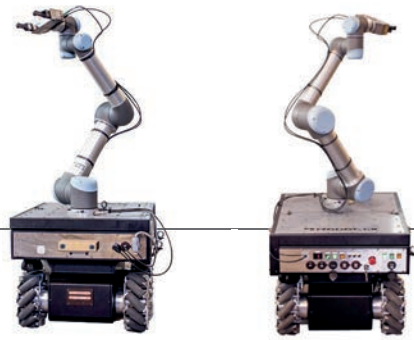
(Optional)

Weight **1,15 kg**

Gripping force **5-80 N**

Stroke **110 mm**

RB-KAIROS



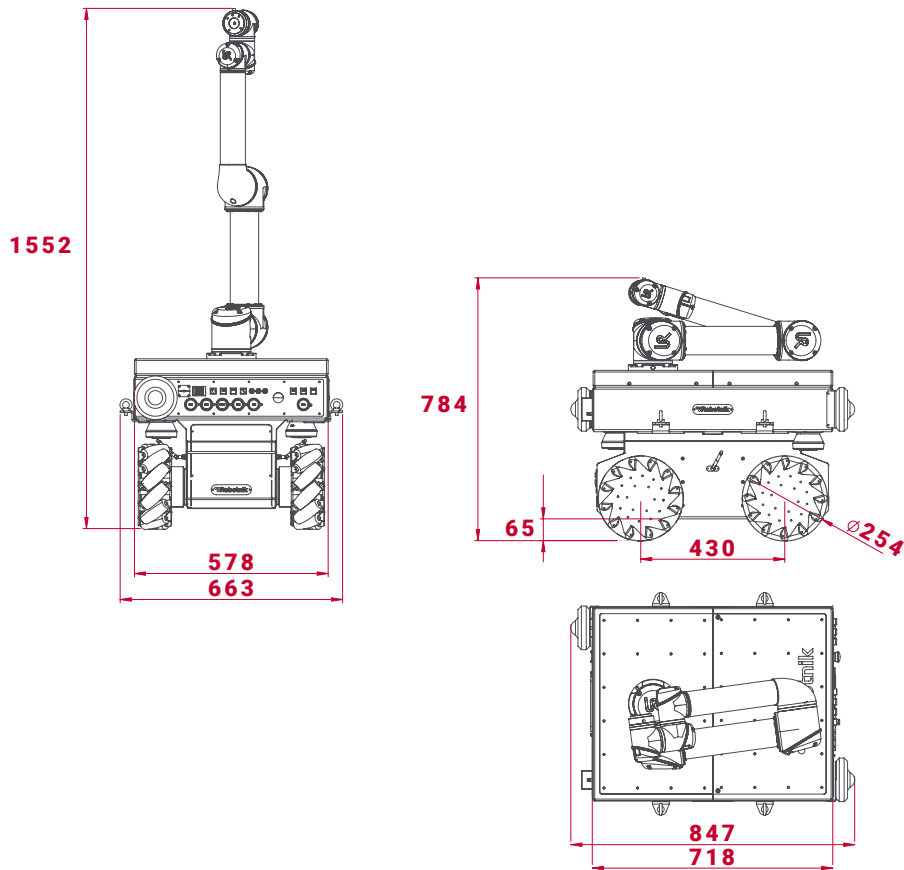
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TECHNICAL SPECIFICATIONS

MECHANICAL

(Configuration with omnidirectional wheels)

Dimensions **847 x 663 x 784mm (Folder)**
847 x 663 x 1.552 mm (Spread out)

Weight **125 kg**

Payload **105 Kg**

Speed **2 m/s**

Enclosure class **IP54**

Autonomy **8 h continuous motion**

Batteries **LiFePO₄ 15Ah@48V**

Traction motors **4 x 500 W brushless servomotors**

Temperature range **0° to +50°C**

Max. slope **20 %**

CONTROL

Controller **Open architecture ROS**
Integrated PC with Linux
(Intel BayTrail J1900 or similar)
Optional JETWAY i7

Communication **WiFi 802.11n**

Connectivity **Internal: USB, RS232 and GPIO**
External: USB, RJ45, power
supplies 5, 12 VDC and battery

ARM

Weight **18,4 kg**

Payload **5 kg**

Reach **850 mm**

WSG50 GRIPPER

(Optional)

