



First Choice for Protection



DEMINING



EOD / IEDD



SECURITY



General Catalogue





## Company Profile

Force Ware GmbH was founded in March 1999 by Gerhard Vallon, the president of Vallon GmbH, one of the leading manufacturers of professional mine detectors and bomb locators.

Important customers worldwide and their demands in the security field together with the long-lasting experience of Mr. Gerhard Vallon and his staff encouraged him to found a company, which provides highly sophisticated equipment for different tasks:

- Demining
- EOD / IEDD
- Security

Force Ware has been a well-known supplier from the beginning.







DEMINING

EOD / IEDD

SECURITY

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DEMINING

Deminers'  
First Choice





## Mine Protection Suit MPS

Article No. Small: 1020007-02

Article No. Large: 1020007-04



The MPS family has been designed with input from some of the major demining organizations and companies. It consists of several layers of Aramid, which is especially designed for protection against fragments of exploding mines.

- Modular system: usable as complete suit with arms and legs protectors or apron only
- Lightweight and comfortable to wear
- Protection level  $v_{50} = 450$  m/s according to STANAG 2920
- Hygienic, washable outer cover
- Suitable for operations in tropical areas
- Two sizes available
  - Small (= XXS - S) for body height up to 170 cm
  - Large (= M - XXL) for body height over 170 cm
- Different colours available
- Detachable pouch for tools and accessories
- Weight approx. 4.5 kg (size Large)



Visor not included



## Mine Protection Suit MPS2

Article No. Small: 1020027-01

Article No. Large: 1020027-02

The MPS family has been designed with input from some of the major demining organizations and companies. It consists of several layers of Aramid, which is especially designed for protection against fragments of exploding mines.

- Modular system: usable as complete suit with arms and legs protectors or apron only
- Lightweight and comfortable to wear
- Protection level  $v_{50} = 450$  m/s according to STANAG 2920  
(higher protection level on request)
- Hygienic, washable outer cover
- Suitable for operations in tropical areas
- Two sizes available
  - Small (= XXS - S) for body height up to 170 cm
  - Large (= M - XXL) for body height over 170 cm
- Different colours available
- Detachable pouch for tools and accessories
- Full arm and additional hand protection
- Strap Fasteners for prodders at legs
- Weight approx. 6 kg (size Large)



Visor not included



## Mine Protection Suit MPS4

Article No.: 1020047

The MPS4 mine clearance and search suit is extremely versatile and comfortable, designed to be worn by personnel who have to look for EOD/IED devices and anti personnel mines. The suits comes with a PASGT ballistic helmet fitted with a fragmentation face shield.

- Full body protection including back, front, side, neck, under arm, lower groin
- Protection levels according to STANAG 2920

Suit: v50 = 450 m/s.

Helmet: v50 = 650 m/s

Visor: v50 = 250 m/s

Other levels on request

- Additional hard armour plates for enhanced protection optionally available; possible protection levels:

NIJ III (Article No.: 1020047-05)

NIJ IV (Article No.: 1020047-06)

- Very versatile and comfortable to wear
- Nomex® outer cover flame resistant and washable
- Full size range S, M, L and XL
- Different colours available
- Weight approx. 11.5 kg, depending on size



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## Demining Apron

Article No. : 1020012

- Lightweight and comfortable to wear
- Protection level  $v_{50} = 450$  m/s according to STANAG 2920
- Hygienic, washable outer cover
- Suitable for operations in tropical areas
- One size fits all
- Detachable pouch for tools and accessories
- Colours UN blue and Navy blue
- Weight approx. 4 kg



Visor not included





## Demining Apron Aquila

Article No.: 1020006

- Lightweight and comfortable to wear
- Protection level  $v_{50} = 450$  m/s according to STANAG 2920
- Extended tailored protection over the deminer's frontal thighs while still being comfortable to walk and kneel in
- Hygienic, washable outer cover
- Suitable for operations in tropical areas
- Three sizes S, M, L
- Detachable pouch for tools and accessories
- Colours UN blue and Navy blue
- Weight approx. 3.8 kg

