

Personal Protection Equipment Expected to Account for 50% of the \$10 Billion Ballistic Protection Market by 2030

The Business Research Company's Ballistic Protection Global Market Report 2026 – Market Size, Trends, And Forecast 2026-2035

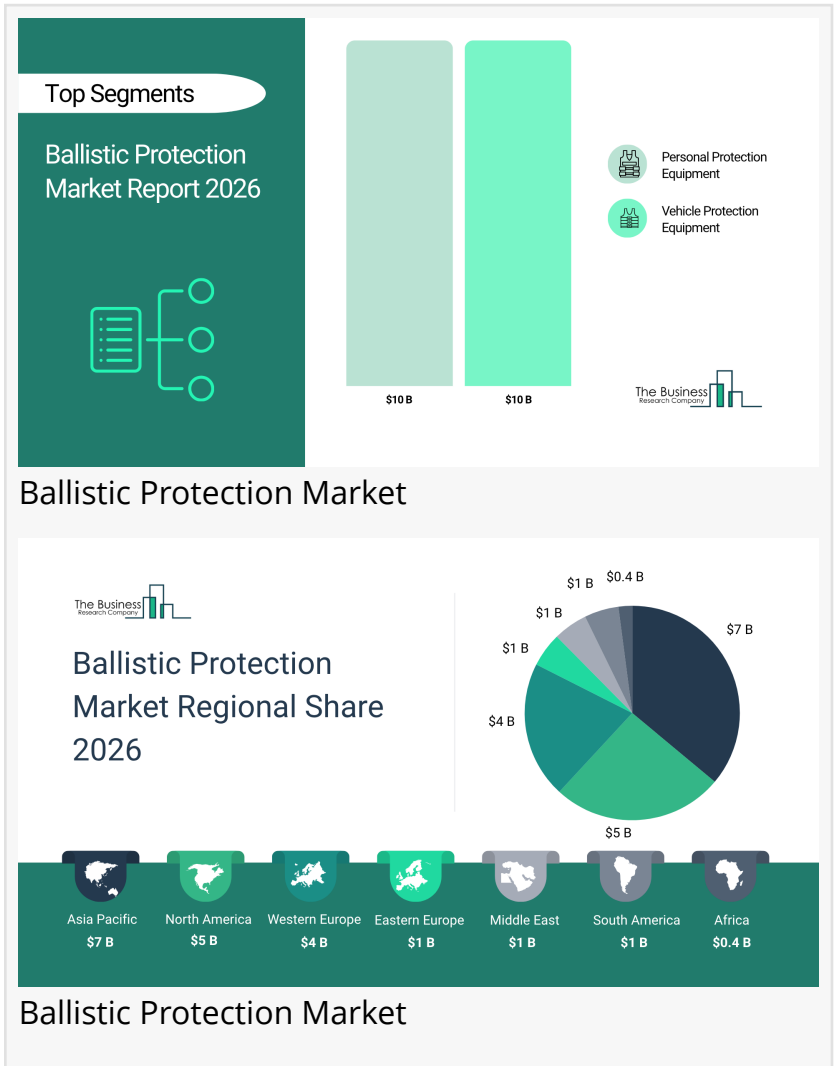
LONDON, GREATER LONDON, UNITED KINGDOM, October 16, 2026 /EINPresswire.com/ -- The [ballistic protection sector](#) is gaining importance as global security challenges intensify and defense modernization accelerates. With innovations in materials and design, this market is set to experience substantial growth over the coming years. Here's an in-depth analysis of its projected size, driving forces, key players, and emerging trends shaping the industry.

[Ballistic Protection Market Size](#) and Future Outlook

The ballistic protection market is projected to surpass \$19 billion by 2030. Positioned within the larger Aerospace & Defense field, which is expected to reach \$1,166 billion by the same year, this segment will account for nearly 2% of the total industry value. Analysts anticipate a steady compound annual growth rate (CAGR) of 6% through 2030, reflecting strong demand and ongoing innovation.

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Key Drivers Behind Ballistic Protection Market Growth

One of the most significant factors propelling the ballistic protection market is the increasing threat of terrorism and broader security concerns worldwide. Governments, law enforcement agencies, and private security companies are enhancing protective measures to counter asymmetric warfare and safeguard personnel, critical infrastructure, and public transit systems. This urgent need boosts demand for equipment capable of withstanding diverse ballistic and explosive hazards without limiting operational efficiency. This driver alone is forecasted to add around 1.9% annually to market growth.

