

20 Years in business



The MMP-15-Tac robot system has proven to be a rugged and reliable tool for first responders, EOD techs, SWAT teams and law enforcement. It is the most compact of the Machine Lab tactical robots with its low profile and the ability to carry 10 pounds of additional payload. It can also host an assortment of tactical accessories

MMP-15-Tac

Tactical Robot

KEEP IT SIMPLE, KEEP THEM SAFE



The Machine Lab prides itself in providing an unmatched price to performance ratio.



Applications:

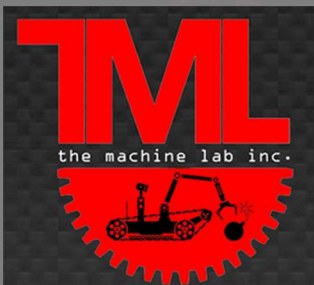
- EOD Operations
- Rescue
- First Response
- Surveillance
- Tactical Operations
- Inspection
- Hazmat



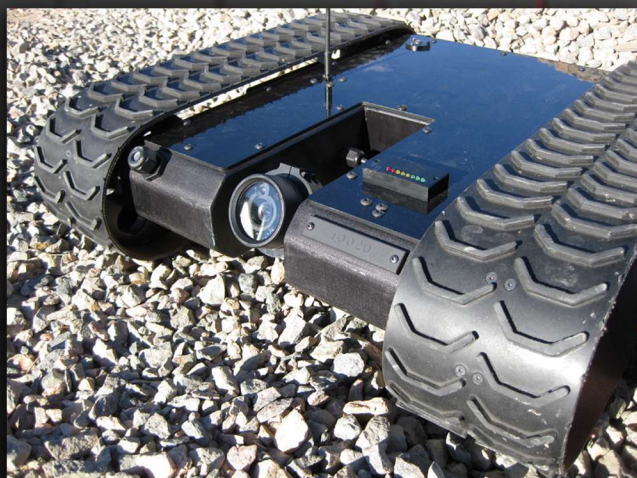
Optional accessories include a 4 axis manipulator arm, thermal camera, PTZ camera, drive camera, rear-facing camera, 2-way audio, remote detachable trailer, lights, and an assortment of gripper tools. (hook, box knife, doorknob-fingers and spreader) The robot is capable of operating in harsh conditions, and can be customized to perform a wide range of tasks.

Phone - (970) 568-9812
Email - info@themachinelab.com

The Machine Lab, Inc.
www.themachinelab.com



MMP-15-Tac Tactical Robot



Size	19" L x 17" W x 5.75H
Weight	15 pounds with battery
Payload	15 pounds additional
Drive Type	- 2 or 4 Motor drive, DC brushed planetary gearmotors with dual quadrature encoders. - Tracked tank steering, climbs 40 deg. inclines. - Custom manufactured rubber tracks with aggressive mini-chevron paddle. - Reliable in all indoor and outdoor terrain including sand, gravel, snow, concrete and carpet.
Speed	- 5 ft/sec (3.4 MPH)
Electronics Box Motor Controller Control Protocol Encoders Power Distribution Connectors External Charge Jack Fuel Gage	- Sealed waterproof enclosure with removable lid. - Dual Channel 25 Amp fully proportional speed control with encoder feedback inputs. - Hobby-type PWM, Analog potentiometer 0-5V, RS-232, Packetized RS-232 Serial, USB - Dual quadrature optical encoders - Regulated outputs for 5V and 12V, 3 amps each. - High quality screw on type multi-pin Woodhead connectors/cables, comes with mating cables. - Easy access external charge jack and power switch with protective shroud. - External 8 segment LED battery fuel gage.
Robot Details	- Water resistant, dust resistant - Easy swap rear battery compartment, no tools necessary - All electronics modularized and field replaceable - Aluminum chassis - Recessed front cut out ideal for a tilt camera or sensors that need protection
Battery Details	- 25.6V LiFePO4, 6.4 Ah - LiFePO4 is a very robust and safe battery chemistry - 1 battery included
Run Time	- Approximately 2 hours. Terrain dependent
Battery Charger	- 25.6V Smart charger included.
Additional accessories	80/20 rail system for mounting electronics, laptops, sensors, mechanical components. Futaba 6 channel radio controller

