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MMP-30 Wheeled Mobile Robot Platform



Length x Width x Height	21" x 19" x 9"
Weight	30 lb.
Payload	20 lb. additional
Body Style/Chassis	Aluminum, black anodized
Drive Type	4-Motor, 50 W each
Motor Details	24V Gearhead motors, all metal gears with custom secondary heavy duty gearboxes and axles. Steel gears with full ball bearings.
Encoder Option	Available with 500 CPR, 3-channel quadrature optical encoders.
Wheel Details	9" Diameter fully pneumatic all-terrain tires. Tough lightweight Nylon rims.
Steering	Tank steer, differential type, zero turning radius
Speed	4.0 ft./sec.
Suspension	Pneumatic Rubber Tires with inner tubes.
Control	
Motor Controllers (included)	Yes
Controller details	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)	Yes
Battery details	24 V NiCad Rechargeable, 7.2 Ah
Run Time	Approximately 2 hours continuous running
Charger Included	No
Recommended Charger	24 V 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	\$4,680.00 Std. (Price is \$5,130.00 with encoders on all motors)