Visor not included





## Fire Retardant Underwear FRU

Article No. : 1310005-XX

Underwear made of Nomex® Comfort ProFire®

FRU100: Quality 12660 (approx. 100 g/m<sup>2</sup>) for warm climates

FRU170: Quality 21496 (approx. 170 g/m<sup>2</sup>) for moderate climates

FRU210: Quality 22496 (approx. 210 g/m<sup>2</sup>) for cool climates

- Shirt with long sleeves and round neck
- Pigment dyed for reasons of high fastness towards light, washing, perspiration, acidic and alkaline as well towards rubbing (dry and wet).
- Colours green, navy blue, black
- Tested and certified according EN 11612:2008: Code A1, B1, C1
- Permanent flame retardant properties
- Hydrophilic modification for maximum moisture transport and therefore fastest sweat transport from the skin to the outer layer of the clothing system.
- Antibacterial properties to avoid the increase of odour bacteria, reduction of bacteria > 99% according to ASTM E 2149-01
- Permanent antistatic behaviour according EN 1149-3 and EN 1149-5
- Certified according to Oeko-Tex standard 100, product class II (direct skin contact)



FRU100 Green





FRU210 Navy



FRU170 Navy



## Demining Visor DV

Article No.: 1020002



- Comfortable head frame, convenient to wear
- Material visor 5 mm PC
- Fullfills IMAS 10.30,  $v_{50} > 250$  m/s
- Scratch Shield
- Whole face protection
- Weight approx. 1 kg



## Demining Helmet with Visor DHV6.4

Article No.: 1020164



- Chinstrap with quick release catch, convenient to wear
- Material helmet Aramid, visor 6.4 mm PC
- Whole face protection
- Protection level
  - Visor: Fulfills IMAS 10.30,  $v_{50} > 250$  m/s (STANAG 2920)
  - Helmet:  $v_{50} = 650$  m/s (STANAG 2920)
- Excellent shock absorption
- Different sizes available (S, M, L, XL)
- Different colours available (black, green, sand, navy blue, UN blue)
- Weight approx. 2 kg (size M)

## Demining Boot BCB1

Article No.: 1180002

- Demining in kneeling position possible
- Blast and fragment protection
- Resistant against many AP mines (test report available)
- Convenient to wear in all climates
- Available in different sizes, colours and designs



## Demining Glove MPG

Article No. Small: 1020015-01

Article No. Large: 1020015-02

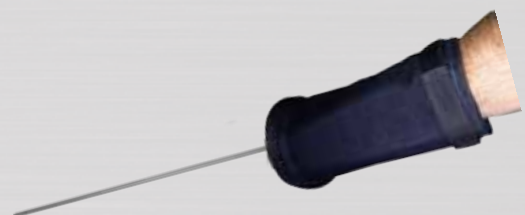
- Ballistic protection consists of several layers of Aramid®
- Very light, comfortable to wear
- Hygienic, washable outer cover
- Suitable for operations in tropical areas
- Two sizes available  
Small = XXS-S  
Large = M-XXL
- Different colours available (green, black, UN blue, Navy blue)
- Protection level according to STANAG 2920  $v_{50} = 450$  m/s.



## Prodding Hand Protector PHP

Article No.: 1020030

- Ballistic protection consists of several layers of Aramid®
- Very light, comfortable to wear
- Hygienic, washable outer cover
- Different colours available (green, black, UN blue, Navy blue)
- Protection level according to STANAG 2920  $v_{50} = 450$  m/s.







