



SDS

Global Security Solutions Ltd



LBA International is a leading developer and producer of protective solutions for a range of customers in the Police, Defence and Security sectors.

Our manufacturing facilities are located in the United Kingdom and are accredited to the latest ISO 9001:2008 quality management standard.

Core products include:

- Body Armour
- Ballistic Helmets
- Hard Armour Insert Plates
- Ballistic Visors and Face Shields
- Ballistic Unloading Solutions
- Ballistic Shields
- Ballistic and Fragmentation Blankets
- Mine Protection Clothing
- Load Carriage Utility Vests
- Equipment Pouches

All products supplied are covered by warranty and extensive product liability insurance.

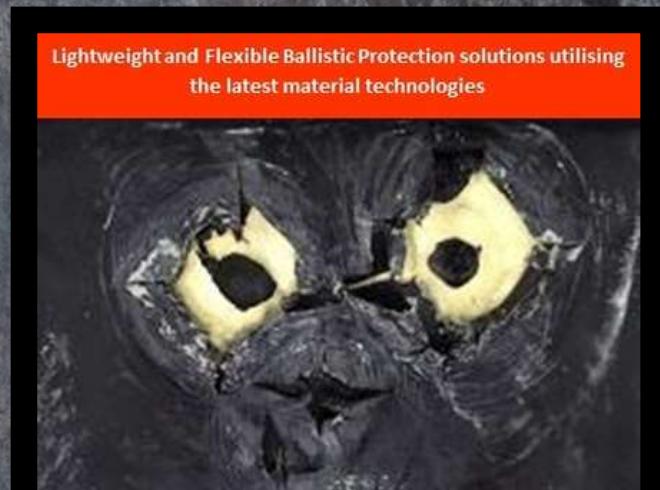
SOFT ARMOUR TECHNOLOGY

LBA International offer a complete range of flexible and lightweight soft armour panel (SAP) solutions which can be inserted into our selection of carrier designs to provide the individual user with protection against a range of threats.

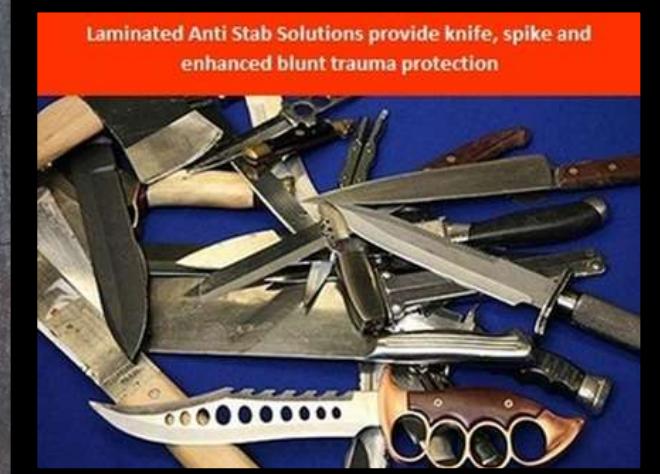
We provide body armour protection panels to defeat ballistic only threats, stab only threats or combined threats and utilise a variety of innovative technical fabrics to achieve the best balance between safety, weight, cost and wearability.

- **All Fabric Solutions:** these armour systems are constructed using high strength Aramid or HPPE materials such as Kevlar or Dyneema and incorporate no metallic components. Our multi-threat armour systems which provide dual purpose ballistic and stab protection utilise laminated materials which also enhance the blunt trauma performance of the solution but still offer high levels of flexibility and comfort.
- **Chainmail Solutions:** these armour systems are generally constructed using high strength Aramid but with a flexible metal component which provides the stab-protection element. The benefits are good levels of flexibility but chainmail solutions can often be slightly thicker than All Fabric Systems plus trauma protection is lower.

Soft Armour solutions are tested to meet NIJ and HOSDB Standards of Protection.



Lightweight and Flexible Ballistic Protection solutions utilising the latest material technologies



Laminated Anti Stab Solutions provide knife, spike and enhanced blunt trauma protection



HARD ARMOUR TECHNOLOGY

We provide an extensive range of **ballistic plate inserts** which can be used to upgrade a soft body armour vest to defeat higher velocity threats from rifle ammunition in the plate area.

The LBA range of plates are produced using High Pressure pressing or Vacuum techniques and utilise a range of materials combined to offer lightweight protection for the operational user.

Our manufacturing techniques also ensure our plates provide superior multi-hit protection.

Plate Types:

- Lightweight PE Plates (Dyneema)
- Alumina Ceramic (monolithic and mosaic options)
- Silicon Carbide Ceramic (monolithic and mosaic options)
- Boron Carbide Ceramic (monolithic and mosaic options)

Our Ceramic plates are constructed to ensure **maximum area of coverage to the edge of the plate** which increases edge shot performance.

BALLISTIC HELMET TECHNOLOGY

Our head protection systems are produced by bonding high tenacity ballistic aramid material using a high pressure process and give a good combination between weight and protection.

When tested in accordance with the NIJ 0106.01 test procedure our ballistic helmets demonstrate excellent stopping power and low back face signature.

