Robotnik

RB-VULCANO



MOBILE MANIPULATOR
FOR **INDUSTRIAL APPLICATIONS**

LOGISTICS, WAREHOUSES & OTHERS

INDUSTRIAL APPLICATIONS

OPTIONS

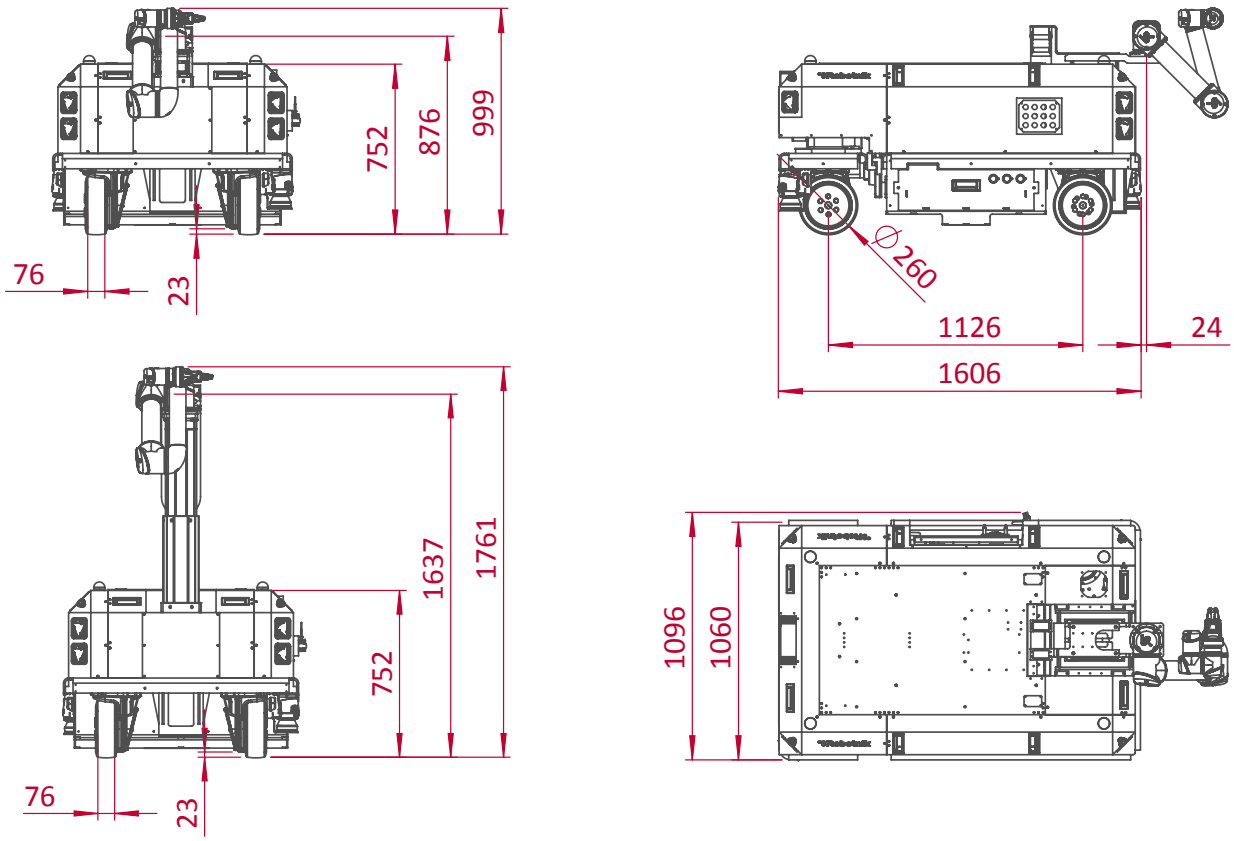
DOCKING STATION
MAGNETIC GUIDANCE SENSORS
LIFTING UNIT
DIGITAL & ANALOG
I / O MODULE



