

Global Body Armor Plates Market Size Study & Forecast, by Level (Level IIA, Level II, Level IIIA, Level III, Level IV), By Application (Defense, Law Enforcement Protection, Civilian), By Material (Steel, Aramid, Composite Ceramic, UHMWPE, others) and Regional Analysis, 2023-2030

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Abstracts

Global Body Armor Plates Market is valued approximately at USD 1.89 billion in 2022 and is anticipated to grow with a growth rate of more than 5.5% over the forecast period 2023-2030. In protective suits, the body armor plates act as shields and add an additional layer of protection. They are frequently built up of a combination of ceramics and materials that can withstand being shot at. These are widely used in bulletproof vests to help guard against rifle and handgun rounds. The demand for armor plates has substantially increased as a result of the rise in territorial disputes between countries throughout the world. Furthermore, the growing demand for protective shields among civilians has propelled the market expansion across the globe.

The growing demand for body armor plates as part of the larger defense sector is driven by the rise in military spending across the globe. According to the Stockholm International Peace Research Institute, world military expenditure rose by 3.7 percent in 2022, and is projected to reach a record high of USD2240 billion. Global spending grew by 19 percent over the decade 2013–22 and has risen every year since 2015. Over the forecast period, the market expansion is anticipated to be fueled by technical advancements in the manufacturing processes of body armor plates and an increasing availability of lightweight body armor globally. However, the adoption of body armor plates may be constrained by their expensive price, especially by low-budget law enforcement organizations or private consumers which in turn stifles market growth

throughout the forecast period of 2023-2030.

The key regions considered for the Global Body Armor Plates Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022. The armed forces receive full body armor from the government through programs like the Soldier Protection System-Torso (SPS-T) and Extremity Protection Programme (EPP). For instance, the SPS-T attempts to provide improved torso protection while the EPP concentrates on boosting protection for soldiers' arms and legs. By encouraging innovation and investment in protective gear, these programs have the potential to have a significant market impact and are projected to spur market expansion in the local area. Asia Pacific is expected to be the fastest growing region during the projection period as the market for protection equipment plates in this region is driven by the extensive modernization efforts of conventional systems and the rise in armed conflict and border conflicts in nations with economies such as China, India, and South Korea. These nations are making significant investments in their arsenal of weapons, which includes creating and obtaining cutting-edge armor plates. Additionally, the requirement for providing personal protection to ground soldiers in the Asia Pacific area, together with consistent government spending in the acquisition of competitive armaments and personal protection gear, is anticipated to fuel regional market expansion.

Major market players included in this report are:

AEGIS Engineering Systems
Armored Republic, LLC
BAE Systems
Ceradyne Inc. (Subsidiary of 3M)
Hellweg International
Ballistic Body Armour Pty.
Craig International Ballistics Pty. Ltd.
Pacific Safety Products
Point Blank Enterprises, Inc.
Safariland, LLC

Recent Developments in the Market:

In January 2023, a major international supplier of ballistic and armored protection, NT Armor, joined the American market by being an exhibitor at the Las Vegas SHOT Show in 2023. The international armor and police enforcement industry trade event is called SHOT. With this entry, The NT Armor expects to expand its customer base and partner network in the American market.

In January 2023, TenCate, a well-known business situated in Virginia, recently unveiled its most recent and cutting-edge body armor plate. The recently released body armour plate uses the company's own Trauma Reduction Technology to lessen heat stress.

Thinner plates are now more effective with rifle bullets thanks to this technology.

In January 2023, headquartered in California, FoxFury Lighting Solutions launched the Taker B52 shield light for armoured plates. The lights are retrofittable and can be installed easily on armoured shields and plates. Taker B52 offers light-changing options for better visibility and aims to provide proper night vision for army troops.

Global Body Armor Plates Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered -Level, Application, Material, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Level:

Level IIA

Level II

Level IIIA

Level III

Level IV

By Application:

Defense
Law Enforcement Protection
Civilians

By Material:

Steel
Aramid
Composite Ceramic
UHMWPE
Others

By Region:

North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
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