In addition to providing anti-ballistic protection our helmets offer high level of fragmentation performance and we have a selection of performance levels:

- V50 550 m/s against 1.1g FSP (NATO STANAG 2920 test procedure).
- V50 630 m/s against 1.1g FSP (NATO STANAG 2920 test procedure).
- V50 675m/s against 1.1g FSP (NATO STANAG 2920 test procedure).

We are also developing a new range of lightweight PE helmets which offer 30% reduction in weight with increased performance.



GENERAL DUTY BODY ARMOUR VESTS

LBA supplies a range of General Duty Style Vest solutions for Police, Emergency Services, Local Authorities and Private Security personnel.

The vests are available in a range of protection levels from **ballistic** or **anti-stab** to **dual purpose multi-threat protection**.



COVERT BODY ARMOUR VESTS

LBA supplies a range of discreet Concealable Armour solutions for Police, Military, Emergency Services and Private Security personnel.

The vests are available in a range of protection levels from ballistic or stab only to dual purpose multi-threat protection.





TACTICAL BODY ARMOUR VESTS

The LBA range of tactical vests and plate carriers are used by specialist operators within police, military and private security sectors.

The vests are available in a range of protection levels from ballistic only to dual purpose multi-threat protection.

We have various modular upgrades to enhance protective coverage to Collar, Throat, Shoulder, Upper Arms and Groin region.



BALLISTIC HELMETS

LBA offers a wide range of helmets produced using our innovative processing technique which enables us to offer lightweight helmets with high levels of protection. Helmets are produced using ballistic aramid materials and we offer a variety of styles such as the traditional **PASGT Ballistic Helmet** to more modern shapes such as the **MACH I, MACH II and MACH III Models.**

All ballistic helmets meet **NIJ IIIA Protection** level plus offer a high degree of fragmentation protection. In addition a range of accessories are available including ballistic or anti-riot visors, side accessory rails and NVG shroud.



MACH III R BALLISTIC HELMET

The MACH III R Helmet is a version of the LBA MACH III helmet shape equipped with Accessory Side Rails for quick attachment of cameras, lights, ear defenders and other compatible equipment.

In addition the MACH III R helmet is equipped with a VAS Shroud which allows various Night Vision Goggles to be fitted to the helmet.

LBA can provide a range of additional helmet accessories.

Please note that our PASGT, MACH I and MACH II Helmet models can also be fitted with these features.



VISOR SOLUTIONS

LBA supply a range of visor solutions which can be fixed onto our range of helmets or used independently and offer ballistic or fragmentation protection.





BALLISTIC SHIELDS

LBA International manufacture a wide variety of bullet resistant shield options for our police, military and private security clients.

We can supply low velocity shields produced using pressed Kevlar aramid meeting **NIJ IIIA protection**.

To stop higher threats of high velocity rifle ammunition we offer ballistic shields produced using Ceramic or Dyneema materials.

These shields are available in **NIJ III** or **NIJ IV** protection classification and can be equipped with innovative features such as ballistic viewing ports, weapon rests, lights and trolley systems for ease of transportation.

BALLISTIC/FRAGMENTATION BLANKETS

Ballistic or Fragmentation blankets are available in a range of sizes, styles and protection levels to suit the requirements of the individual user.

Model shown is a ballistic blanket developed for a police unit which can be easily attached to vehicle doors to provide ballistic protection when transporting a VIP or to provide ballistic cover during a high risk operation. Ballistic plates can be added to blankets to increase protective in certain areas against high velocity rifle ammunition.

Fragmentation blankets are sometimes referred to as bomb blankets and can be used to cover a suspect package or hang against windows to protect occupants of buildings.

LBA International can supply a complete range of solutions to meet your exact requirements.



WEAPON UNLOADING/STORAGE SOLUTIONS

We offer a range of solutions which can be used by police, customs, border guards and military officers to safely unload or transport loaded weapons:

- Unloading Bag: portable solution for safe unloading of handguns and rifles.
- Pistol Bag: transport loaded handguns safely to a secure area.
- Air Marshall Bag: used by customs and border control officers to safely remove loaded handguns from airplane into secure storage.
- Shotgun/Rifle Transport Bag: remove a loaded weapon to safe area for secure storage or examination.



MINE CLEARANCE

We offer a range of demining aprons, IED search suits and helmet/visor solutions for use by personnel performing mine clearance or explosive search operations.



BLAST INHIBITOR

The inhibitor is the modern alternative to the bomb blanket which does not have the ability to extinguish the fireball or reduce blast, which can be the most cause of damage. Bomb inhibitors are installed in airport, government buildings, public places and shopping malls. They are also used in mail sorting offices and areas where there is a threat of a letter bomb attack.

Benefits

- Saves lives, reduces casualties.
- Up to 90% reduction in blast damage.
- Up to 90% reduction in fragmentation damage.
- Virtual elimination of fire risk.
- Consequential loss reduction.
- Retains forensic evidence.
- Temperature range -45°C to +55°.
- Simple to install.



1kg TNT - Inhibited



1kg TNT - Uninhibited

SPECIALIST ITEMS AND ACCESSORIES

Our technical and design team welcome bespoke enquires and we are happy to work with end users to create the optimum solution for your needs or match a particular specification.





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