

MOBOT® TRANSPORTER T5 mobile robot

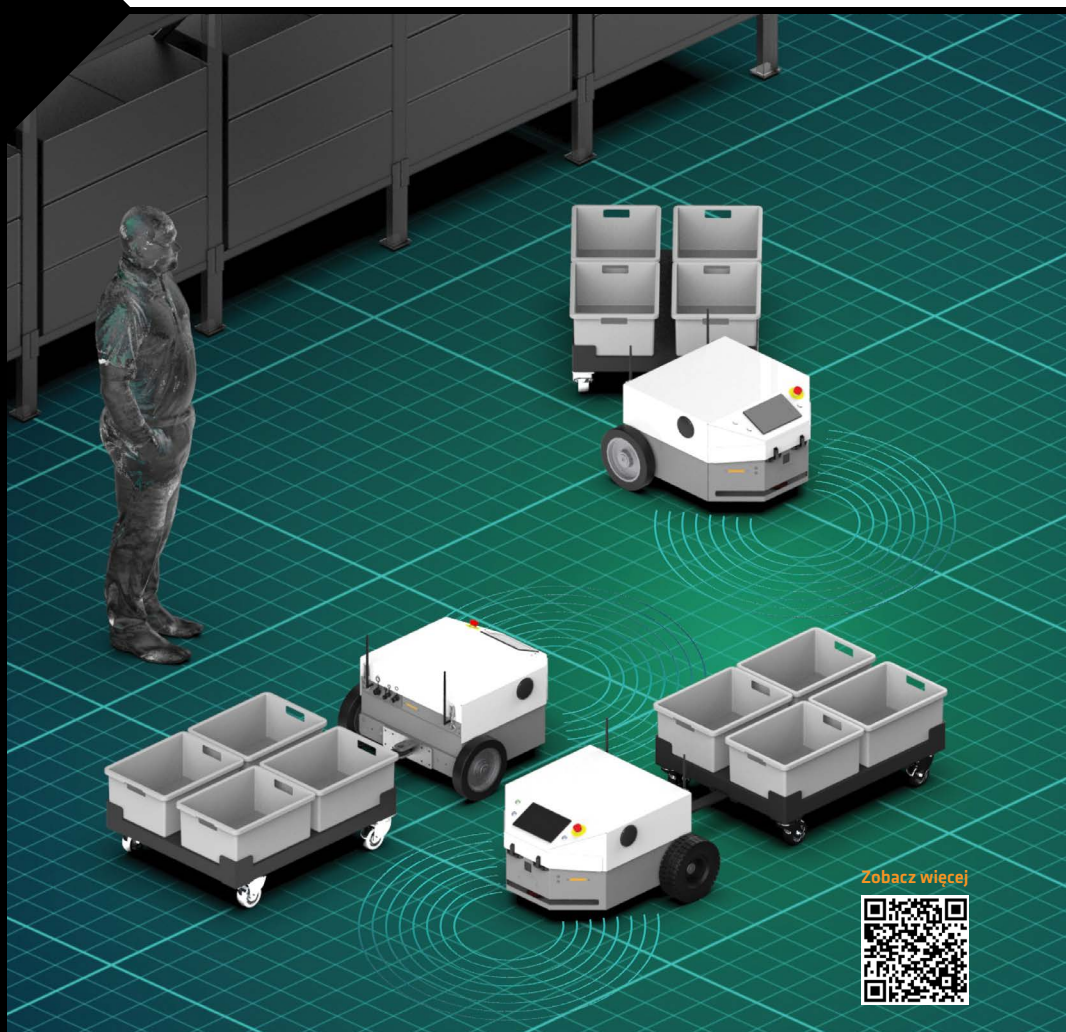
An autonomous mobile robot used to automate the transport and towing heavy loads. It travels independently along the programmed route.

- ▶ Inexpensive and intuitive to use
- ▶ For quick, independent implementation
- ▶ Works safely with people while carrying your loads
- ▶ Increases process efficiency and reduces costs
- ▶ Degree of protection IP65 and the option of retreaded wheels allow for outdoor use
- ▶ ROI for one-shift work and replacement of 1 person is only 1 year
- ▶ You can quickly and conveniently configure the product via the website
- ▶ It gives the possibility to use almost any additional equipment. You can expand the robot with a wide spectrum of functionalities.



-  operating time up to 8 h on a single charge
-  towing capacity up to 500 kg
-  Wi-Fi communication
-  dimensions 685x 674/732 x 418 mm
-  max speed 5,65 km/h
-  navigation LMS system

