

# Global Smart Fabrics and Textiles Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# Abstracts

According to our (Global Info Research) latest study, the global Smart Fabrics and Textiles market size was valued at USD 3620.9 million in 2023 and is forecast to a readjusted size of USD 10700 million by 2030 with a CAGR of 16.7% during review period.

Smart Fabrics and Textiles are fabrics that have been designed and manufactured to include technologies that provide the wearer with increased functionality.

Smart Fabrics and Textiles are defined as textiles that can sense and react via an active control mechanism to environmental conditions or stimuli from mechanical, thermal, chemical, electrical or magnetic sources.

Global Smart Fabrics and Textiles key players include Textronics, Milliken, Toray Industries, Peratech, etc. Global top four manufacturers hold a share about 25%.

North America is the largest market, with a share about 50%, followed by China, and Europe, both have a share over 30 percent.

In terms of product, Passive Smart Fabrics and Textiles is the largest segment, with a share over 35%. And in terms of application, the largest application is Military Uses, followed by Civil Uses, Healthcare Uses, etc.

The Global Info Research report includes an overview of the development of the Smart Fabrics and Textiles industry chain, the market status of Military (Passive Smart Fabrics and Textiles, Active Smart Fabrics and Textiles), Civil (Passive Smart Fabrics and



Textiles, Active Smart Fabrics and Textiles), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Smart Fabrics and Textiles.

Regionally, the report analyzes the Smart Fabrics and Textiles 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 Fabrics and Textiles market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Smart Fabrics and Textiles 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 Fabrics and Textiles 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 sales quantity (K sqm), revenue generated, and market share of different by Type (e.g., Passive Smart Fabrics and Textiles, Active Smart Fabrics and Textiles).

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 Fabrics and Textiles market.

Regional Analysis: The report involves examining the Smart Fabrics and Textiles 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 Fabrics and Textiles 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 Fabrics and Textiles:



Company Analysis: Report covers individual Smart Fabrics and Textiles manufacturers, 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 Fabrics and Textiles This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Military, Civil).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Smart Fabrics and Textiles 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 Fabrics and Textiles 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 volume and value.

Market segment by Type

Passive Smart Fabrics and Textiles

Active Smart Fabrics and Textiles

**Ultra-Smart Fabrics and Textiles** 

Market segment by Application



Military

Civil

Healthcare

Others

Major players covered

Textronics

Milliken

**Toray Industries** 

Peratech

DuPont

Clothing+

Outlast

d3o lab

Schoeller Textiles AG

**Texas Instruments** 

Exo2

Vista Medical Ltd.

Ohmatex ApS

Interactive Wear AG



Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Smart Fabrics and Textiles product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Smart Fabrics and Textiles, with price, sales, revenue and global market share of Smart Fabrics and Textiles from 2019 to 2024.

Chapter 3, the Smart Fabrics and Textiles competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Smart Fabrics and Textiles breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and Smart Fabrics and Textiles market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.



Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Smart Fabrics and Textiles.

Chapter 14 and 15, to describe Smart Fabrics and Textiles sales channel, distributors, customers, research findings and conclusion.



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