



The Machine Lab Inc.  
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## MMP-40 Wheeled Mobile Robot Platform



<b>Length x Width x Height</b>	29" x 19" x 9"
<b>Weight</b>	40 lb.
<b>Payload</b>	30 lb. additional
<b>Body Style/Chassis</b>	Aluminum, black anodized
<b>Drive Type</b> Motor Details  Encoder Option  Wheel Details Steering Speed	6-Motor, 50 W each 24V Gearhead motors, all metal gears with custom secondary heavy duty gearboxes and axles. Steel gears with full ball bearings. Available with 500 CPR, 3-channel quadrature optical encoders.  9" Diameter fully pneumatic all-terrain tires. Tough lightweight Nylon rims. Tank steer, differential type, zero turning radius 4.0 ft./sec.
<b>Suspension</b>	Pneumatic Rubber Tires with inner tubes.
<b>Control</b> Motor Controllers (included) Controller details	Yes Custom High Current Motor drivers with thermal and over current protection. Motor drivers can be controlled with a standard Hobby-type PWM signal or with RS-232 serial control. Note: The built-in motor controller also has an on-board 5V, 1 Amp regulator that will power a Futaba radio receiver for PWM control or the RS-232 interface board for serial control. 6-50 Volt, 30 amp continuous
<b>Power</b> Battery (included) Battery details Run Time Charger Included	Yes 24 V NiCad Rechargeable, 7.2 Ah, of Approximately 2 hours continuous running Yes 24 V NiCad or 25.6V Li-Fe Universal Smart Charger
<b>Notes:</b>	MMP Robot platforms come fully assembled, wired and ready to run. All you have to provide is a control signal.
<b>Price:</b>	\$6,250.00 (Price is \$6,590.00 with encoders on all motors)

