

EOD

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HEAVY ROBOT

TA01035



PRODUCT DESCRIPTION

The Heavy Robot is intended for combat operations in difficult terrain. Its capacity to reach high speeds, making fluid movements with the help of its built-in precision driving system and a number of other advanced features allow this next generation device to carry out a large variety of battlefield actions that would otherwise have to be carried out by soldiers endangering their lives in the process.



*Image is for illustration purposes only

FEATURES

- Reaches speeds of up to 10 km/h
- Mobile platform with six-wheel drive
- Each wheel powered by independent drive
- Front axis can move independently from robot's platform (up-down) with the option to block axis by operator
- Wheel arms used in robot's suspension providing excellent grip even in difficult terrain.
- Huge lifting capacity (15 kg– unfolded arm; 50 kg - folded arm).
- Over 3m range of manipulator with gripper attached
- Option of remote control operation with fiber optic cable.
- Control system enables independent and simultaneous steering of every drive
- Auto diagnostic system detects all faults and projects text announcements on LCD monitor
- Robot is compatible with different additional equipment: pyrotechnical disrupters, automatic shotguns, chemical and radioactive contamination sensors, bus bar for remote detonation of explosives, barbed wire cutters, drills, recording devices and weaponry of every caliber

ONE STOP SHOP

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TECHNICAL DATA:

No	Parameter	Value
1	Mass	350 kg
2	Width	890 mm
3	Length	1350 mm
4	Height	1100 mm (considering folded arms and antennas)
5	Maximum speed	10 km/h
6	Number of degrees of freedom	7
7	Manipulator base rotation range	400°
8	Lower arm rotation range	220°
9	Upper arm rotation range	220°
10	Telescopic arm linear motion	0,5 m
11	Wrist rotation range	220°
12	Gripper jaws rotation range	infinite
13	Gripper jaws opening range	0-360 mm
14	Manipulator's maximum lift	50 kg
15	Manipulator maximum reach	3150 mm
16	Operator's control panel weight	15 kg
17	Control system	radio/fibre optic cable
18	Maximum battery operation time	In excess of 4+ hours mission dependent
19	Maximum range (open area)	to 1000 meters