



PROTECH[®]
ARMOR SYSTEMS



COMPOSITE ARMOR SOLUTIONS

INTRODUCTION

PROTECH® Armor Systems offers a broad array of ballistic and fragmentation solutions for land, sea and aircraft applications.

From full OEM integration to retrofits, PROTECH provides solutions for commercial, homeland security, corporate sector and military markets across the globe.

We specialize in both custom and standard off-the-shelf systems. Our products range from lightweight polyethylene and ceramic composite systems to steel and aluminum hybrids, offering each individual client the flexibility of supporting mission-specific protection requirements.

Our goals for our customers are based on doing business quietly, achieving the right results in the right way, providing peace of mind and building the foundation needed for success.



Qualifications:

- ISO 9001:2008 Certified
- Internal and Independent Qualification Testing
- Ability to Quickly Scale to Meet Customer Demand
- AWS-Certified Welding Application
- Strong Supply Chain Relationships
- Employment of LEAN Manufacturing for Cost Efficiency



Products Include:

- Sea, air and land armor kits
- Full custom solution capabilities
- Commercial and military vehicle applications
- Add-on (appliqué) armor packages
- Modular panel systems
- Spall liners

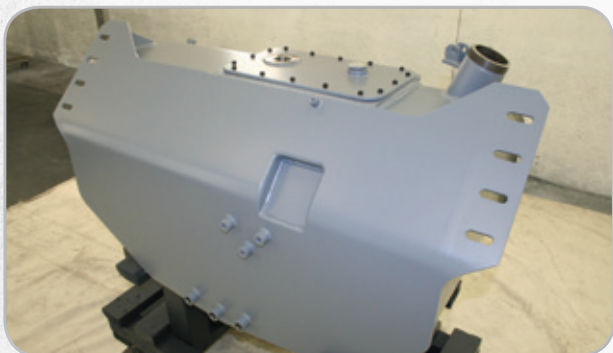


Our commitment is to be a total armor solutions provider to the brave individuals who protect us at home and abroad. We provide innovative solutions to meet the rapidly changing landscape, ensuring high quality and advanced armor products for our military, law enforcement and security personnel.

BALLISTIC PROTECTION

BALLISTIC AND FRAGMENTATION PROTECTION

PROTECH Armor Systems offers a broad array of ballistic and fragmentation solutions. From full OEM integration to retrofits, our products provide solutions for commercial, homeland security and military markets across the globe.



BALLISTIC PROTECTION:

- 9mm and .44 Magnum
- 7.62mmX51 NATO (M80) Ball
- 7.62mmX51 AP M61
- 7.62mmX39 M1943 Type PS Ball, Steel Core
- 5.45mmX39
- 7.62mmX39 AP BZI
- 5.56mmX45 M193
- 5.56mmX45 M855 (SS109)
- 7.62mmX54R B32 and LPS
- .30-06 AP M2
- .50 Caliber M2 Ball
- .50 Caliber M2 AP
- 14.5 X114 API

FRAGMENTATION:

- 2gr RCC
- 4gr RCC
- 16gr RCC
- 17gr RCC
- 64gr RCC
- .30 FSP
- .50 FSP
- DM51
- M67

FEATURES:

- Lightweight PE and Ceramic Composite Systems
- Design to Threat Capability
- More Than 20 Years of Experience
- In-house Armor Design, Fabrication and Testing
- Off-the-shelf Solutions from 9mm to 14.5mm
- Meet NIJ Standard 0108.01, IIA Through IV
- Special Threat Solutions
- CNC Capability for Through Panel Fastening Systems
- CARC Systems

MATERIAL SOLUTIONS:

- E-Glass
- S2 Glass
- Aramids (Kevlar® and Twaron®)
- UHMWPE (Dyneema®, Spectra® and Tensylon®)
- Aluminum Oxide (Al2O3)
- Silicon Carbide (SiC)
- Boron Carbide (B4C)

BOAT ARMOR

A world leader in hard-armor technologies, PROTECH® designs and manufactures armor solutions for virtually all types of maritime applications. Using only the most advanced materials, engineering and the latest technology in ballistic development, we provide our clients with the greatest balance of cost, weight and performance in all the products we manufacture.

Our state-of-the-art facilities offer high volume production and a multitude of processing options, including autoclaves, and high-pressure molding. With more than two decades of experience and material knowledge, our advanced systems provide for a wide array of standard product offerings as well as custom solutions, meeting each individual application.

