

Global Smart Fabrics and Textiles Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Smart Fabrics and Textiles market size was valued at US\$ 4987 million in 2024 and is forecast to a readjusted size of USD 14870 million by 2031 with a CAGR of 17.1% 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.

This report is a detailed and comprehensive analysis for global Smart Fabrics and Textiles market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is

constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Smart Fabrics and Textiles market size and forecasts, in consumption value (\$ Million), sales quantity (K sqm), and average selling prices (USD/sqm), 2020-2031

Global Smart Fabrics and Textiles market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K sqm), and average selling prices (USD/sqm), 2020-2031

Global Smart Fabrics and Textiles market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K sqm), and average selling prices (USD/sqm), 2020-2031

Global Smart Fabrics and Textiles market shares of main players, shipments in revenue (\$ Million), sales quantity (K sqm), and ASP (USD/sqm), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Smart Fabrics and Textiles

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Smart Fabrics and Textiles market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Textronics, Milliken, Toray Industries, Peratech, DuPont, Clothing+, Outlast, d3o lab, Schoeller Textiles AG, Texas Instruments, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Market Segmentation

Smart Fabrics and Textiles market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

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 quantity, revenue, and global market share of Smart Fabrics and Textiles from 2020 to 2025.

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 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Smart Fabrics and Textiles market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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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