



The Machine Lab Inc.
www.themachinelab.com
 infolab@themachinelab.com
 (970) 568-9812

MMP-40 Wheeled Mobile Robot Platform



Length x Width x Height	29" x 19" x 9"
Weight	40 lb.
Payload	30 lb. additional
Body Style/Chassis	Aluminum, black anodized
Drive Type 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.
Suspension	Pneumatic Rubber Tires with inner tubes.
Control 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
Power 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
Notes:	MMP Robot platforms come fully assembled, wired and ready to run. All you have to provide is a control signal.
Price:	\$6,250.00 (Price is \$6,590.00 with encoders on all motors)