Another major factor supporting market expansion is the rise in global defense budgets and ongoing military modernization efforts. Armed forces are heavily investing in improved personal protective gear, vehicle armor, and advanced technologies that address evolving battlefield threats. Focused on enhancing soldier readiness, survivability, and mission success, these programs contribute approximately 1.7% yearly growth to the market.

Access The Detailed Ballistic Protection Market Report Here

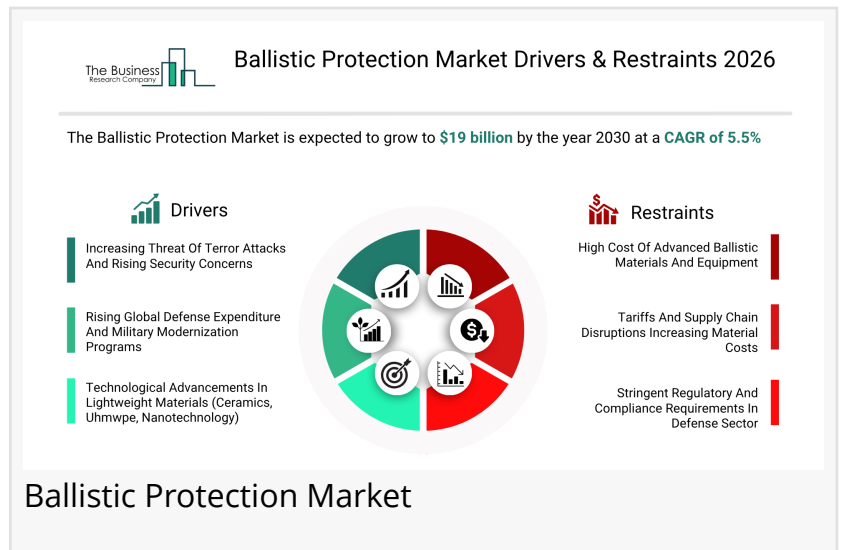
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Advances in material science also play a crucial role in boosting the ballistic protection industry. Innovations in lightweight ceramics, ultra-high-molecular-weight polyethylene (UHMWPE), and nanotechnology are enabling the development of protection systems that offer superior ballistic resistance while significantly reducing weight. These improvements enhance mobility, endurance, and comfort for users, and fuel continuous research and development efforts. This technological progress is expected to contribute about 1.6% annual growth.

Innovations in Combat Helmets Enhancing Soldier Safety

Next-generation combat helmets are transforming the ballistic protection landscape by offering better protection without sacrificing mobility. For example, in October 2025, Galvion Inc. introduced the Batlskin Caiman UL helmet, which combines ultra-lightweight design with high ballistic resistance. Its modular features, including an APEX liner system and shroud, enhance comfort, support night vision integration, and sustain long usage under demanding conditions, exemplifying the shift towards more adaptable protective gear in modern combat.

Personal Protection Equipment Dominates the Ballistic Protection Market



Within the product segments, personal protection equipment is expected to hold the largest share by 2030, representing 50% of the market or \$10 billion. This growth is driven by military and police forces' increasing demand for advanced body armor, ballistic helmets, and vests that improve mobility and survivability during complex combat and security operations. The use of high-performance materials and ongoing modernization programs further support this dominance.

Additional Ballistic Protection Market Segmentation

The market also segments by materials used, including aramid fibers, carbon fiber composites, glass fiber and thermoplastics, ceramics, and other materials. By platform, the market divides into land, airborne, and marine applications. In terms of end use, the segments cover defense, homeland security, commercial uses, and others, reflecting the wide applicability of ballistic protection technologies.

North America and the USA as Market Leaders

North America is forecast to remain the largest region for ballistic protection in 2030, reaching a market valuation of \$7.0 billion, up from \$5.3 billion in 2025, with a CAGR of 6%. Growth in this region is fueled by defense modernization efforts in the United States and Canada, investments in advanced body armor and vehicle protection, and initiatives to enhance soldier survivability. Emphasis on border security, protection of critical infrastructure, and new lightweight ballistic materials designed to meet evolving threats also contribute significantly.

The United States, specifically, will be the single largest country market in 2030 at \$6.4 billion, rising from \$4.8 billion in 2025 with a CAGR of 6%. This growth reflects sustained military spending focused on force protection, expanded use of tactical gear in law enforcement, demand for cutting-edge ballistic helmets and vests, increased deployment of armored vehicles, and active research aimed at achieving better protection combined with lighter and more mobile equipment.

