



BTGEAR

GEARS DRIVEN BY MISSION

Catalogue

COMPANY PROFILE

About Us

Established in Hong Kong in 2020, ABT GEAR was founded to meet the rigorous demands of law enforcement, military, and special operations professionals. "ABT"—A Better Tomorrow—reflects our commitment to equipping frontline personnel with uncompromising tactical assets. Understanding the critical nature of field operations, we deliver mission-ready solutions engineered to ensure peak performance and reliability in any environment.

Our Mission & Expertise

Our core expertise lies in bespoke tactical systems. Forged through years of direct collaboration with frontline units, we design and manufacture professional-grade loadouts tailored to specific operational requirements and diverse mission profiles.

Our custom portfolio encompasses Duty, Low-Vis, and High-Threat Armor Chassis, Sniper and Maritime Load-Bearing Systems, Concealment Solutions, and First-Line Belt integration. Every product seamlessly integrates industry-leading materials with advanced structural geometry. Driven by continuous innovation, we engineer zero-compromise operational hardware.

Beyond tactical deployment, ABT GEAR also provides specialized consultancy and bespoke prop fabrication for the film industry.





CORE INNOVATIONS & PATENTS



**Full-Body Harness Integration
(Spider Rappel Plate Carrier)**

The Innovation: Proprietary ventral harness channel for specialized rappelling.

The Advantage: Routes full-body harnesses behind frontal modules, delivering unobstructed payload access and absolute mobility in critical environments.



**The All-Purpose Placard
(Mission Rig)**

The Innovation: An open-wrap architecture that fully deploys flat for comprehensive internal access.

The Advantage: Eradicates cumbersome blind insertions. Operators can precisely align and dock retention modules prior to structural closure, streamlining rapid reconfiguration for diverse mission profiles.



Integrated Polymer-Insert Mag Pouch

The Innovation: A hybrid nylon-polymer architecture featuring a patented mechanical locking structure, superseding traditional hook-and-loop interfaces.

The Advantage: Delivers consistent retention and fluid re-indexing while eradicating material fatigue, ensuring zero-compromise reliability under dynamic stress.



"HOT DOG" Belt Architecture

The Design: A patented fold-over architecture that encases a high-tensile core within a 1000D composite laminate.

The Advantage: This continuous, seamless exterior delivers superior abrasion resistance and eradicates the delamination risks inherent to traditional 500D single-layer belts.