## Mine Warning Signs

Article No.: 1060017

- Customized languages available
- Lightweight
- Durable
- Made of correx (reinforced corrugated plastic)
- Standard size: 25 x 25 cm



## Mine Warning Tape

Article No.: 1060006

- Multilingual
- red & white
- Roll of 500 m
- Width: 8 cm
- Very high breaking strength
- UV resistant
- Temperature resistant
- Customer specific layouts upon request



MINAS MINE  
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## Bomb Protection Suit

Article No.: 1100400



The Bomb Protection Suit is a complete EOD ensemble and combines superior protection against fragments, detonation, pressure, burns and acid burns with maximum flexibility and comfort.

### Features

- Protection level  $v_{50} = 450$  to 1900 m/s according to STANAG 2920, 10 kg C4 at 3 m
- Zoned armour system
- Integral groin/lower abdomen protector
- Three part blast plates for increased protection to neck, chest & groin
- High performance helmet with visor, integral ventilation and communications
- Two part knee joints for maximum flexibility and manoeuvrability.
- Different sizes (S-XL) and colours (e.g. dark blue, olive green, black, sand and grey) are available.
- Weight approx.: suit 26 kg, helmet 4.9 kg

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## Features Helmet

- Protection level  $v_{50}$  helmet = 700 m/s, visor = 750 m/s (STANAG 2920)
- Integrated helmet mounted demisting fan with self contained, rechargeable power pack providing air movement greater than 170 l/min (air flow is directed to wearers forehead and visor, to reduce perspiration and build up of humidity in warmer climates. Fan speed adjustable from 10-100%)
- RD40 Military Standard Grade particulate and vapour filter fitted. Filter is replaceable without the use of tools.
- High Intensity LED torchlight beam fitted above visor, with adjustable beam height and self contained batteries
- Removable, washable head liners fitted for wearers wearer comfort and hygiene
- Helmets come complete with a helmet padding accessory system for custom fitting of helmets for each wearer

## Closed Face Helmet



- Helmet fitted headphones and microphone for communication with supervisor using USI noise cancelling VOX or PTT communication systems. (Communication systems may be wireless or wired).
- No wires or hoses necessary between helmet and bomb suit.



Bomb protection Suit BSP blast test with 10 kg C4 at 3 m



## Videoscope iRis MIL

Article No.: 1190075

The iRis MIL Intelligent Remote Inspection System - extremely compact dimensions, minimal weight and optimal handling are the outstanding attributes of the iRis MIL Videoscope System. Inspections in remote or inaccessible areas of the harsh environments now are feasible in no time and with an undreamed easiness. Only little efforts and iRis MIL is ready for use within seconds. You can move the distal end to any desired position fast, easy and precisely, thanks to the approved tactile 4-way articulation of up to 360°. Adjustable and interchangeable objectives with different fields of view, f-stops and working distances as well as the high brightness of the LED light source guarantee, that you don't miss any detail on the 5" high resolution TFT display.



## XplusSecurity 2520

Article No.: 1500001

XplusSecurity is a PC based image enhancement and processing system with extensive archiving possibilities especially developed for police and military missions.

The flat panel detector system, for example, transmits the X-ray image via radio data transmission from the remote controlled manipulator to the control desk. The transmission of the X-ray image only takes a few moments and the perceptibility of details is remarkable.

Panel Size 25 x 20 cm.



## XplusSecurity 4336

Article No.: 1500003

XplusSecurity is a PC based image enhancement and processing system with extensive archiving possibilities especially developed for police and military missions.

The flat panel detector system, for example, transmits the X-ray image via radio data transmission from the remote controlled manipulator to the control desk. The transmission of the X-ray image only takes a few moments and the perceptibility of details is remarkable.

Panel Size 43 x 36 cm.





## Backpack Jammer System

Article No.: 1250150

This lightweight jamming system enables the operator to swiftly program the unit using a Windows®-based laptop or USB stick or using the integrated Hot Switch to instantly swap between two preset jamming configurations.

