

Global Smart Clothing and Textile Technologies and Applications Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Smart Clothing and Textile Technologies and Applications market size was valued at USD 2208.1 million in 2023 and is forecast to a readjusted size of USD 4035.5 million by 2030 with a CAGR of 9.0% during review period.

As the size and cost of microprocessors continues to shrink, these devices are starting to be integrated into various apparel and textile devices. These smart clothing devices have the ability to interact with the user or the user's environment through embedded sensors or conductive fabrics. This research analysis examines the smart clothing market and the drivers and inhibitors for both manufacturers and users of this technology. It includes a brief evolution of wearable devices, a look at the industries being impacted by this technology, smart clothing, and other wearable device forecasts, and how smart clothing fits into this wearable technological progression. It closes with a look at the vendors that are operating in this space, what is currently available in the market, and what the future holds for smart clothing.

Intelligent fashion is clothing and clothing that enhance functions through technology. Some smart garments use advanced textiles with interwoven circuits, while others implement sensors and additional hardware to give them smart functions. Many smart clothes can connect to apps or programs on assistive devices using Bluetooth or Wi-Fi. Global Smart Clothing key players include Nike, Adidas, Under Armour, Hexoskin (Carre Technologies), Levi's, etc. Global top 3 manufacturers hold a Market Share over 25%. North America accounts for the most Production Market Share, which have a share over 40%, followed by Europe. In terms of product, Second Generation Product is the largest segment, with a Production Market Share over 45%. And in terms of

application, the largest Application is Sports Industry, followed by Military.

The Global Info Research report includes an overview of the development of the Smart Clothing and Textile Technologies and Applications industry chain, the market status of Architecture (Active Smart Textile, Passive Smart Textile), Fashion and Entertainment (Active Smart Textile, Passive Smart Textile), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Smart Clothing and Textile Technologies and Applications.

Regionally, the report analyzes the Smart Clothing and Textile Technologies and Applications markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Smart Clothing and Textile Technologies and Applications market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Smart Clothing and Textile Technologies and Applications market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Smart Clothing and Textile Technologies and Applications industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Active Smart Textile, Passive Smart Textile).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Smart Clothing and Textile Technologies and Applications market.

Regional Analysis: The report involves examining the Smart Clothing and Textile Technologies and Applications market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within

different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Smart Clothing and Textile Technologies and Applications market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Smart Clothing and Textile Technologies and Applications:

Company Analysis: Report covers individual Smart Clothing and Textile Technologies and Applications players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Smart Clothing and Textile Technologies and Applications. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Architecture, Fashion and Entertainment).

Technology Analysis: Report covers specific technologies relevant to Smart Clothing and Textile Technologies and Applications. It assesses the current state, advancements, and potential future developments in Smart Clothing and Textile Technologies and Applications areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Smart Clothing and Textile Technologies and Applications market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Smart Clothing and Textile Technologies and Applications market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application

in terms of value.

Market segment by Type

Active Smart Textile

Passive Smart Textile

Very Smart Textile

Market segment by Application

Architecture

Fashion and Entertainment

Medical

Defense and Military

Sports & Fitness

Transportation

Market segment by players, this report covers

Adidas

AdvanPro

Advanced Nano Products(ANP)

AiQ Smart Clothing

Alexium

Alphabet

Alltracel Pharmaceuticals

Applied DNA Sciences

ARC Outdoors

Asahi Kasei

Avelana

Balton

BASF

Tamicare

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Smart Clothing and Textile Technologies and Applications product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Smart Clothing and Textile Technologies and Applications, with revenue, gross margin and global market share of Smart Clothing and

Textile Technologies and Applications from 2019 to 2024.

Chapter 3, the Smart Clothing and Textile Technologies and Applications competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Smart Clothing and Textile Technologies and Applications market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Smart Clothing and Textile Technologies and Applications.

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