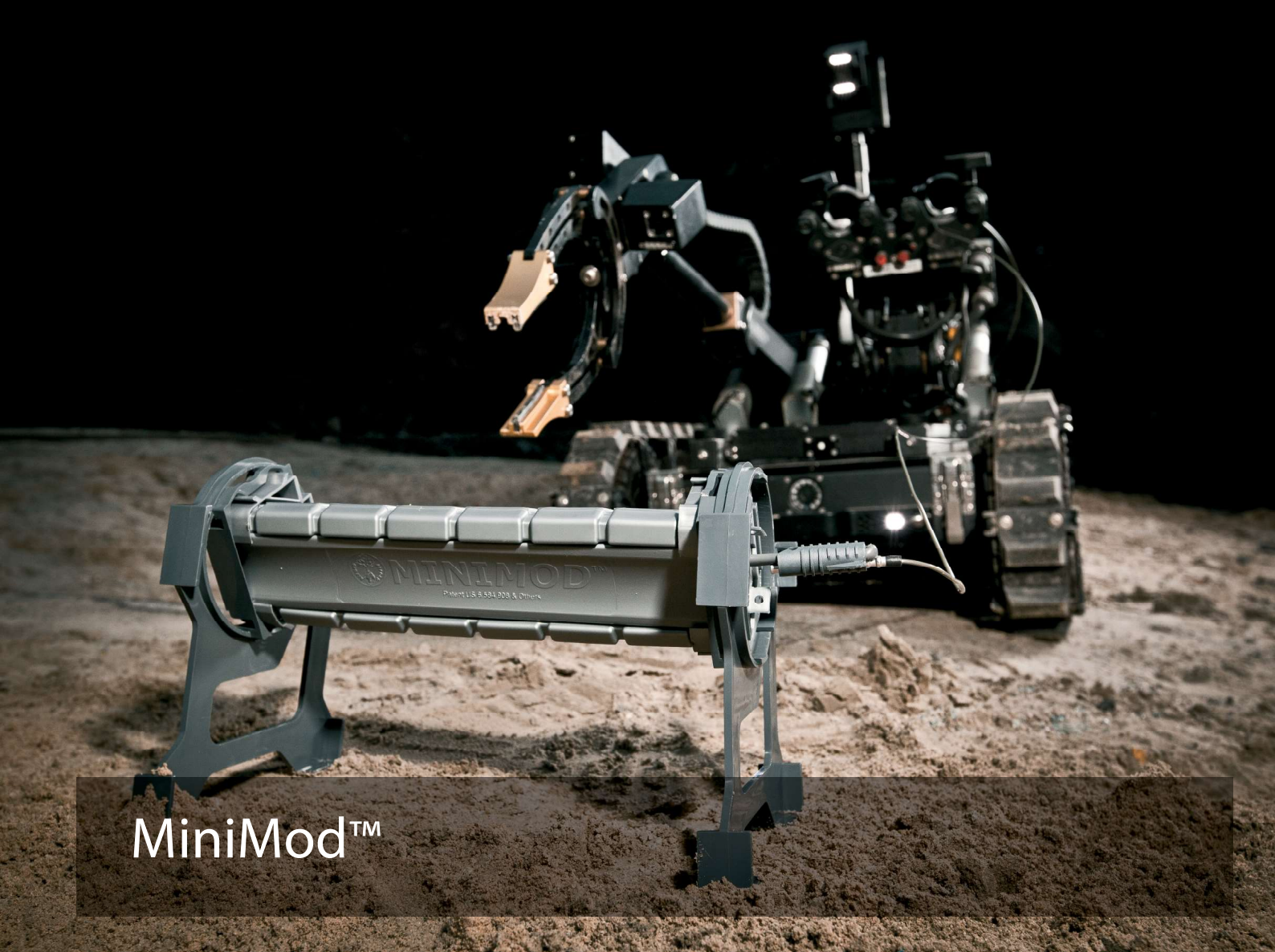




MiniMod™

The MiniMod™ is a lightweight, explosively driven, water disruptor which is used against small to medium sized IEDs. MiniMod™ is a versatile charge: it can also be used to remove the concrete cladding from suspected roadside IEDs consisting of a projectile clad in concrete. It has also been shown to disrupt IEDs placed inside animal carcasses or in booby trapped equipment. With a heavy explosive load, MiniMod™ is capable of disrupting IEDs in steel fire extinguishers or barrels.

MiniMod™ can also be used in breaching as an injector of irritant such as CS or pepper. A charge placed against a window or a thin door instantly injects 0.2 litres of liquid containing irritant, immediately incapacitating the occupants of the room.

Each charge consists of two containers, a tamper and a projectile which are fitted together with the explosive charge sandwiched between them. End-caps urge the two containers together. These end-caps also have grooves to allow multiple charges to be joined side-by-side or end-to-end allowing the size to be adjusted according to the target.

Features include:

- > Patented technology based on the same engineering principle as the renowned BootBanger™ & MLVD™
- > Each charge weighs less than 1kg when loaded
- > Multiple applications - C-IED/breaching/irritant injector
- > Minimal fragmentation & focused explosive power

Performance

The MiniMod™ produces a blade-like jet of water. Since this is much wider than a point focal jet it has a higher probability of striking and destroying the initiation system of a target whose location is not precisely known. A charge which produces a point focal jet such as the Vulcan™ or Pluton™ can be used on devices where pinpoint accuracy is required.

Deployment

MiniMod™ can be deployed by remotely-operated vehicle (ROV), carried in the jaws of the robot and positioned. Or the charge can be placed by hand and attached to the target using Breacher's Tape™ or Hydro Tape™ (depending upon the type of surface it is being stuck to). MiniMod™ can also be deployed on a Rover Stand™ which stabilises the charge on four legs, and allows it to be rotated allowing for the charge to be precisely directed at the target.

Safety

No metal is used in the construction of the MiniMod™ so few dangerous fragments are projected. The explosive is contained by water on all sides. This arrangement provides tamping for the explosive, lowers the overpressure and causes a higher proportion of the explosive energy to be imparted to the target structure. The water also suppresses the flash of the explosive. This method of disruption is much less dangerous and damaging in use than barrel disruptors which constitute heavy projectiles if allowed to recoil without control.

Special Forces (SF)

MiniMod™ can be provided without any branding and produced in a discrete grey colour for Special Forces use.

Specifications

The explosive load is variable, but a typical load using 10g/m detonating cord as the propellant is 20g & using 2mm sheet explosive is 40g.
US Patent 6,584,908 & others.

Dimensions	300 x 85 x 60mm (13 x 3½ x 2½ in)
Weight Empty	0.18kg
Weight Full	0.8kg
Total Water Content	0.65 litres
Volume of projected water	0.2 litres
NEQ Range	50g single layer of SX2 9g for 10g/m detcord (3 strands)
Colour	Metallic silver. Also available in Special Forces Grey.



Other products to consider:

DemiMod™ - for small IEDs

QMod™ & MajorMod™ - for medium to large sized IEDs

MLVD™ - for large vehicle IEDs

Breacher's Boot™ & Mini Breacher's Boot™ - for small to medium breaching tasks

Vulcan™ & Pluton™ - for point-focal disruption

For further information

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