Hexacore Jamming System

20-500 MHz digitally programmable

GSM 800/900/1800 + 3G + Wi-Fi + DECT

Remote Control

Tactical timer

1h operation time

Ruggedized

## Compact Jammer System

Article No.: 1250160

This compact jamming system enables the operator to swiftly program the unit using a Windows®-based laptop or USB stick, to adapt to any given threat scenario. The unit is heavily ruggedized and can be deployed easily, using a small-sized robot, in even very limited spaces.

Hexacore Jamming System

20-500 MHz digitally programmable

GSM 800/900/1800 + 3G + Wi-Fi + DECT

Remote Control

Tactical timer

1h operation time

Ruggedized



The Force Ware jammers were developed for small tactical units and EOD teams, which require flexibility and agility in the field.

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## Hook and Line Kit 1

Article No.: 1550010



A basic kit for standard applications. The lightweight kit includes a 120 m kevlar rope on a metal reel and a robust cordura carrying case.

## Hook and Line Kit 2

Article No.: 1550020



This sophisticated kit comes with several self-gripping tools for more advanced applications. The suction pads are very helpful when working on plane surfaces like metal or glass (e.g. cars, trucks, doors, windows). Included is a robust case and two 120 m Kevlar ropes on metal reels.



## Hook and Line Kit 3

Article No.: 1550030



This heavy duty kit is destined for moving massive suspect devices. It contains several belt slings and snatch blocks for high loads. It includes 150 m of a 10 mm Kevlar line on a metal reel and a robust carrying case.

## Hook and Line Kit 4

Article No.: 1550040



A large variety of tools specifically designed for use in buildings. It includes automatically opening snatch blocks and doorway anchors which permit to direct suspect objects along complicate ways. The kit includes a 120 m kevlar rope and a robust transport case.



## EOD Tripod

Article No.: 1060038

Heavy duty stainless steel tripod, specially designed for EOD application.  
Load max. 800 kg



## Non-sparking and non-magnetic Tools

### Shovel Small

Article No.: 1430000-01

- Non-sparking, non-magnetic
- Blade Copper-Beryllium

- Handle wood / plastic

Length: 83 cm

Length blade: 30 cm

Width blade: 17 cm

Weight: 1 kg



### Shovel Large

Article No.: 1430000-06

- Non-sparking, non-magnetic
- Blade Copper-Beryllium
- Handle wood

Length: 135 cm

Length blade: 29 cm

Width blade: 24 cm

Weight app.: 1.5 kg



### Digging Spade

Article No.: 1430000-07

- Non-sparking, non-magnetic
- Blade bronze
- Handle wood

Length: 116 cm

Length blade: 29 cm

Width blade: 20 cm

Weight: 2 kg



### Hacking Spade

Article No.: 1430000-05

- Non-sparking, non-magnetic
- Blade Copper-Beryllium cast
- Handle wood / plastic

Length: 125 cm

Length blade: 29 cm

Width blade: 19 cm

Weight: 3.2 kg



## Tool Sets FWT



FWT 36 Article No.: 1550036

FWT 63 Article No.: 1550063

FWT 85 Article No.: 1550085

- Sets of 36 / 63 / 85 clearly arranged tools
- Made of Copper-Beryllium
- Robust hard case
- Robust milled inlays
- According to STANAG 2897



Inlay 1 FWT36



Inlay 1 FWT85



Inlay 2 FWT36 / FWT85



Inlay 3 FWT36 / FWT85



Inlay 4 FWT36 / FWT85



Inlay 1 FWT63



Inlay 2 FWT63



Inlay 3 FWT63



Inlay 4 FWT63



## Fragmentation Shield

Article No.: 1100300-XX

The Fragmentation Shield has been specifically designed for mine clearance and EOD work. It is designed to be used by operatives requiring protection from small anti personnel mines and EOD operatives in support of EOD technicians.

The shield has two telescopic legs that can be placed into the ground to support it in the upright position, and centrally located window. Four soft handles are fitted to the reverse of the shield to assist in carrying it.

