

# Protecting our heroes in times of conflict

*MKU has provided protection to more than  
1.5 million soldiers globally*

**W**ITH an experience of over 25 years of manufacturing uncompromising protection solutions for the world's leading armed forces, MKU has mastered the art of protecting personnel, platforms and objects. It has already provided protection to more than 1.5 million soldiers globally and has designed and delivered solutions for over 1500 platforms. With the stringent NIJ certification under its belt, MKU conforms to the highest quality standards in the world for its products.

MKU has a strong vision of becoming a global leader in the protection & surveillance domain by attaining technological excellence. MKU recognises the value of a soldier, they understand how important it is for them to survive and hence follow a very stringent process to monitor the superiority of their products not only in terms of performance but also its quality. In addition, with a lot of focus and resources in R&D, they keep upgrading their technology in order to bring more competence in their products, and help the soldiers perform smoothly.

MKU's wide-ranging domain expertise in manufacturing ballistic protection solutions allows it to offer customised and technologically superior products both, in soft as well as hard armour configurations. Exposure to global markets, imparts to it, a superior understanding of the various global defence & security establishments, environments and applications. With in-house development centres located in India and Germany, MKU untiringly works towards providing cutting edge and innovative protection solutions; ensuring the best protection to the nation's brave hearts.

MKU's infrastructure spans across 2 units in India and 1 in Germany. Units 1 & 2 are located at Malwan & Rooma near Kanpur. Unit 3 is located at Sittensen in Germany. Together, these units have capacities to produce over 200,000 helmets, 150,000 ballistic jackets and 300,000 armour inserts, 72,000 sqm (775,000 sq. ft.) of armour panels and approx. 6000 up-armour kits annually. They cover an area of approx. 200,000 sq. ft. (18,500 sq. mtr.) and employ over 400 people.

MKU has an in-house ballistic lab situated at its off-shore facility in Germany which conforms to testing standards as specified by NIJ 0101.06. The lab is equipped with firing barrel, velocity measurement, analysing and reloading equipment. MKU also has in-house labs to check physical and chemical parameters of raw materials, carry out stab-testing and accelerat-



ed ageing tests on raw materials as well as finished products to ascertain and test their ballistic properties.

MKU has always remained abreast of and ahead of the technology curve in armour technology. Its understanding of various markets and conditions have enabled MKU to develop various advanced solutions to add comfort or enhance the performance levels of its protection solutions.

Apt for emergency conditions, MKU's INSTAVEST's swift and instant release action helps soldiers in extreme combat and life threatening situations where immediate doffing of the body armour becomes imperative in order to save one's life: wading / swimming in water? - doffing armour in firing prone position - treating critically wounded soldiers? - narrow ingress / egress points. The specially developed Quick Release System of Instavest immediately divests the vest off the soldier's body with a single action and complements body reflex.

Physiologically, the head is the most vulnerable region of the human anatomy and it becomes extremely important that head gears worn by soldiers during bomb explosions and surprise attacks offer effective protection. Exploded ordnance fragments & high speed flying debris take almost about as many lives as direct bullet hits. MKU manufactures BOLTFREE Helmets which provide extra and uniform protection to soldiers. When a bullet hits a bolted helmet, there is a sheer possibility of the bullet hitting the bolt and the secondary fragments from the burst bolt entering the skull and causing fatal injuries.

