HEBI ROBOTICS

"Rosie"

Omni-Directional Mobile Base w/ 6-DoF Arm and Gripper

Rosie is a fully integrated mobile manipulation platform that is great for education and research.

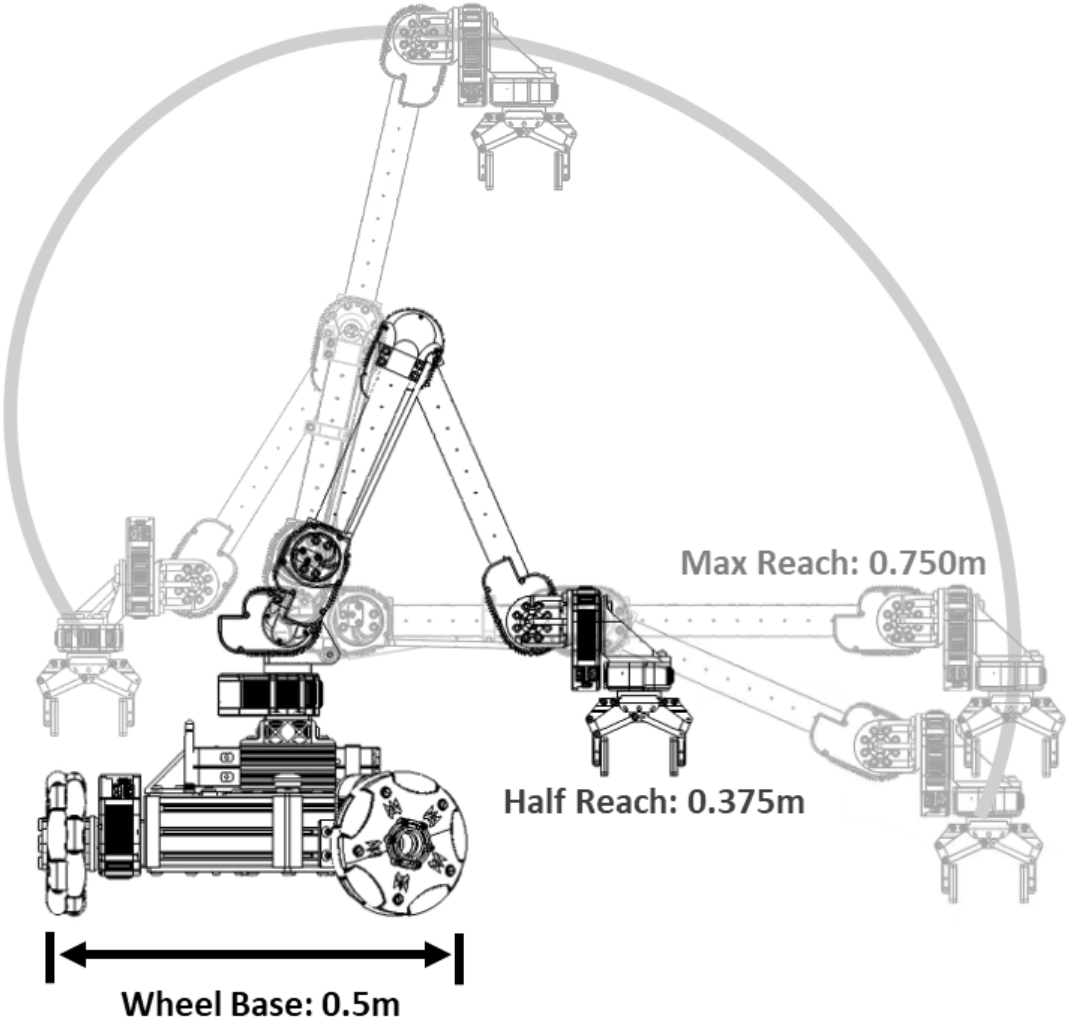
Weight	16.5 kg (with four batteries)
Linear Speed	0.5 meters per second (with X8-3s)
Batteries	Grin Technologies, LiGo Battery (Fits up to 4) 36V 2.7Ah, 98Watt*Hrs, 10A Max
Battery Life **(Using 2 Batteries)**	1-2 Hours Ability to hot-swap batteries for uninterrupted use
X-Series Actuators	HEBI Mounting Brackets and Wiring Included 3x X5-1 (Wrists) 1x X5-9 (Gripper) 3x X8-3 (Wheels) 2x X8-9 (Base and Elbow) 1x X8-16 (Shoulder)
Accessories	3x 6" Omni-Wheels 1x HEBI Parallel Gripper Assembly
Mechanical Interface	T-Slot Extrusion (80/20®) Easy integration of additional components or sensors
Integrated Electronics	Intel® NUC Computer Ethernet Switch Wireless Access Point Power Electronics
Bulkhead Connectors	1x HDMI to Computer Ethernet Port to Internal Switch 3x USB to Computer M-Stop Button 2x RF Antenna for Wireless Access Point Anderson Powerpole Power Connectors for Batteries Power Output for X-Series Actuator Additional Power Outputs for 5V, 12V, and 24V (5A each) Computer (White LED) and Actuator (Blue LED) Power Buttons
Software	Joystick Control with **HEBI Mobile I/O App** (iOS and Android) Example code currently available in MATLAB or ROS