Protection:  $v_{50} = 650 \text{ m/sec}$  or  $750 \text{ m/sec}$   
Dimensions: Shield  $130 \times 70 \text{ cm}$  (app.  $4.3 \times 2.3 \text{ ft}$ )  
Window  $25 \times 10 \text{ cm}$  (app.  $4" \times 10"$ )  
Weight:  $14 \text{ kg}$  ( $650 \text{ m/s}$ ) /  $17 \text{ kg}$  ( $750 \text{ m/s}$ )



## Bomb Bin

Article No.: 1100310



Post room staff are generally considered to be at greater risk of terrorist attack through letter or parcel bombs. The Bomb Bin suppresses the effects of explosive devices by directing the blast, reducing risk of injury to personnel and damage to property from primary and secondary fragmentation. Designed for use in public and commercial areas. The composite construction with-stand blast and fragments from IED devices containing up to 500 g of PE4.

## Bomb Blanket

Article No.: 1050006-XX



- High protection level up to  $v_{50} = 650$  m/s
- Easy to use
- Robust design
- Various sizes
- Accessories: safety circle, carrying bag
- Outside cloth Cordura® \*

\*CORDURA® is a registered trademark of INVISTA for durable fabrics.

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## Firing Cable

Article No.: 1100012-XX

- Cable 2 x 0.75 mm<sup>2</sup> twisted, colour black and brown
- High quality cable drum with crank handle and break, colour orange/black
- Connectors (banana jacks) mounted on front plate



The Pocket Blaster (type Austin Powder EBM 05) is a very handy electric blasting machine that works with a standard 9 V battery. It initiates up to 30 detonators Class I (4 mJ) or 20 detonators Class II (16 mJ). The fitting testing unit (type PG01) is included.

## Pocket Blaster

Article No.: 1100055

## Dual Cap Crimper

Article No.: 1060007

- Fuse cutter that makes clean and accurate cuts
- Dual crimp in one stroke
- Powder punch
- Non-magnetic and Non-sparking
- Made from high-strength aircraft quality aluminium, hard anodized



## Leatherman Supertool 300 EOD

Article No.: 1310002



The Super Tool is often referred to as the original workhorse of the Leatherman family. With the Super Tool 300 EOD LEATHERMAN got those same beefy features and added EOD-specific tools like a military-performance-spec cap crimpers and fuse-wire cutters. Extra strong pliers with cleaning rod/brush attachments have replaceable wire cutters. Comfort-grip handles feature cutouts to make accessing tools with gloves on a cinch. An everyday carry tool, with some not-so-everyday features. The Super Tool 300 EOD is a great way to go easy on your load while beefing up your gear.

## Demolition Kit DK2

Article No.: 1550200



### For Demining and EOD / IEDD

Content (can be customized):

- Austin Powder Pocket Blaster blasting machine with standard battery 9 V
- Firing cable on high quality cable drum with connection terminal
- Digital multimeter
- LEATHERMAN Supertool 300 EOD
- KNIPEX 97 22 240 Multiwire Tool
- Dual Cap crimper
- Cap box
- Insulating tape
- Tool bag
- PELICAN Storm Case



## Bullet Proof Vest

Article No.: 1100033-XX

The bullet proof vest is designed to be worn underneath the normal everyday clothes. Its low weight, flexible protectors, bodyline shape and elastic adaptable velcro-fastener system guarantees a maximum of comfort even during long operations. Overlapping panels guarantee protection at the sides. The standard vest protects in accordance to protection level NIJ 3A. Protection levels up to NIJ 4 are available. Vest will be produced with personal measures. Weight (NIJ 3A): approx. 2 - 3 kg, depending on size and equipment



## Ballistic Briefcase

Article No.: 1100100

The Force Ware ballistic briefcase is a discreet rapid deployment close protection device, with a non threatening appearance, which is ideal for use by VIP close protection officers. It is low profile, lightweight and compact, making it easy to stow in vehicles, and to carry anywhere during escort duties.