More importantly, PROTECH® has earned the loyalty of a long and diverse list of clients. Over the years, our relationships have evolved from a foundation of trust.



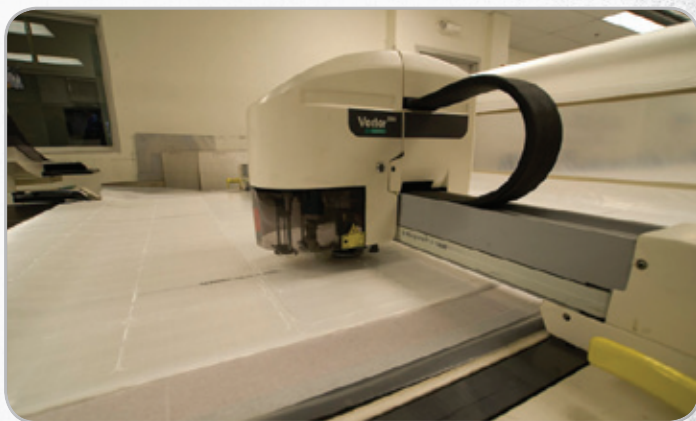


NAVIGATE A SAFER COURSE

- Broad portfolio of lightweight composite systems for ball and armor-piercing (AP) threats, addressing most small arms protection requirements
- Polyethylene systems affording least-weight penalty, which are buoyant and unaffected by freshwater, saltwater and UV rays
- Superior multi-hit, ballistic performance solutions
- Exterior coatings, which enable protection against the harshest of environments, providing long-term serviceability

Applications Include:

- High-Speed Assault Boats
- Patrol Boats
- Response Boats
- Pilot (Escort) Boats
- Riverine Craft
- Search and Rescue
- Shallow Water Boats
- Homeland Security Vessels
- Law Enforcement Craft
- Large Ships



LAND ARMOR

The PROTECH® Armor Systems line of products includes a wide array of ballistic, blast and fragmentation solutions, from field installable kits to OEM vehicle armor components.

With a multitude of options in panel, blanket or complete assembly solutions, our broad portfolio of product offerings addresses the full spectrum of small arms ballistic and fragmentation threats.

Custom tailored solutions range from light-weight polyethylene and ceramic composite systems to steel and aluminum hybrids.

One-on-one program management provides ballistic and design support to each individual client, ensuring product conformance and seamless program execution, working with you to meet every performance objective.



MANUFACTURING CAPABILITIES

- High-Pressure Molding up to 3000 PSI
- Low-Pressure Autoclave Processing
- CNC Water-Jet Cutting
- CNC Machining
- MIG and TIG Welding
- Ceramic Processing
- Toolmaking for Custom Components
- Metal Bending
- Paint Booth (CARC and Environmental Coatings)

VEHICLE ARMOR

Uniquely qualified, we offer both composite and metallic armor fabrication, supporting end users, OEM's and Tier I and Tier II suppliers.

From small assemblies, panels or components to complete kits, our extensive range of in-house manufacturing capabilities support all types of material and armor applications.

AIRCRAFT ARMOR

Add-on armor kits can be customized to meet mission, weight and performance objectives for all types of ball and armor-piercing threats.

PROTECH Armor Systems provides advanced lightweight composite designs for reduced weight and superior multi-hit ballistic performance.

As an industry leader, we were selected to manufacture cockpit door ballistic panels per FAA requirements for fortified cockpit doors as a result of the 9/11/2001 terrorist attacks.



AIRCRAFT ARMOR

- Ballistic panels are easily installed and removed by front-line personnel. In most cases, no special tooling is required and armor systems can be easily transferred from one aircraft to another
- The availability of replacement panels eliminates the full replacement of the kit, thus reducing cost and aircraft downtime
- Polyurea protective coatings afford optimal durability, performance and slip resistance
- Vertical Burn Resistance: Independent FAA-certified laboratory testing in accordance with FAR 25.853 (a) (1) (I) Appendix F Part
- Excellent resistance to, and protection from, a variety of environmental and chemical situations





PROTECH[®]

ARMOR SYSTEMS

(413) 445.4000 | PROTECHARMORED.COM

1595 East Street | Pittsfield, MA 01201
(413) 445.4000 | FAX (413) 445.4455
PROTECHARMORED.COM