

About DHS Innovation Technology Co., Ltd.

DHS Innovation Technology Co., Ltd., has been highly regarded and anticipated in the Taiwan defense industry since its inception. As a pioneer in the independent research and development of UHMWPE fiber yarn and fabric in Taiwan, DHS is the only company domestically equipped with a complete production line and a professional R&D team dedicated to the development of high-specification products.

With strong technical capabilities in bulletproof material development and production, DHS provides robust support and lightweight solutions for military, law enforcement, and land, sea, and air defense security.

DHS's advanced capabilities in producing high-strength UHMWPE yarn have positioned Taiwan as one of the top five countries in the world with self-owned bulletproof yarn manufacturing capabilities. Adhering to the principle of "Defense Autonomy, Made in Taiwan," DHS was established in 2022 in the Anping Industrial Zone of Tainan, Taiwan.

Occupying a 4215-square-meter factory, DHS is set to commence mass production, aiming to deliver higher quality and to manufacture internationally certified high-specification UHMWPE bulletproof yarn and fabrics to give our customer best-safety solution and service to keep guard the end-user life.

Patented Technology Unique Ratio

UHMWPE Fiber DHS main products

UHMWPE Yarn

UHMWPE UD fabrics

Production lines

2 multi-functional continuous weaving production lines
1 ultra-high polymer polyethylene spinning line
1 peripheral ring processing production line

Acceptable Order Types

ODM·OEM°

DHS independently develops and produces UHMWPE yarn and fiber laminated fabric. The fiber laminated fabric can be used in soft Armor, bulletproof plate, bulletproof helmet and bulletproof shield

Soft Armor



Bulletproof
plate



Bulletproof
helmet



Bulletproof
Shield



-The leading UHMWPE yarn fiber company in Asia Pacific.

-Your best partner in Asia Pacific to fulfill your strategic layout.

Helping military law enforcement organizations realize true defense autonomy. DHS's self-manufactured on-site, independent, transparent and secure process fills the gap in strategic defense.

Self-spinning to weaving

Supply Chain 4 advantage

- Safe, professional and stable manufacturing process
- Independent research and development with high quality
- Political transparency and quick response
- Geostrategic Cost Advantage

大合新科技股份有限公司
DHS Innotech Co., Ltd.

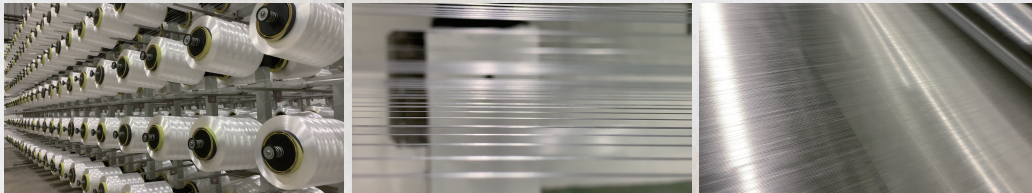


100% Self-made Bulletproof Yarn

High Precision UHMWPE

Bulletproof Yarn

DHS Innotech® Fiber is a high-quality, functional yarn with no impurities or no different colors, easy processing, uniform thickness, stable quality, and low carbon consumption in the production process, which is suitable for weaving into high-quality ballistic fiber laminated fabrics.



Material 100% UHMW Polyethylene

Elongation 4%

Tenacity Ultra High Strength yarn

Linear Density 400-800D

DHS UHMWPE fabrics

Lightweight x Comfortable x Professional

The finished product by this fabric has passed the bullet test of the NTS organization recognized by the NIJ Association. Enjoy maximum lightweight comfort with DHS® UD Fiber Laminated Fabric, a solution that delivers maximum strength with minimum weight to help you perform your duties in unpredictable environments for extended periods of time with flexible ballistic protection.



Material 100% UHMW Polyethylene

Tenacity Ultra High Strength

Type Pre-immersed

Width 1.6 m

Thickness 0.3mm

Density 180-280g/ m²



高強力布料



耐磨布料



抗撕裂布料



多層布料



抗UV布料

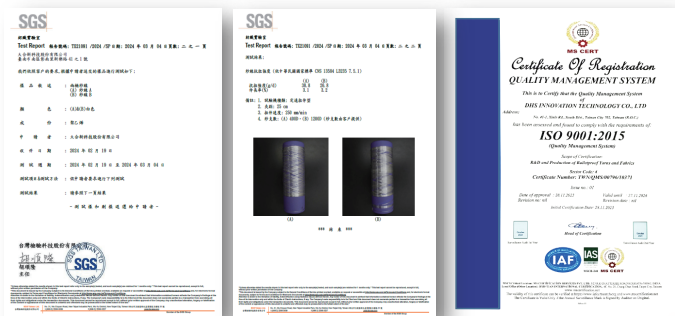


撥水布料



輕量布料

WON the authoritative quality recognition & cooperation

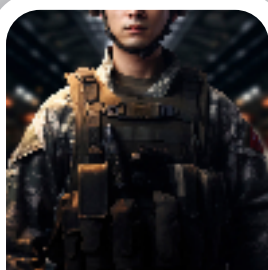


- Passed ISO9001 Quality Management System Certification.
- Implemented ISO/IEC 27001 Information Security Management System
- Yarns have been tested by international SGS organization.
- Professional internationalized machine quality inspection.
- Employees have obtained professional licenses.



DHS's strength UHMWPE fiber and fabrics empower you to build a full range of protective safety.

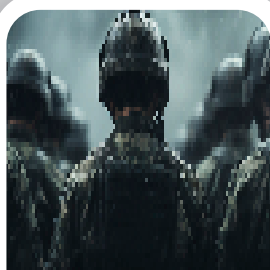
We focus on 4 business-oriented application areas to provide security and protection for our customers.



Body Armor

Supplying the most important core components for protective equipment manufacturers and retailers.

- Soft Armor/ ballistic inserts
- Hard plates
- Bulletproof protective gear liner



Military Protection

Jointly partnering with factories to provide military law enforcement organizations with high quality critical protective equipment

- Bulletproof Vest
- Bulletproof Helmet
- Bulletproof Shield



Vehicle Armor Security

Non-intrusive installation can be considered to assist in the ballistic defense of land, sea and air vehicles under attack.

- Exterior hull structures of transportation vehicles, such as tank liners, aircraft undercarriage and wingtip structure protection, submarine armor
- Bulletproof cockpits/doors
- Engine & Ammunition Compartment Defense



Advanced Material Solutions

Bullet and cut resistant composites for a variety of scenarios.

- Anti-Scratch and cut resistant outdoor products
- Parachute and mooring rope
- Satellite radar shields
- Aerospace, bunker wall structure, etc.

Ultra-high molecular weight polyethylene fibers are widely used in personal protective equipment, aerospace, aviation, bullet-proof, mooring rope, transport traffic bullet-resistant and other military fields, across the land, sea and air for the defense of the country to establish a full range of military defense



Army Bulletproof



Aircraft Bulletproofing



Submarine Critical Protection

Always adhere to the values of "Integrity, Professionalism, Quality, Innovation and Teamwork".

We providing key material of armor protection for elite military and law enforcement units, we are committed to protecting the lives of our personnel in critical moments.

Welcome to contact us, sincerely serve you to open a win-win cooperation!