The design of the briefcase allows single handed and rapid deployment when required to provide a sizeable first line of effective ballistic and fragmentation defence and protection.

The three part briefcase is constructed from heavy duty black ballistic nylon and unfolds quickly to provide around 100 x 50 cm of localised protection at a standard level of NIJ IIIA.

### Dimensions and Weight

The standard size is 50 x 34 cm. The weight of the standard size NIJ Level IIIA protection ballistic briefcase is 3.8 kg.



# First Choice for Security

## Cut Protected Searching Gloves

Article No.: 1310003



High comfort calf leather searching glove. Tight-fitting and very soft for high wearing comfort and excellent sense of touch. A Cutting protection insert protects the hands against cutting at blades, glass fragments etc.

- Robust and reliable, outer layer made of water-repellent calf leather
- Tight-fitting and very soft for high wearing comfort and excellent sense of touch
- Level 5 certified cutting protection (according to DIN EN 388)
- Free of health hazardous substances
- Available sizes XS - XXL

## Cut Protected Shirt CPS

Article No.: 1310010

Front and Sleeves: cut resistant fabric

- High-Tech Performance fibres for highest safety level
- Level 5 certified cutting protection (according to EN 388:200)
- Optimal protection at the workplace
- Comfortable moving space due to special knit construction
- Flexible, expansible and lightweight fabric for a durable wear comfort
- Back constructed with 100%: Coolmax® Fresh, colour: black
- Permanent antibacterial due to integrated silver ions in the polymer
- Outstanding wear comfort due to super soft fibres inside
- Piqué-construction, offering a sportive look
- Breathable and excellent moisture transport
- Extremely low pilling behaviour due to special fabric construction
- Easy to clean and highest colour fastnesses



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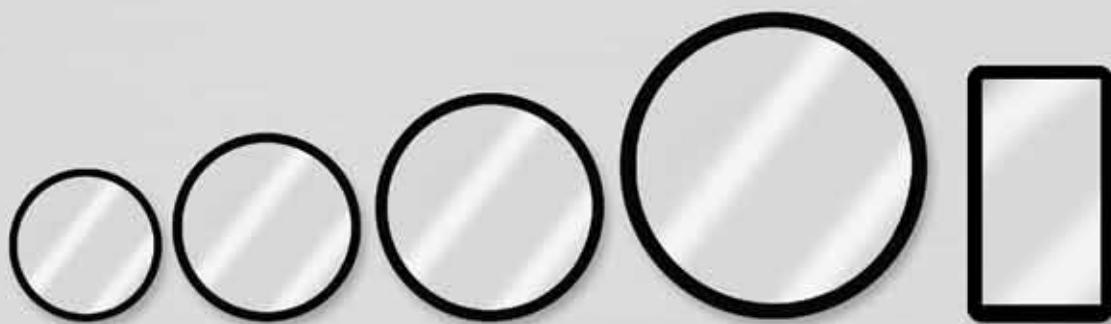
## Telescope Mirror Set Illuminated

Article No.: 1060050

- Suitable for different sizes of acrylic glass search mirrors
- Fitted with a LED torch
- Lightweight telescopic pole 47 cm collapsed, 147 cm extended
- Weight 720 g

Scope of supply:

- Telescope
- search mirror round plane 4 cm dia.
- search mirror round plane 7 cm dia.
- search mirror round plane 10 cm dia.
- search mirror round convex 13.5 cm dia.
- search mirror rect. plane 12 x 6.5 cm
- Charger and rechargeable batteries



## Pocket Search Mirror

Article No.: 1060024

- Very small
- Telescopic arm
- Robust, lightweight



### Scope of supply:

- Telescope
- search mirror round plane 7 cm dia.
- search mirror round convex 13.5 cm dia.
- search mirror plano 12 x 6.5 cm



## Telescope Mirror Set

Article No.: 1060047

- Suitable for different sizes of acrylic glass search mirrors
- Lightweight telescopic pole 47 cm collapsed, 147 cm extended
- Weight 400 g

