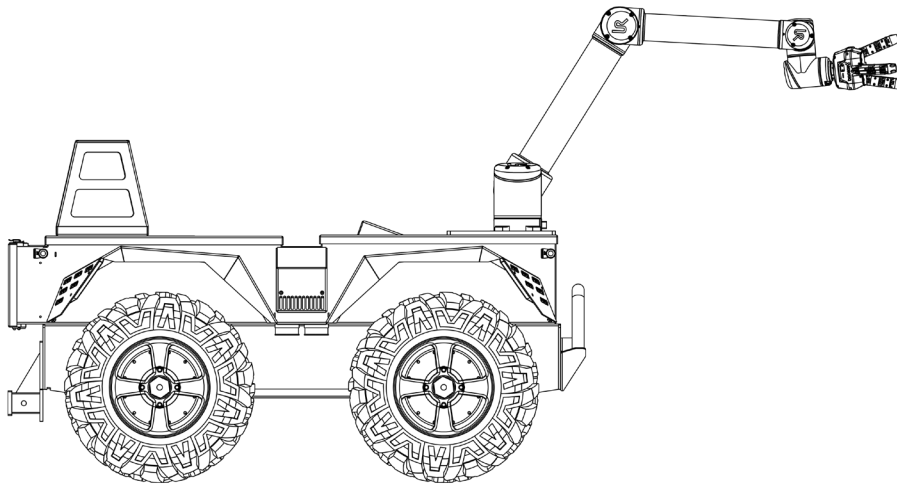


GRIZZLY™

MOBILE MANIPULATOR



TECHNICAL SPECIFICATIONS

ROBOTIQ 3-FINGER ADVANCED GRIPPER

GRIPPER STROKE	155 mm (6.1 in)
GRIPPER WEIGHT	2.3 kg (5 lbs)
MAX PAYLOAD	10 kg (22 lbs)
PARALLEL GRIP REPEATABILITY	0.05 mm (0.002 in)

UNIVERSAL ROBOTICS UR10 MANIPULATOR

REACH	1300 mm (51.2 in)
DEGREES OF FREEDOM	6 Rotating Joints
PAYLOAD	Without Gripper: 10 kg (22 lb) With Gripper: 7.3 kg (16.1 lb)
REPEATABILITY	+/- 0.1 mm (0.0039 in)

SIZE AND WEIGHT (GRIZZLY BASE)

	Speed Optimized	Towing Optimized
EXTERNAL DIMENSIONS (L x W x H)	1750 x 1282 x 811 mm (68.9 x 50.5 x 31.9 in)	
CURB WEIGHT	690 kg (1520 lb)	940 kg (2070 lb)
WHEELS	660 mm (26 in) Gen. Purpose	584 mm (23 in) Lug Tread
GROUND CLEARANCE	203 mm (8 in)	

SPEED AND PERFORMANCE (GRIZZLY BASE)

MAX. PAYLOAD	570 kg (1250 lb)	320 kg (700 lb)
RATED DRAWBAR	3100 N (700 lbf)	6230 N (1400 lbf)
MAX SPEED	5.3 m/s (11.8 mph)	2.3 m/s (5.1 mph)
MAXIMUM INCLINE	30° (60%)	

INTERFACING AND COMMUNICATION

CONTROL MODES	Grizzly: Direct voltage, wheel speed, and kinematic velocity. Arm: Position and velocity commands, MoveIt! inverse kinematics and motion planning.
FEEDBACK	Battery voltage, motor currents, wheel odometry, and control system output.
COMMUNICATION	Ethernet
DRIVERS AND APIs	ROS, Gazebo, RViz, MoveIt!, C++ interface available.

ENVIRONMENTAL

OPERATING AMBIENT TEMPERATURE	-10 to 30 °C (14 to 86 °F)
-------------------------------	----------------------------

Contact us today for pricing and a free 30 minute technical assessment: 1-800-301-3863