Segments Offering Strong Growth Potential in Ballistic Protection

The most promising segments expected to add significant value by 2030 are personal protection equipment and vehicle protection equipment. Together, they are projected to contribute over \$4 billion in market growth from 2025 to 2030, with each segment increasing by around \$2 billion. Demand is driven by the need for enhanced personnel survivability, the expansion of armored mobility platforms, adoption of advanced protection technologies against emerging threats, and ongoing investments in next-generation armor systems. This reflects a broader commitment to comprehensive protection, operational readiness, and force modernization.

Ballistic Protection Market Shares and Competitive Landscape

The ballistic protection market exhibits moderate fragmentation, with the top 10 companies controlling about 23% of total revenue in 2024. Although the industry faces moderate to high barriers to entry due to stringent defense standards, complex material engineering, certification, and reliability requirements, leading firms remain highly competitive. They focus on offering

extensive product portfolios, securing government contracts, maintaining global supply chains, and driving innovation in ballistic materials and protective equipment. Growing demand for lightweight armor, multi-threat systems, modular body armor, and next-generation helmets is encouraging collaborations, new product launches, and regional market expansions to solidify their market positions.

Key Players and Market Shares in 2024

The leading companies and their market shares in 2024 include:

- Honeywell International Inc with 7%
- BAE Systems plc with 5%
- DuPont de Nemours Inc also at 5%
- Rheinmetall AG holding 3%
- Teijin Limited with 2%
- GENTEX Corporation at 1%
- Point Blank Enterprises Inc, Avon Technologies plc, Safariland LLC, and Tencate Advanced Armor each with about 0.1%

Strategies for Maintaining Market Leadership

Top firms compete by advancing ballistic materials and armor systems to enhance strength and durability, utilizing innovative designs to reduce weight and improve user mobility, expanding manufacturing and testing capabilities to ensure product reliability and certification, and incorporating smart materials that augment threat detection and defense effectiveness.

Honeywell International Inc. as the Global Sales Leader

Honeywell International Inc. led global sales in 2024, capturing a 7% market share according to [The Business Research Company](#). Its advanced materials technologies division plays a critical role in the ballistic protection market by providing ballistic-resistant fibers, body armor systems, protective helmets, and composite materials to military, law enforcement, and homeland security customers worldwide.

Comprehensive Overview of Market Participants

Beyond the major players, the ballistic protection market includes companies such as MKU Limited, Armor Express, Revision Military Inc, ArmorWorks Enterprises LLC, ArmorSource LLC, HighCom Security Inc, International Armored Group, Craig International Ballistics Pty Ltd, DMS Group, EnGarde Body Armor, Ballistic Body Armor Pty Ltd, CQC Limited, and Hellweg International, contributing to the diversity and competitiveness of this sector.

Integral Components of the Ballistic Protection Market Value Chain

The raw material supply side features major firms such as DuPont de Nemours Inc., Teijin Limited, Honeywell International Inc., Kolon Industries Inc., Royal DSM N.V., Toray Industries Inc., Mitsui Chemicals Inc., Kuraray Co. Ltd., Solvay S.A., BASF SE, 3M Company, LyondellBasell Industries N.V., Hexcel Corporation, SGL Carbon SE, Owens Corning, Avient Corporation, Covestro AG, SABIC, Arkema S.A., Celanese Corporation, Asahi Kasei Corporation, Nippon Electric

Glass Co. Ltd., Saint-Gobain S.A., Dow Inc., and Evonik Industries AG.

Major wholesalers and distributors include Atlantic Diving Supply Inc., Lawmen Supply Company Inc., Galls LLC, Quartermaster Inc., Security Pro USA LLC, Tactical Distributors Inc., U.S. Patriot Tactical LLC, Atlantic Tactical Inc., OfficerStore LLC, Safariland LLC, Armor Express Inc., Point Blank Enterprises Inc., Hardwire LLC, Federal Resources Supply Company, Quantico Tactical Inc., Sourcewell, MARS Armor, Tactical Gear Distributors Inc., Grainger Inc., Fastenal Company, WESCO International Inc., RS Group plc, Ferguson Enterprises Inc., MSC Industrial Supply Co., and Applied Industrial Technologies Inc.

Key end users span important organizations such as the U.S. Department of Defense, NATO, U.S. Army, Marine Corps, Navy, FBI, Department of Homeland Security, U.S. Secret Service, Air Force, major police departments in New York, Los Angeles, Chicago, the Metropolitan Police Service in the UK, French National Gendarmerie, Bundeswehr Armed Forces, Indian Armed Forces, Central Reserve Police Force, Border Security Force, Israel Defense Forces, Australian Defence Force, Canadian Armed Forces, South African Police Service, United Nations Peacekeeping Forces, Special Air Service, and Blackwater Worldwide Security Services.

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