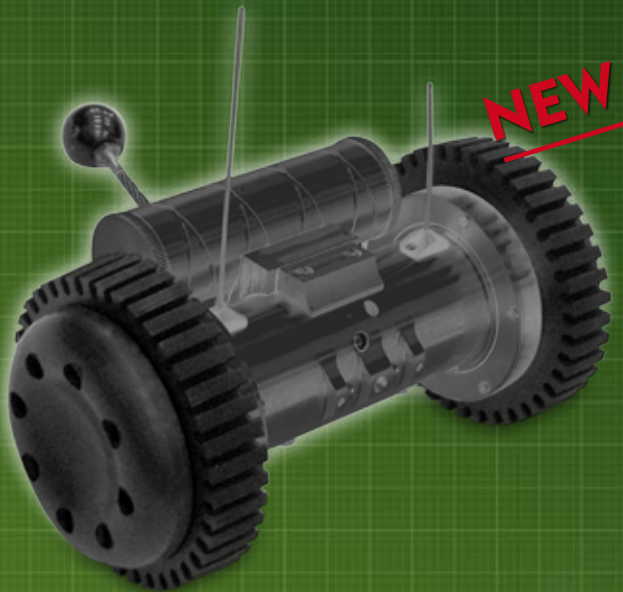


TRM – Tactical Throwable Robot



TRM is a small, robotic device designed for delivering support in applications aiding in anti-terrorist operations. The TRM has been created in response to the threats experienced during the area reconnaissance carried out by special forces units before engaging into action.

The TRM is composed of a pipe-shaped body which houses a camera and a microphone. The drive capability is supplied by two elastic, rubber wheels which are located on each side of the robot.

The TRM can be thrown into a structure or into the area of operation into open ground from a significant distance and steered by remote control in order to perform an inspection of the area. The TRM's construction is designed to withstand impact from a high altitude.

The TRM may be equipped with additional supporting devices such as: flash, bang or explosive charges as well as additional light sources for the camera. This allows for the TRM's use in neutralizing of explosive charges by pyrotechnical / sapper units or creating of a distraction and panic among the enemy attackers. The TRM may also be used by firefighters in order to search for victims of fires in smoke-filled areas.

Technical Data of the Tactical Throwable Robot:

No	Parameter	Value
1	Robot weight in its basic version	1,3 kg
2	Additional load weight	0,16 kg
3	Maximum speed	3,3 km/h
4	Maximum angle of surmountable slope	25 degrees
5	Robot throwing distance	15 – 20 m
6	Height of throw	< 9 m
7	Robot range within buildings	30 – 100 m
8	Robot range in open areas	120 – 150 m
9	Basic equipment	Camera, microphone
10	Radio transmission	Telemetry - wave: 34 cm
		Video-wave: 13 cm
11	Materials used in robot's composition	Duralumin alloys, rubber, steel
12	Weight of operator's control unit	7 kg
13	Robot's working time	1 h
14	Operator's control unit working time	2 h
15	Maximum number of controlled devices	3