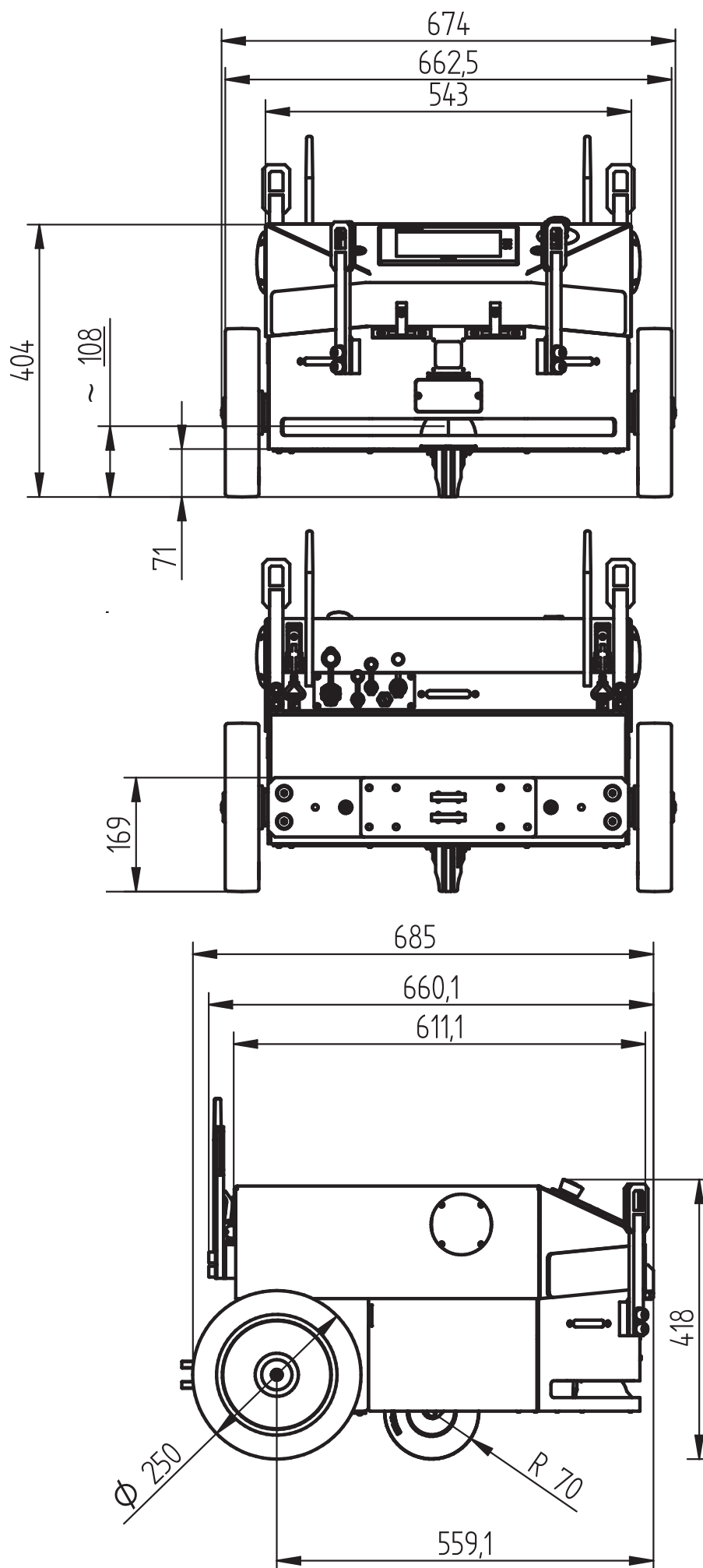
Intended use: for hospitals, industrial production, shops, airports, logistics



Zobacz więcej



Robot type	MOBOT® TRANSPORTER T5
Payload and transport method	
Way of transporting cargo	The robot is pulling carts; replaceable clip on the back of the robot
Permissible total weight of the load	500 kg
Power supply	
Manual battery charging connector	YES (51.8 V DC max. 20 A)* * - depends on the selected battery pack
Automatic battery charging connector	Movable contact connector mounted on the bottom of the robot allows to automatically charge the battery during operation (optional)
Robot power supply	- Standard battery pack Li-Ion 32 Ah/ 51.8 V (1657 Wh) - Optional battery pack Li-Ion 64 Ah/ 51.8 V (3314 Wh)
Charging	- Standard 15A charger, connected manually with a connector - Standard 15A auto charger with pins
Average operating time	~ 8 h (32 Ah battery)/ ~ 16 h (64 Ah battery)* * the time depends on the average speed and the surface on which the robot moves, the transported load and possible power consumption from the connectors: I/O i mocy
Operating time in standby mode	~ 27 h (32 Ah battery) / ~ 54 h (64 Ah battery)
Battery charging time	- 32 Ah battery: ~2 h (15 A charger) - 64 Ah battery: ~4 h (15 A charger)
Speed and performance	
Maximal speed	5,65 km/h
Nominal power	1500 W
Movement directions	Forward movement, rotation
Turning radius	Possibility of turning in place
Maximum surface slope	Restricted by the allowed approach angle of the robot
Navigation	
Navigation	- LMS laser, intelligent and autonomous navigation * - Manual robot control from a PC * LMS - laser navigation system
Communication	
Communication	2.4 GHz Wi-Fi, optional 2.4 GHz industrial radio module (RS232)
Connector	- Ethernet M12 (4 pin) - communication with PC, MODBUS TCP / IP - I/O switch: 24 VDC supply output (max. 2 A) + 2 inputs + 2 outputs (max. 0.5A) + CAN * - Optional power connector: 40...58VDC power supply output (max. 10A) + 2 power outputs (max.10A) - Optional external safety circuit connector * option of connecting an optional I/O expansion module
Drive and control	
Drive	2 x servo motor (brushless), wheels with a diameter of 250 mm
Control and steering	- 1 x 7 "touch operator panel - 1 x emergency stop - 1 x emergency stop reset confirmation button - 1 x power switch - 1 x function button
Sensors	
Sensors	- 2D laser scanner for navigation with safety function - Camera for tag recognition and precise positioning
Signaling	- 1 x buzzer - 2 with loudspeaker (voice / music messages) - 2 x direction indicator - 1 x traffic light
Environment	
Operating temperature range	5 ÷ 45 °C
Humidity range	< 80 %, no condensation
Protection degree	IP65
The intensity of external light	< 1500 lx
Dimensions and weight	
Dimensions (L x W x H)	685 x 674/732 (depending on the drive wheels) x 418 mm
Total weight (with batteries)	~ 130 kg



All dimensions are approximate values and can change.