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RB-VULCANO 5

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TECHNICAL SPECIFICATIONS

MECHANICAL

Dimensions	**1.606 x 1.096 x 999 mm (Folded)**
Weight	**850 kg**
Payload	**1.750 kg**
Speed	**1 m/s**
Environment	**Indoor**
Enclosure class	**IP21**
Traction system	**Single Ackermann** **Dual Ackermann** **Omni-drive (swerve drive)**
Traction motors	**4 x 1200 W**
Direction motors	**4 x 500 W**
Batteries	**LiFePO$_4$ 200Ah@48V**
Temperature range	**0° to +45°C**

CONTROL

Controller	**Open architecture ROS** **Embedded PC with Linux**
Communication	**WiFi 802.11n**
Connectivity	**On demand**

ARM

Weight	**18,4 kg**
Payload	**5 kg**
Reach	**850 mm**

EGP 40 CO ACT

(Optional gripper)

Weight	**0,7 kg**
Gripping force	**35-140 N**
Stroke	**6 mm**

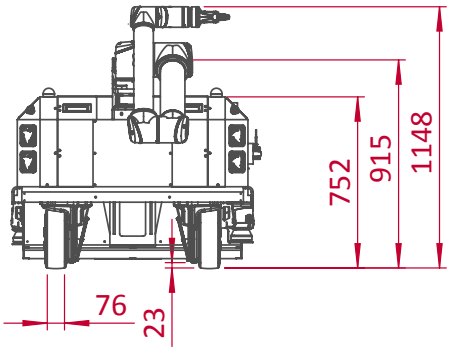
ELEVATION SYSTEM

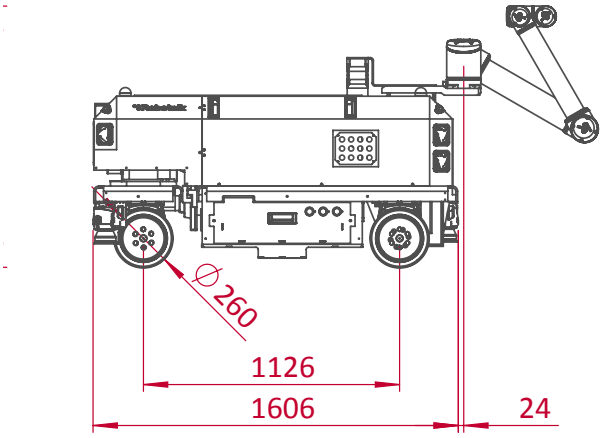
Stroke	**750 mm**

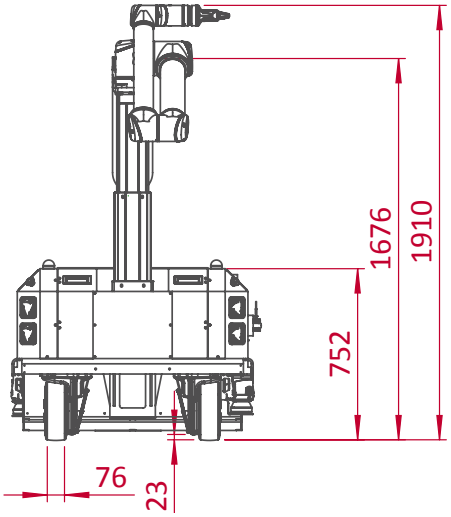
ROS

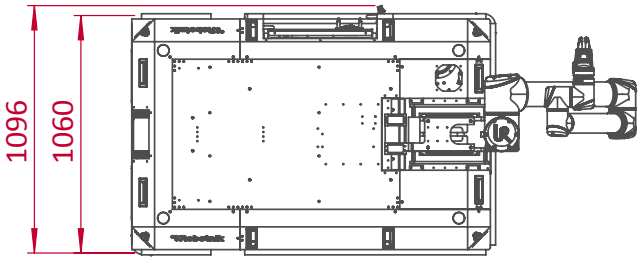
RB-VULCANO IO

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TECHNICAL SPECIFICATIONS

MECHANICAL

Dimensions	**1.606 x 1.096 x 1.148 mm (Folded)**
Weight	**850 kg**
Payload	**1.750 kg**
Speed	**1 m/s**
Environment	**Indoor**
Enclosure class	**IP21**
Traction system	**Single Ackermann** **Dual Ackermann** **Omni-drive (swerve drive)**
Traction motors	**4 x 1200 W**
Direction motors	**4 x 500 W**
Batteries	**LiFePO$_4$ 200Ah@48V**
Temperature range	**0° to +45°C**