Weight **1,15 kg**

Gripping force **5-80 N**

Stroke **110 mm**

RB-KAIROS IO

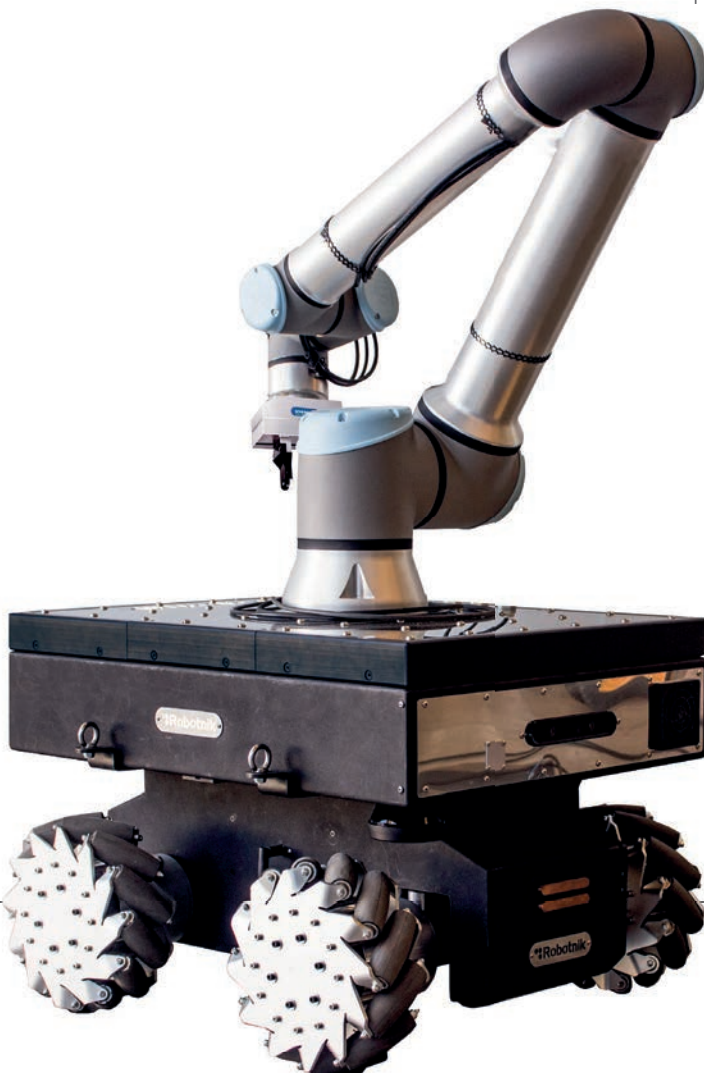


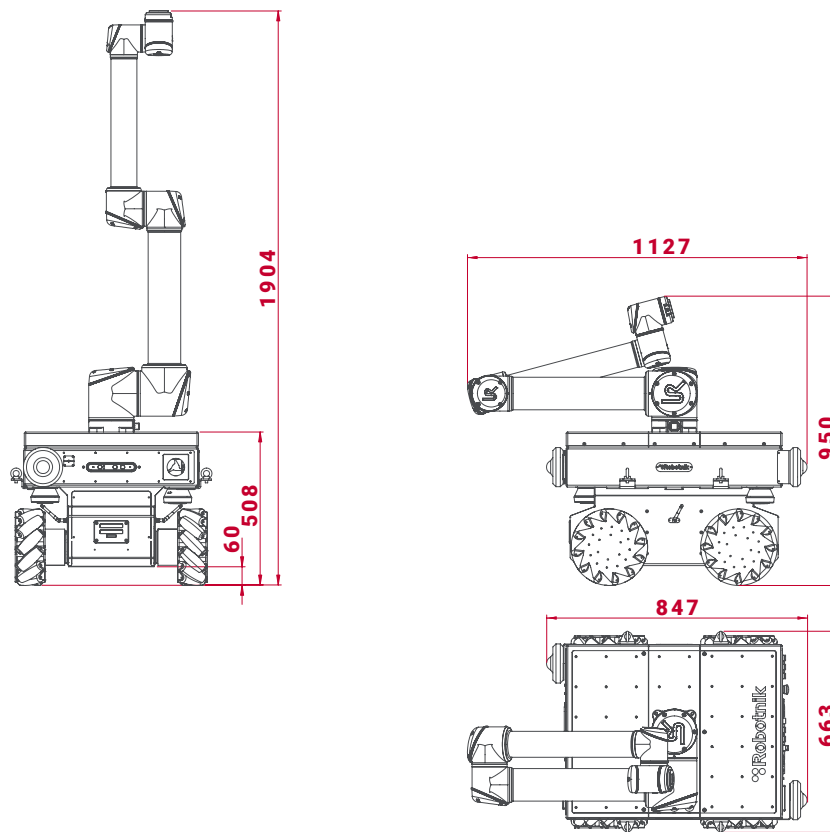
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TECHNICAL SPECIFICATIONS

MECHANICAL

(Configuration with omnidirectional wheels)

Dimensions **847 x 663 x 950 mm (Folder)**
847 x 663 x 1.904 mm (Spread out)

Weight **135 kg**

Payload **90 Kg**

Speed **2 m/s**

Enclosure class **IP54**

Autonomy **8 h continuous motion**

Batteries **LiFePO₄ 15Ah@48V**

Traction motors **4 x 500 W brushless servomotors**

Temperature range **0° to +50°C**

Max. slope **10 %**

CONTROL

Controller **Open architecture ROS**
Integrated PC with Linux
(Intel BayTrail J1900 or similar)
Optional JETWAY i7

Communication **WiFi 802.11n**

Connectivity **Internal: USB, RS232 and GPIO**
External: USB, RJ45, power
supplies 5, 12 VDC and battery

ARM

Weight **28,9 kg**

Payload **10 kg**

Reach **1.300 mm**

WSG50 GRIPPER

(Optional)

Weight **1,15 kg**

Gripping force **5-80 N**

Stroke **110 mm**