ROX ▸

DATA SHEET

ROX is the newest generation of mobile robots from Neobotix. Various omnidirectional and classical drive systems can easily be expanded by individual superstructures, extensions and options as required. Depending on the requirements, the carefully designed platforms can be customized by changing the length, width and height.

All platforms of the ROX product-line can be controlled through our professional AMR control software PlatformPilot. Alternatively, the ROX platforms can also use the open-source framework ROS 2, making them ideal for research and development purposes.
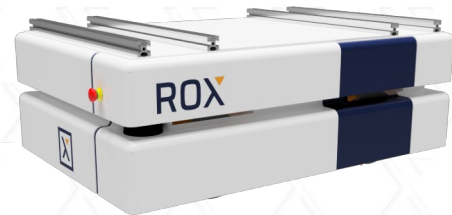
Additional modules such as manipulator arms, computers, sensors and actuators can be integrated easily to build a highly specialized and capable robotic system. Two battery technologies and optional capacity extensions offer the perfect balance of cost, uptime and charging time for every application.

▶ Dimensions

ROX is available as standard in the sizes shown below. It can also be easily customized for a more specific application.
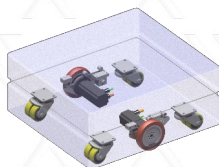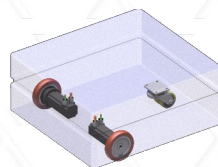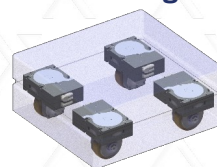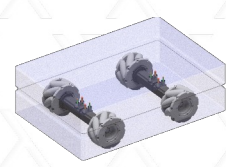

Short version

Long version

	ROX ▶ Diff	ROX ▶ Trike	ROX ▶ Argo	ROX ▶ Meca
Minimum Length	780 mm	780 mm	780 mm	1040 mm
Minimum Width	680 mm	680 mm	680 mm	680 mm
Minimum Height	330 mm	330 mm	330 mm	330 mm
Payload	300 kg	300 kg	500 kg	400 kg
Speed	1,5 m/s	1,5 m/s	2 m/s	2 m/s

▶ SENSORS

2 x Laser Scanner Sick nanoScan3

▶ BATTERY

Basic: 1 / 2 / 3 x AGM pack (48 V, 26 Ah)
Option: 1 / 2 / 3 x LiFePO4 pack (48 V, 21 Ah)

▶ COMPUTER

Intel i5, 8 GB RAM, > 200 GB SSD, WLAN
Option: Intel i7, 16 GB RAM, > 400 GB SSD

▶ CHARGING

Manual wired charger included in delivery
Optional automatic inductive charging station