## Inspection Mirror wheel-mounted

Article No.: 1060005

- 35.5 x 34.5 cm flat acrylic mirror
- Lightweight telescopic pole up to 147 cm extended
- LED lamp removable
- Rechargeable battery
- Weight 3.1 kg



## Road Blocker RB

Article No.: 1060043-XX

- Can block traffic in two directions
- Standard Lengths 5 and 7 m, others on request
- Made from Nylon, PE and stainless steel
- Needles replaceable





## IFlex LED Fiberscope

Article No.: 1190100

- 6 mm diameter probe
- Non-conductive polyurethane  
Tube or tungsten braid
- Gasoline and fuel resistant
- Articulation 2 directions + / - 120 °
- Built-in rechargeable battery
- High power LED
- 4 hrs working time
- Adjustable focus
- Carrying case included



## iRis DVR XT

Article No.: 1190080



- Contraband Search Scope
- Gasoline and fuel resistant
- Special isolated videoprobe
- Noiseless articulation control
- 5" high-resolution display
- Rotatable monitor
- Excellent image quality
- Ergonomic handle
- Bright and high-contrast display



## iRis DVR X

Article No.: 1190085



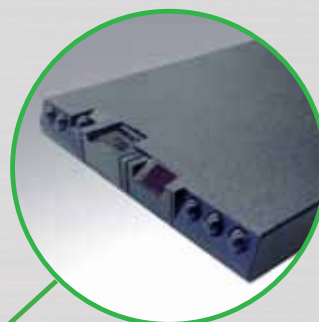
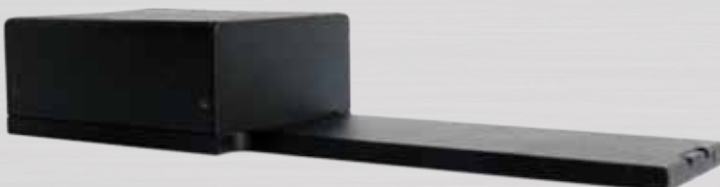
- Xtremely large display
- Xtremely economical
- Xtreme image technology
- Xtreme LED on the tip
- Xtremely fast and easy to use
- Xtremely long battery duration
- Xtremely transportable
- Xtreme 90° Side View Tip Adapter



## IR Under Door Kit

Article No.: 1190090

- IR Under Door Camera
- Chip on the tip technology
- High Power IR Illumination
- Switchable direction of view (forward/up)
- Light sensitive black & white sensor
- 5" high-resolution display
- Excellent image quality
- Bright and high-contrast display



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## Handheld Metal Detector MD6

Article No.: 1090010



- Detects ferrous and non-ferrous metals
- Audible & vibration & light bar alarm
- Complies with CE, F.A.A., F.C.C., IEC 529 standards
- Cost effective
- Convenient rubber handle



## Vallon VMC1 Compact Metal Detector For land applications



- Recommended for special operations
- Extremely small retracted size (38 x 15 x 8 cm)
- Handheld unit 2.4 kg only
- Power supply: 3 C-size batteries
- Metal alarm via:
  - Visual LED-bar graph
  - Audio signal
  - Vibration
- Slim search head
- Packing in bag, hard case (optional)

NATO-Stock-Number 6665-12-371-0877

## Vallon VMW1 Compact Metal Detector For underwater applications



- Extremely small retracted size (41 x 15 x 7 cm)
- Watertight up to 30 m
- Power supply: 3 C-size batteries
- Metal alarm via:
  - Visual LED-bar graph
  - Audio signal
- Non-magnetic headset
- Packing in hard case

NATO-Stock-Number 6665-12-372-9198





Searching with Excellence



Mine / IED Detectors

Submunition Detectors

UXO Detectors

Bomb Detectors

Computer-Aided Survey

Multi Sensor Systems

## General Catalogue

Do you need detectors for mines, IED or UXO?  
Please contact our affiliated company:

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