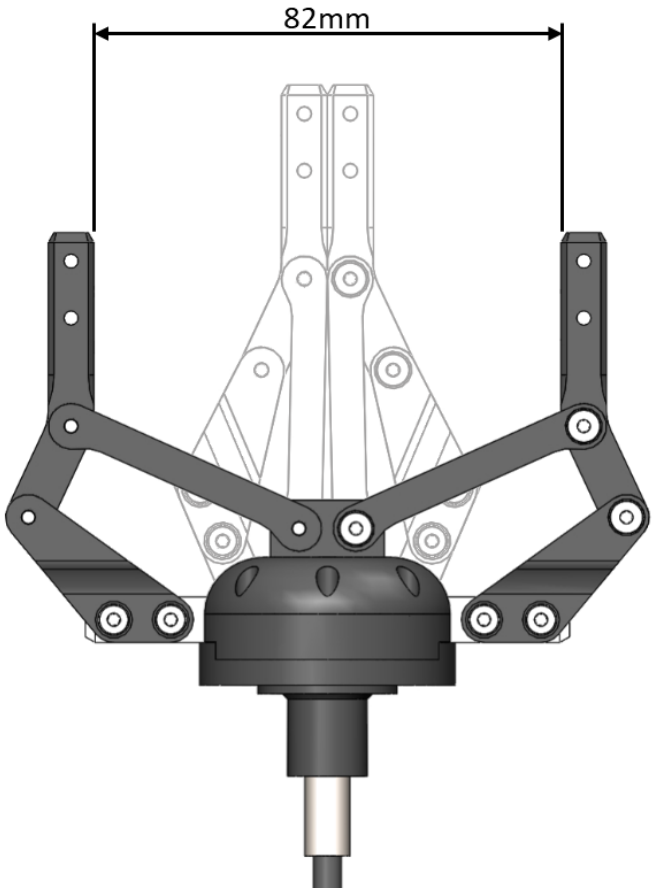
Request a quote at www.hebirobotics.com

Arm and Gripper Configuration

Arm Max Reach	750 mm	Gripper Max Finger Torque (X5-9)	1.1 Nm
Arm Payload @ Max Reach*	0.6 kg	Gripper Max Finger Force (50mm from Pivot)	23 N
Arm Half Reach	375 mm	Parallel Gripper Stroke Length	82 mm
Arm Payload @ Half Reach*	3.5 kg	Arm and Gripper configuration are customizable upon request	

* Payloads calculated with default 6-DoF Arm configuration and no gas spring*





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