



The Machine Lab Inc.  
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## MMP-40-HD Tracked Mobile Robot Platform with or without forward arm extensions.



<b>Length x Width x Height</b>	31" x 20" x 7.25"
<b>Weight</b>	50 lb.
<b>Payload</b>	40-60 lb. additional depending on terrain.
<b>Body Style/Chassis</b>	Aluminum, hard black anodized
<b>Drive Type</b> <b>Motor Details</b>  <b>Encoder Option</b>  <b>Wheel Details</b> <b>Idler roller assemblies</b>  <b>Track Details</b>  <b>Steering</b> <b>Speed</b> <b>Stair Climbing</b>	<b>4-Motor, 100W each</b> 24V Planetary right angle 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.  <b>7.25" Diameter UHMW drive sprockets for shock absorption.</b> <b>52 idler roller to distribute weight and smooth drive vibration for video equipment.</b> <b>Custom manufactured light weight and flexible rubber tracks with white paddle or black all-terrain tread patterns.</b> <b>Tank steer, differential type, zero turning radius</b> <b>3.2 ft./sec.</b> <b>Yes</b>
<b>Control</b> <b>Motor Controllers (included)</b> <b>Controller details</b>	<b>Yes</b> <b>Custom High Current Motor drivers with thermal and over current protection.</b> <b>Motor drivers can be controlled with a standard Hobby-type PWM signal or with RS-232 serial control. 12-50 Volt, 80 amp continuous per channel.</b>
<b>Power</b> <b>Battery (included)</b> <b>Battery details</b> <b>Battery box (optional)</b> <b>Run Time</b> <b>Charger Included</b>	<b>Yes</b> <b>24 V NiCad Rechargeable, 7.2 Ah</b> <b>External hinged aluminum battery box for hot-swapping batteries.</b> <b>Approximately 2 hours continuous running</b> <b>Yes, 24 V, 4 Amp Universal Smart Charger (Charge time of 2 hours)</b>
<b>Notes:</b>  <b>Price:</b>	<b>MMP Robot platforms come fully assembled, wired and ready to run. All you have to provide is a control signal. (Radio controllers also available pre-installed)</b> <b>\$8,050.00- \$9,670.00 depending on options.</b>