

Carpet™

Minefield Clearing and IED Neutralization/Detonation System



Benefits

- High clearing efficiency
- Operational in all types of terrain
- Operational flexibility: manual, semi- and fully-automatic modes
- Fully qualified and operational with the Israel Defense Forces and the French army
- Safe system for the crew

Minefield Clearing and IED Neutralization

The Carpet is a modern minefield clearing and IED neutralization system that can clear a path of 100 meters in a minefield with high mine clearance efficiency and can neutralize all types of IED's

In order to achieve maximum crew survivability, the system is operated by two soldiers from within the vehicle compartment.

Easily Assembled Launcher

The Carpet system consists of a launcher that contains 20 rockets equipped with FAE (Fuel-Air-Explosive) warheads. The launcher is an autonomous add-on kit that can be assembled easily and quickly in the field onto any main battle vehicle or suitable military vehicle. The system is self contained, with no hydraulic power

required from the host vehicle. The system needs only 24V-28V power.

The Carpet is the most efficient system for minefield clearing and IED neutralization/detonation in any terrain and in all weather conditions, while maintaining crew safety.



Technical Specifications

Launcher (MBT mounted option)	Total weight (fully loaded) : 3.05 tons Launcher dimension (including mounting frame): 3.0m X 2.0m X 1.32m Rocket pod dimensions: 0.92m X 1.32m X 2.4m Mounting frame dimensions: 3m X 1m
Rocket dimensions & weight	Weight: 46 kg Length: 1390 mm Outer diameter: 265 mm Fin span: 350 mm Firing range: 65-165 m Firing modes: Automatic, semi-automatic and Single-shot
Launcher installation options	Mounted on the rear of a vehicle (easily transferred from vehicle to vehicle) Towed behind an APC Installation inside an APC

Operational Characteristics

- Main Control Unit (MCU) controls firing and self testing from within the cabin
- Cleared path is marked with rocket fins
- No prior operation is required
- Takes only one minute to clear the mine field
- Quick reloading in battlefield conditions
- Crew practice is enabled with training rockets



RAFAEL 
 ADVANCED DEFENSE SYSTEMS LTD.

Ordnance and Protection Division
 Tel: (972)4-879-2333 Fax: (972)4-879-4557
 E-mail: esdmrkt@rafael.co.il
 HQ Tel: (972)4-879-4714 Fax: (972)4-879-4657
 E-mail:intl-mkt@rafael.co.il www.rafael.co.il