

# Global Smart Fabrics and Textiles Competitive Landscape Professional Research Report 2025

<https://marketpublishers.com/r/S5C0F8CE638AEN.html>

Date: June 2025

Pages: 165

Price: US\$ 3,500.00 (Single User License)

ID: S5C0F8CE638AEN

## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Smart Fabrics and Textiles market size will reach 6,287.05 Million USD in 2025 and is projected to reach 20,134.40 Million USD by 2032, with a CAGR of 18.09% (2025-2032). Notably, the China Smart Fabrics and Textiles market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Smart fabrics and textiles are innovative materials embedded with electronic components or functional coatings that enable them to perform additional functionalities beyond traditional textiles. These textiles can incorporate sensors, actuators, conductive fibers, and other electronic elements to provide features such as sensing, monitoring, communication, and energy harvesting capabilities. Smart fabrics find applications in various industries, including healthcare for monitoring vital signs and delivering therapeutic treatments, sports and fitness for tracking performance and enhancing comfort, military and aerospace for providing protection and enhancing situational awareness, and fashion for integrating interactive and customizable features into garments. With ongoing advancements in materials science and electronics, smart fabrics and textiles continue to evolve, offering endless possibilities for enhancing comfort, functionality, and performance across diverse applications and industries.

The major global manufacturers of Smart Fabrics and Textiles include Textronics, Milliken, Toray Industries, Peratech, DuPont, Clothing+, Outlast, d3o lab, Texas

Instruments, Schoeller Textiles, Vista Medical Ltd., Exo2, Ohmatex ApS, Interactive Wear, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Smart Fabrics and Textiles. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Smart Fabrics and Textiles market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Smart Fabrics and Textiles market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Smart Fabrics and Textiles industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Smart Fabrics and Textiles Include:

Textronics

Milliken

Toray Industries

Peratech

DuPont

Clothing+

Outlast

d3o lab

Texas Instruments

Schoeller Textiles

Vista Medical Ltd.

Exo2

Ohmatex ApS

Interactive Wear

Smart Fabrics and Textiles Product Segment Include:

Passive Smart Fabrics and Textiles

Active Smart Fabrics and Textiles

Ultra-Smart Fabrics and Textiles

Smart Fabrics and Textiles Product Application Include:

Military

Civil

Healthcare

Others

## **Chapter Scope**

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Smart Fabrics and Textiles Capacity and Production Analysis

Chapter 3: Global Smart Fabrics and Textiles Industry PESTEL Analysis

Chapter 4: Global Smart Fabrics and Textiles Industry Porter's Five Forces Analysis

Chapter 5: Global Smart Fabrics and Textiles Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 6: Global Smart Fabrics and Textiles Market Size and Forecast by Type and Application Analysis

Chapter 7: North America Smart Fabrics and Textiles Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: Europe Smart Fabrics and Textiles Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: China Smart Fabrics and Textiles Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: APAC (Excl. China) Smart Fabrics and Textiles Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment

Analysis, Countries Analysis)

Chapter 11: Latin America Smart Fabrics and Textiles Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Middle East and Africa Smart Fabrics and Textiles Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 13: Global Smart Fabrics and Textiles Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 14: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 15: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 16: Research Findings and Conclusion

