



robuLAB 150 Powerful intelligent robotic platform for heavy payloads



A tough robot

robuLAB 150 features an impressive 300 kilos payload, in a compact and rugged package. It is designed for stable operations on a wide range of applications:

- Flexible manufacturing system
- Pick and place intelligent system
- Intelligent measurement systems
- Surveillance applications
- Research works on remote sensing and modular developments in robotics
- ...



Modular and flexible :

A wide variety of fully integrated accessories (sensors and mechanical accessories), is available for robuLAB 150.



Easy (and cost effective) software and hardware integration :

The robuLab 150 is powered by Robosoft's original robuBOX technology, allowing fast and effective development whatever is the targeted application.



One standard platform for different specific applications :

Able to carry up to 300 kg of additional payloads, this platform is one of the most robust off the shelves mobile robot available today on the market. Our teams of engineers in electronics, software and mechatronics can bring their expertise to develop software and mechanical systems, and build for any customer a reliable turn-key complex service robot.

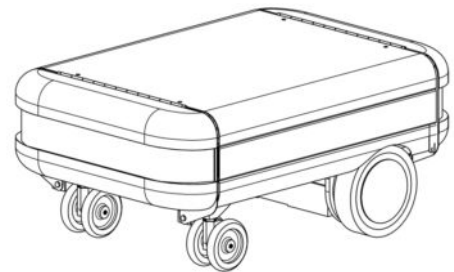
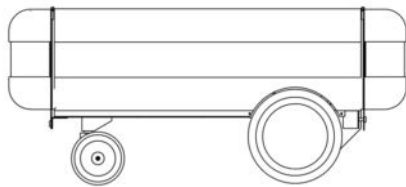
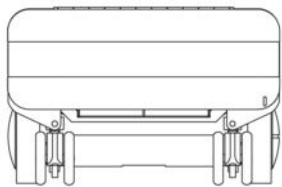
robuLAB 150 technical specifications

robosoft

Standard platform :

- dimensions (LxWxH) : 1025 mm (40.35") x 680mm (26.77") x 440 mm (17.32")
- weight : 150 kg (333 lbs) including batteries
- payload: 300 kg (661 lbs)
- batteries: 4 x 48 VDC
- differential direct drive + free casters
- motors : 2 x 300 W DC permanent magnet motors (1500 rpm primary / 100 rpm output)
- max speed : 1.25 m/s
- control unit :

robuBOX hardware controller with
MICROSOFT ROBOTICS STUDIO Dev. Tools
(see www.robosoft.com for more details)



Additional modules (options) :

- 2 inductive sensors for wire guidance
- frequency generator
- 1 wireless emergency stop
- indoor wifi device (802.11 b/g up to 54 Mbps)
- joystick
- Nav / Lda 360 navigation laser system

