

RB-ROBOUT

AUTONOMOUS MOBILE ROBOT (AMR)

AUTONOMOUS AND
COLLABORATIVE MOBILE
ROBOT (AMR) FOR **HIGH**
LOADS TRANSPORT



LOADING / UNLOADING



INDUSTRIAL TASKS



WAREHOUSING TRANSPORT



RB-ROBOUT

STANDARD VERSION

THE SOLUTION FOR THE TRANSPORT OF HEAVY LOADS IN INTRALOGISTICS TASKS

The **RB-ROBOUT** mobile robot is the solution for transporting heavy loads up to 1 tonne in weight, in indoor industrial environments such as factories or warehouses. It has a robust steel design and can transport up to 1.000 kg of load. The dolly has omnidirectional kinematics based on 4 high power drive wheels.

COMPONENTS INCLUDED

- CPU
- Safety Pack
 - » 2x 2D safety scanner
 - » Safety PLC
- RGBD Camera (Front)
- RGBD Camera (Back)
- 4G Router
- IMU
- Battery 48VDC@100Ah
- Docking station

OPTIONAL COMPONENTS

- 3D Localization and Navigation Package
- AI+Vision Package
- 5G Router

MECHANICAL

Dimensions	1.758 x 891 x 372 mm
Weight	350 Kg
Payload	1.000 Kg
Speed	1,1 m/s
Enclosure class	IP42 / Weatherproof
Autonomy	Up to 10 h
Temperature range	0°C to + 50°C
Max. slope	11 %
Traction systems	Omnidirectional
Traction motors	3 KW with brake
Localization system	SLAM / Magnetic guide
Anchor points	6 on the top

CONTROL

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

BLUEPRINTS