Chapter 17: Methodology and Data Sources

## Contents

### **1 SMART FABRICS AND TEXTILES MARKET OVERVIEW**

- 1.1 Product Definition and Statistical Scope
- 1.2 Smart Fabrics and Textiles Product by Type
  - 1.2.1 Passive Smart Fabrics and Textiles
  - 1.2.2 Active Smart Fabrics and Textiles
  - 1.2.3 Ultra-Smart Fabrics and Textiles
- 1.3 Smart Fabrics and Textiles Product by Application
  - 1.3.1 Military
  - 1.3.2 Civil
  - 1.3.3 Healthcare
  - 1.3.4 Others
- 1.4 Global Smart Fabrics and Textiles Market Revenue and Sales Analysis
  - 1.4.1 Global Smart Fabrics and Textiles Revenue Market Size Analysis (2020-2032)
  - 1.4.2 Global Smart Fabrics and Textiles Sales Market Size Analysis (2020-2032)
  - 1.4.3 Global Smart Fabrics and Textiles Market Sales Price Trend Analysis (2020-2032)
- 1.5 Smart Fabrics and Textiles Industry Trends and Innovation
  - 1.5.1 Smart Fabrics and Textiles Industry Trends and Innovation
  - 1.5.2 Smart Fabrics and Textiles Market Drivers and Challenges

### **2 GLOBAL SMART FABRICS AND TEXTILES CAPACITY AND PRODUCTION ANALYSIS**

- 2.1 Global Smart Fabrics and Textiles Capacity, Production and Utilization (2020-2032)
- 2.2 Global Smart Fabrics and Textiles Production Growth Trend by Region: 2024 VS 2025 VS 2030
- 2.3 Global Smart Fabrics and Textiles Production by Region
  - 2.3.1 Global Smart Fabrics and Textiles Production by Region (2020-2025)
  - 2.3.2 Global Smart Fabrics and Textiles Production Forecast by Region (2026-2032)
  - 2.3.3 Global Smart Fabrics and Textiles Production Market Share by Region (2020-2032)

### **3 SMART FABRICS AND TEXTILES MARKET PESTEL ANALYSIS**

- 3.1 Political Factors Analysis
- 3.2 Economic Factors Analysis

- 3.3 Social Factors Analysis
- 3.4 Technological Factors Analysis
- 3.5 Environmental Factors Analysis
- 3.6 Legal Factors Analysis

## **4 SMART FABRICS AND TEXTILES MARKET PORTER'S FIVE FORCES ANALYSIS**

- 4.1 Competitive Rivalry
- 4.2 Threat of New Entrants
- 4.3 Bargaining Power of Suppliers
- 4.4 Bargaining Power of Buyers
- 4.5 Threat of Substitutes

## **5 GLOBAL SMART FABRICS AND TEXTILES MARKET ANALYSIS BY REGIONS**

- 5.1 Smart Fabrics and Textiles Overall Market: 2024 VS 2025 VS 2032
- 5.2 Global Smart Fabrics and Textiles Revenue and Forecast Analysis (2020-2032)
  - 5.2.1 Global Smart Fabrics and Textiles Revenue and Market Share by Region (2020-2025)
  - 5.2.2 Global Smart Fabrics and Textiles Revenue and Market Forecast by Region (2026-2032)
- 5.3 Global Smart Fabrics and Textiles Sales and Forecast Analysis (2020-2032)
  - 5.3.1 Global Smart Fabrics and Textiles Sales and Market Share by Region (2020-2025)
  - 5.3.2 Global Smart Fabrics and Textiles Sales and Market Forecast by Region (2026-2032)
- 5.4 Global Smart Fabrics and Textiles Sales Price Trend Analysis (2020-2032)

## **6 GLOBAL SMART FABRICS AND TEXTILES MARKET SIZE BY TYPE AND APPLICATION**

- 6.1 Global Smart Fabrics and Textiles Market Size by Type
  - 6.1.1 Global Smart Fabrics and Textiles Revenue and Forecast Analysis by Type (2020-2032)
  - 6.1.2 Global Smart Fabrics and Textiles Sales and Forecast Analysis by Type (2020-2032)
- 6.2 Global Smart Fabrics and Textiles Market Size by Application
  - 6.2.1 Global Smart Fabrics and Textiles Revenue and Forecast Analysis by Application (2020-2032)

