

Human Augmentation Market Forecasts to 2028 – Global Analysis By Functionality (Non-Body Worn, Body Worn), Technology (Virtual Reality, Exoskeleton, Augmented Intelligence, Augmented Reality), and By Geography

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Abstracts

According to Statistics MRC, the Global Human Augmentation Market is accounted for \$86.36 billion in 2020 and is expected to reach \$418.28 billion by 2028 growing at a CAGR of 21.8% during the forecast period. Some of the key factors propelling the market growth include rising popularity of wearable augmentation products, surge in technology penetration in healthcare, and growing use of exoskeletons in military applications and advanced modification in the human body. However, lack of security as well as shortage of skilled professional may hamper the market growth.

Human augmentation refers to the technologies that are used for bringing physical improvement in the integral parts of the human body. It is the integration of electronics, biotechnology, and machines that are used to improve the existing or required skills in humans by the use of artificial or natural methods. It has experienced a chief improvement towards its application, mostly in healthcare, military, and defense, and manufacturing organizations are also financing in arranging this technology in the form of exoskeletons. It is also called as human 2.0 and human performance enhancement (HPE).

By technology, the virtual reality segment is anticipated to grow at a significant rate during the forecast period, due to growing use in applications such as education and e-retailing sectors owing to the provision of easy learning and promotions and advertising, respectively and the use of virtual reality will eliminate physical computers and create an exponentially increasing base of remote workers as well as reduce operating costs.

Based on the Geography, Asia Pacific is projected to have considerable market growth during the forecast period, owing to rising investment in research & development, growing innovative applications of augmentation products, increasing demographics and economies in developing countries such as India and China, rising awareness about the benefits of medical wearable augmentation devices among the consumers n, and increasing awareness and development in exoskeleton technology.

Some of the key players in Human Augmentation Market include General Motors, Panasonic Corporation, Samsung Electronics Co. Ltd., Garmin, Vuzix Corporation, B-Temia Inc., Toyota Motor Corporation, Google Inc., Life Sense Group B.V, Raytheon Company, Fossil Group Inc., Magic Leap Inc., Ekso Bionics Holdings Inc., Casio, BrainGate Company, Parker Hannifin Corp, Rewalk Robotics Inc., and Atheer, Inc.

Functionalities Covered:

Non-Body Worn

Body Worn

Technologies Covered:

Virtual Reality

Exoskeleton

Wearable Augmentation

Augmented Intelligence

Augmented Reality

Intelligent Virtual Assistant

In-Built Augmentation

Sales Channels Covered:

Distributor

Direct Sales

Applications Covered:

Aerospace and Defense

Healthcare

Industrial

Information Technology (IT)

Manufacturing

Consumer Electronics

Commercial

Automotive

Banking, Financial Services and Insurance (BFSI)

Enterprise

Government

Medical

Energy and Utility

Travel & Hospitality

Military

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis, etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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