

MANTIS-MK5A EOD BOMB DISPOSAL SUIT



ST-MK5AEOD



AVAILABLE SIZES

S - L

AVAILABLE COLOURS



PRODUCT OVERVIEW

A contemporary Bomb Disposal Suit which is used worldwide, both in armed forces service and with diverse government internal security agencies as well as prominent high profile Non-Governmental Organisations (NGOs) e.g. The United Nations.

Designed from the outset to be 3E (Economic, Efficient & Effective) compliant, the MANTIS arguably provides the best value and the highest level of protection of any comparable bomb suit currently manufactured. The ballistic levels and materials used in the various components of the MANTIS EOD Bomb Disposal Suit have been tested and evaluated to the internationally recognised Standard NATO (North Atlantic Treaty Organisation) Agreement (STANAG) 2920 by which all ballistic apparel is judged today.

FEATURES

- All the ballistic inserts used in the MANTIS EOD Bomb Disposal Suit are made of waterproof treated Kevlar HT
- Inserts are enclosed in a special water-resistant and anti-ultraviolet light membrane
- Outer cover is made of flame-retardant NOMEX III.
- In hot and humid countries, the MANTIS EOD Bomb Disposal Suit can be supplied in conjunction with the Cooling Suit

CONTINUED ON NEXT PAGE

MANTIS-MK5A EOD BOMB DISPOSAL SUIT



ST-MK5AEOD

HELMET

Made of a GRP skin with an elastomeric aramid core and is fully adjustable to fit various sizes for a perfect fit by means of the three-point suspension harness and the removable spacer pads that Velcro to the inside. The addition of an anti-blast throat guard to the bottom front of the helmet, known as a beard, closes any possible frontal gap between the helmet and the collar. The helmet incorporates a very powerful variable speed fan that can deliver a forced airflow of up to 200 litres per minute, ensuring maximum cooling comfort for the operator. Speakers for monitoring communication and ambient "surround" sound, plus a microphone are contained within the helmet and an automatic ambient sound facility cuts out any noise above 70 decibels. All the helmet functions are regulated and adjusted by the Remote Controller.



JACKET

The MANTIS EOD Bomb Disposal Suit's jacket is long-sleeved, with molle strips at the bottom of each sleeve to accommodate additional tools. The jacket is side-opening and contains flexible Kevlar Armour. Provision is made on the front for the attachment of rigid neck, chest and groin protector blast plates by means of webbing security straps and Velcro. The high collar provides overlap protection to the helmet and visor. Immediate removal of the jacket and blast plates is achieved by use of the quick release straps attached to the side and shoulder.

TROUSERS

The MANTIS EOD Bomb Disposal Suit's trousers contain flexible Kevlar armour and have fully adjustable supporting braces and wide Velcro waistband catering for small, medium and large sizes. The knees are reinforced with heavy duty kneeling pads. The articulated groin protector blast plate is attached by a flexible webbing strap.

CONTINUED ON NEXT PAGE

MANTIS-MK5A EOD BOMB DISPOSAL SUIT



ST-MK5AEOD



ARMoured BLAST PLATES

Three separate Armoured Blast Plates covering neck, chest and groin, are incorporated in one carrier that attaches to the front of the MANTIS Bomb Suit by means of a webbing harness over the shoulders and by a strap on the bottom that passes through the legs and attaches to the back of the trouser waistband. This is elasticated to allow for the groin blast plate to angle forwards when the operator is in a kneeling position.

COMMUNICATIONS

The remote controller has an external plug into which an optional hardwire communications system can be plugged. This hard-wired communication system option consists of 100m of wire supplied on a heavy-duty reel connecting to a base station from which full duplex communications can be maintained with the operator. Alternatively, a VHF or UHF radio transceiver, for which a pocket is provided on the right-hand sleeve, can be plugged into the remote controller via an optional patch cord. If the radio system has a "vox" facility, the remote controller can be modified to ensure the helmet electronics are compatible.

REMOTE CONTROLLER

This is mounted on the front of the smock. It is designed to be simple and easy to use. The MANTIS remote controller requires no visual referral, the operator simply memorising the position of the three controls and locating and manipulating them by touch.

CONTINUED ON NEXT PAGE

MANTIS-MK5A EOD BOMB DISPOSAL SUIT



ST-MK5AEOD



SPECIFICATIONS

| | |
|-----------------------|--------------------------------|
| Helmet weight: | 4.7 Kg |
| Suit weight: | 15 Kg without blast plates |
| Suit weight: | 29 Kg with blast plates |
| Helmet HS Code: | 6506 10 80 |
| Suit HS Code: | 6211 33 10 |
| Delivery (2 x Boxes): | Box 1 1104 x 55 x 31cm @ 31 Kg |
| | Box 2 61 x 41 x 37cm @ 17 Kg |

PROTECTION

| STANAG 2920 Test Results SDMS MANTIS EOD Bomb Disposal Suit | |
|---|---------|
| Soft armour components | V50 m/s |
| Helmet | 600 |
| Visor | 720 |
| Throat Protector - Beard | 450 |
| Collar Front | 600 |
| Collar Centre | 600 |
| Collar Back | 550 |
| Smock Front | 600 |
| Smock Back | 550 |
| Arms Front | 550 |
| Arms Back | 550 |
| Hand Covers | 450 |
| Boot Covers | 450 |
| Groin Protector | 450 |
| Trousers & Thigh Guard Front | 550 |
| Trousers & Shin Guard Front | 550 |
| Trousers Back | 550 |
| Hard armour components | V0 m/s |
| Blast plates | 1600 |