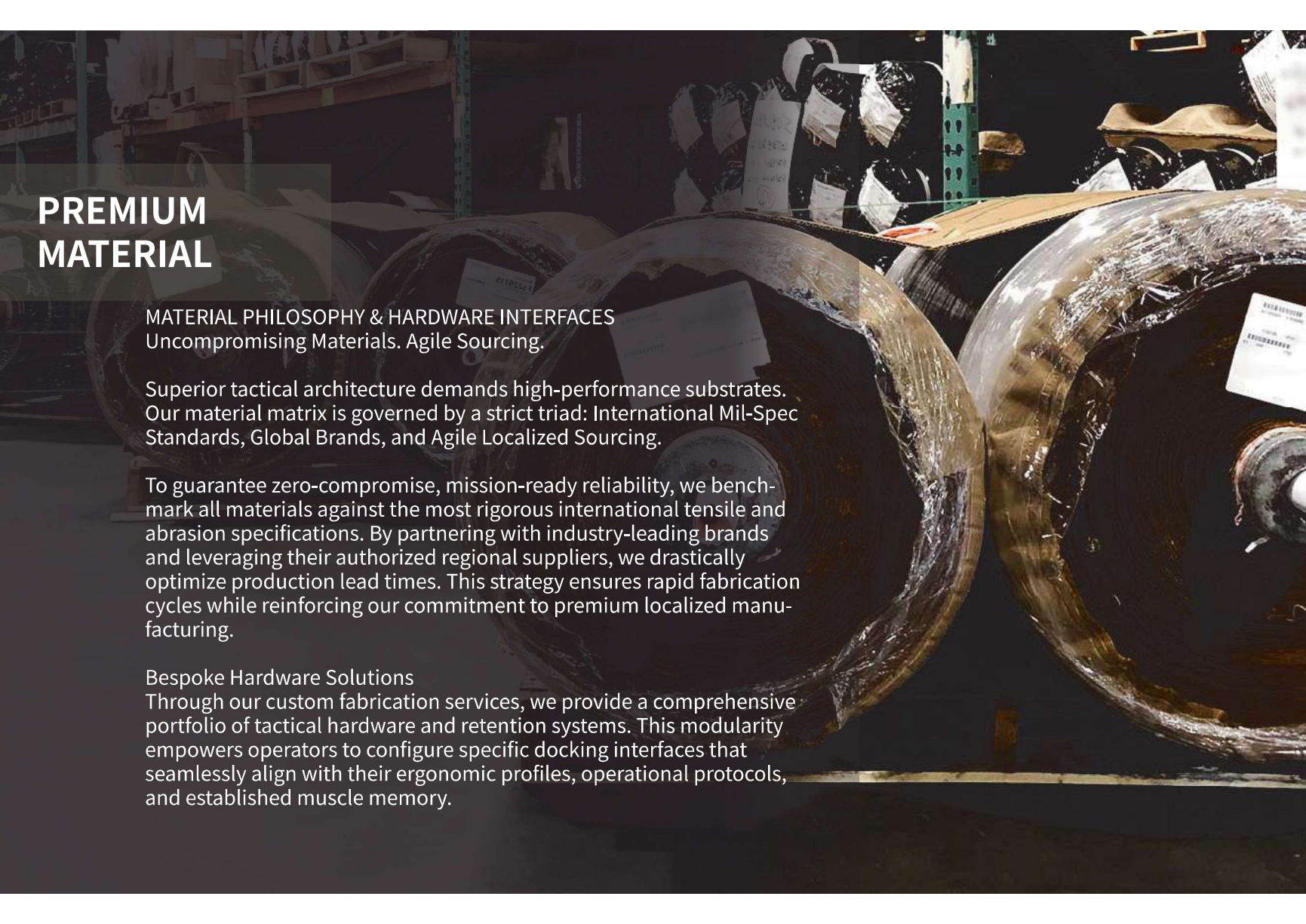


Modular Back Panel System

The Design: A universal base architecture integrating fixed-panel stability with dynamic modularity, driven by a hook-and-loop and reverse-snap retention matrix.

The Advantage: Enables operators to hot-swap mission-specific modules instantly, streamlining rapid reconfiguration without detaching the primary base.





PREMIUM MATERIAL

MATERIAL PHILOSOPHY & HARDWARE INTERFACES
Uncompromising Materials. Agile Sourcing.

Superior tactical architecture demands high-performance substrates. Our material matrix is governed by a strict triad: International Mil-Spec Standards, Global Brands, and Agile Localized Sourcing.

To guarantee zero-compromise, mission-ready reliability, we benchmark all materials against the most rigorous international tensile and abrasion specifications. By partnering with industry-leading brands and leveraging their authorized regional suppliers, we drastically optimize production lead times. This strategy ensures rapid fabrication cycles while reinforcing our commitment to premium localized manufacturing.

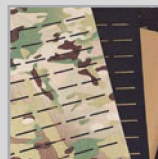
Bespoke Hardware Solutions

Through our custom fabrication services, we provide a comprehensive portfolio of tactical hardware and retention systems. This modularity empowers operators to configure specific docking interfaces that seamlessly align with their ergonomic profiles, operational protocols, and established muscle memory.



CORDURA® Advanced Fabric

The definitive gold standard in tactical fabrication, CORDURA® delivers an exceptional strength-to-weight ratio—outperforming standard nylon by 2x. Its lightweight, highly abrasion-resistant profile serves as the optimal substrate for both standard platforms and advanced composite laminates engineered for mission-specific operations.



Composite CORDURA® Laminate

Fusing 500D and 1000D CORDURA® substrates, our advanced laminate is engineered for precision laser-cut architectures. This bilateral construction maximizes abrasion resistance, while proprietary bonding technology guarantees exceptional peel strength and structural integrity under dynamic operational stress.



TEGRIS® Thermoplastic Composite

Engineered by Milliken & Company, TEGRIS® is an advanced thermoplastic composite that maintains extreme fracture resistance down to -40°C. Integrated as the structural backbone of our tactical platforms, it outperforms conventional polymers to deliver ultra-lightweight rigidity and uncompromising support for heavy loadouts.

PSI GEAR



DuraFlex



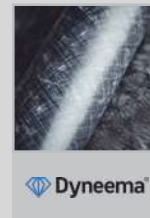
WOOJIN



AA Shield



Dyneema



YKK



EXIT

