MTGR™

System Accessories

Powered by Roboteam

Elbit Systems™

C⁴I and Cyber

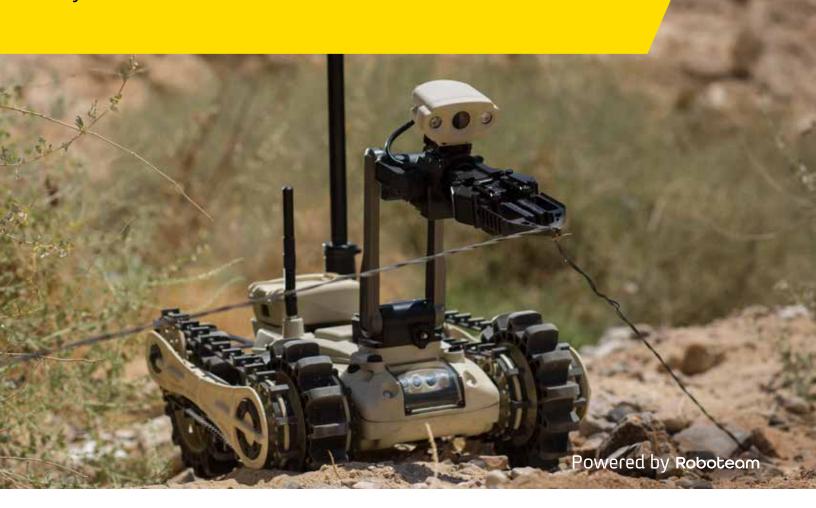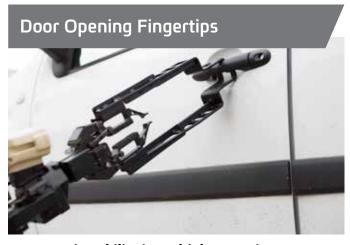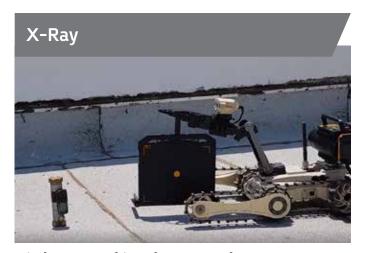# MTGR

System Accessories

Wire Cutter

Fast mounting wire cutting tool

The Roboteam wire cutter system allows for easy and intuitive cutting of various metallic wires up to 14-gauge width. The wire cutter is easily assembled with an adapter that attaches to the MTGR's manipulator grippers.

Door Opening Fingertips

Door opening ability in multiply scenarios

The Roboteam fingertips system mimics the natural knob/handle turning motion typical of a human hand to allow the end-user to easily open doors with the manipulator. This accessory also extends the reach of the manipulator by approximately 30 cm.

X-Ray

Wireless X-ray object detector explorer

MTGR with X-ray capabilities reduces risks to the operating forces by detecting and exploring objects with high precision in real-time. The X-ray is designed for NDT radiography applications, suitable for all terrain and weather conditions.

Charging Case

4-battery simultaneous charger

System readiness, fast deployment and intensive training. Suitable for Roboteam 24v batteries, charging time for all 4 batteries is 2.5 hours.
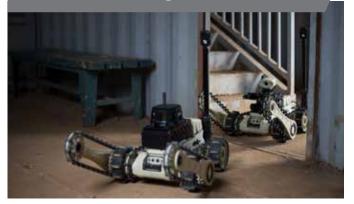
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Follow us on

Autonomous Navigation Module

3D Mapping with "Follow Me" capability

The Mapping and Follow Me operational modes enable semi-autonomous navigation of the MTGR, giving the end-user hands-free control of the unit. In addition, the Mapping Head can map its environment in real-time for optimal situational awareness in any mission.

Ground Wire Exposer

Ability to revel hidden threats in the ground

The Ground Wire Exposer allows the end-user to detect and expose hidden wires in various terrains, such as sand or rocky ground. This accessory can be easily assembled onto the Picatinny adaptor, which attaches to the MTGR's manipulator grippers.

Speaker

Ruggedized & IP65 voice message transferring device

The speaker accessory is a IP65 certified quick-assembly speaker that enables the operator to engage with the "other side" of the operation without getting near the danger zone. The MTGR with the speaker provides bedirectional communication.

Activation Circuit

Wireless safety initiator

The Roboteam Activation Circuit allows for the safe firing/initiation of any remote device, such as disruptor or breaching device. The dedicated software enables the end-user to first position the robot, aim the device, activate a safe arming sequence and commence activation within 30 seconds.

Add-On Observation Head

High quality thermal & zoom camera for ISR missions

The Add-On HD Observation Head can carry both a thermal image sensor camera and a high-resolution day and night camera. The system can detect a person at 1100m (3100m for a vehicle). The Observation Head is placed on top of the manipulator arm, integrating fully with the MTGR system to ensure the success of intelligence gathering missions.
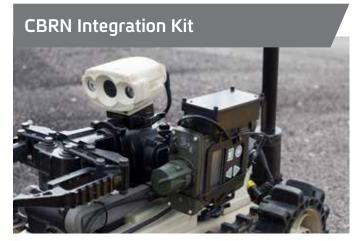
Breadcrumb

Lightweight relay with MESH network communication

The Roboteam "Breadcrumb" Relay Unit is a dedicated RF relay mechanism using sophisticated MESH networking that automatically relays an RF signal to any robot in the desired area.

Mast Camera

Improve vantage point

The Mast Camera improves the operator's vantage point and perspective of the area inspected.

CBRN Integration Kit

Real-time alerts and notifications for hazardous materials detection on the control unit

The CBRN Integration Kit is suitable for the JCAD sensor and allows for long-range, stand-off detection of chemical warfare agents and toxic industrial chemical detection, all from the lightweight MTGR platform.