CONTROL

Controller	**Open architecture ROS** **Embedded PC with Linux**
Communication	**WiFi 802.11n**
Connectivity	**On demand**

ARM

Weight	**28,9 kg**
Payload	**10 kg**
Reach	**1.300 mm**

EGP 40 CO ACT

(Optional gripper)

Weight	**0,7 kg**
Gripping force	**35-140 N**
Stroke	**6 mm**

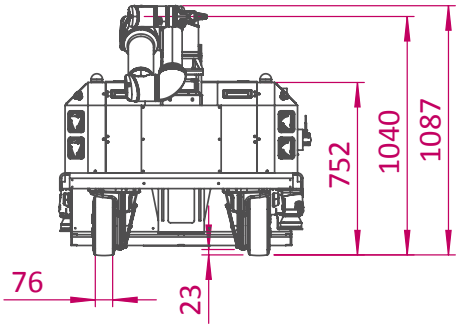
ELEVATION SYSTEM

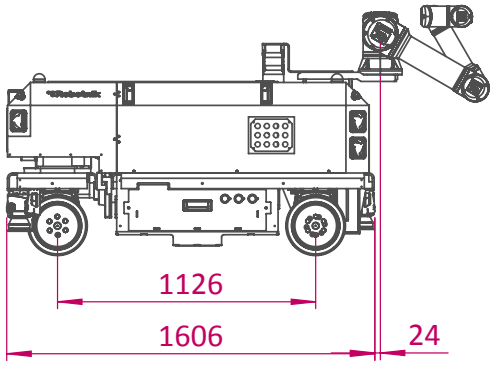
Stroke	**750 mm**

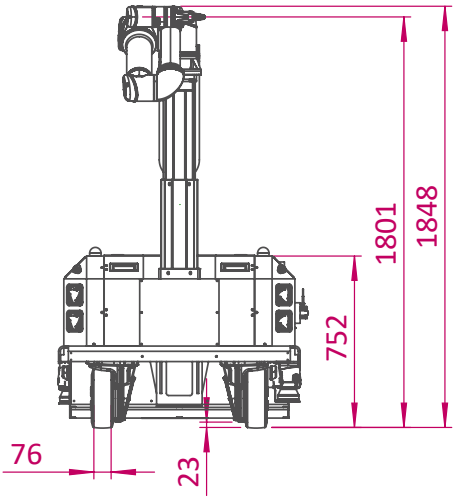
ROS

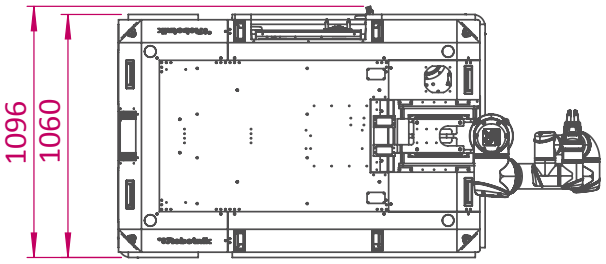
RB-VULCANO I6

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TECHNICAL SPECIFICATIONS

MECHANICAL

Dimensions	**1.606 x 1.096 x 1.187 mm (Folded)**
Weight	**850 kg**
Payload	**1.750 kg**
Speed	**1 m/s**
Environment	**Indoor**
Enclosure class	**IP21**
Traction system	**Single Ackermann** **Dual Ackermann** **Omni-drive (swerve drive)**
Traction motors	**4 x 1200 W**
Direction motors	**4 x 500 W**
Batteries	**LiFePO$_4$ 200Ah@48V**
Temperature range	**0° to +45°C**

CONTROL

Controller	**Open architecture ROS** **Embedded PC with Linux**
Communication	**WiFi 802.11n**
Connectivity	**On demand**

ARM

Weight	**28,9 kg**
Payload	**16 kg**
Reach	**1.300 mm**

EGP 40 CO ACT

(Optional gripper)

Weight	**0,7 kg**
Gripping force	**35-140 N**
Stroke	**6 mm**

ELEVATION SYSTEM

Stroke	**750 mm**

ROS