6.2.2 Global Smart Fabrics and Textiles Sales and Forecast Analysis by Application (2020-2032)

## **7 NORTH AMERICA**

7.1 North America Smart Fabrics and Textiles Market Size and Growth Rate Analysis (2020-2032)

7.2 North America Key Manufacturers Analysis

7.3 North America Smart Fabrics and Textiles Market Size by Type

7.3.1 North America Smart Fabrics and Textiles Sales by Type (2020-2032)

7.3.2 North America Smart Fabrics and Textiles Revenue by Type (2020-2032)

7.4 North America Smart Fabrics and Textiles Market Size by Application

7.4.1 North America Smart Fabrics and Textiles Sales by Application (2020-2032)

7.4.2 North America Smart Fabrics and Textiles Revenue by Application (2020-2032)

7.5 North America Smart Fabrics and Textiles Market Size by Country

7.5.1 US

7.5.2 Canada

## **8 EUROPE**

8.1 Europe Smart Fabrics and Textiles Market Size and Growth Rate Analysis (2020-2032)

8.2 Europe Key Manufacturers Analysis

8.3 Europe Smart Fabrics and Textiles Market Size by Type

8.3.1 Europe Smart Fabrics and Textiles Sales by Type (2020-2032)

8.3.2 Europe Smart Fabrics and Textiles Revenue by Type (2020-2032)

8.4 Europe Smart Fabrics and Textiles Market Size by Application

8.4.1 Europe Smart Fabrics and Textiles Sales by Application (2020-2032)

8.4.2 Europe Smart Fabrics and Textiles Revenue by Application (2020-2032)

8.5 Europe Smart Fabrics and Textiles Market Size by Country

8.5.1 Germany

8.5.2 France

8.5.3 United Kingdom

8.5.4 Italy

8.5.5 Spain

8.5.6 Benelux

## **9 CHINA**

9.1 China Smart Fabrics and Textiles Market Size and Growth Rate Analysis (2020-2032)

9.2 China Key Manufacturers Analysis

9.3 China Smart Fabrics and Textiles Market Size by Type

9.3.1 China Smart Fabrics and Textiles Sales by Type (2020-2032)

9.3.2 China Smart Fabrics and Textiles Revenue by Type (2020-2032)

9.4 China Smart Fabrics and Textiles Market Size by Application

9.4.1 China Smart Fabrics and Textiles Sales by Application (2020-2032)

9.4.2 China Smart Fabrics and Textiles Revenue by Application (2020-2032)

## **10 APAC (EXCL. CHINA)**

10.1 APAC (excl. China) Smart Fabrics and Textiles Market Size and Growth Rate Analysis (2020-2032)

10.2 APAC (excl. China) Key Manufacturers Analysis

10.3 APAC (excl. China) Smart Fabrics and Textiles Market Size by Type

10.3.1 APAC (excl. China) Smart Fabrics and Textiles Sales by Type (2020-2032)

10.3.2 APAC (excl. China) Smart Fabrics and Textiles Revenue by Type (2020-2032)

10.4 APAC (excl. China) Smart Fabrics and Textiles Market Size by Application

10.4.1 APAC (excl. China) Smart Fabrics and Textiles Sales by Application (2020-2032)

10.4.2 APAC (excl. China) Smart Fabrics and Textiles Revenue by Application (2020-2032)

10.5 APAC (excl. China) Smart Fabrics and Textiles Market Size by Country

10.5.1 Japan

10.5.2 South Korea

10.5.3 India

10.5.4 Australia

10.5.5 Southeast Asia

## **11 LATIN AMERICA**

11.1 Latin America Smart Fabrics and Textiles Market Size and Growth Rate Analysis (2020-2032)

11.2 Latin America Key Manufacturers Analysis

### **11.3 LATIN AMERICA SMART FABRICS AND TEXTILES MARKET SIZE BY TYPE**

11.3.1 Latin America Smart Fabrics and Textiles Sales by Type (2020-2032)

- 11.3.2 Latin America Smart Fabrics and Textiles Revenue by Type (2020-2032)
- 11.4 Latin America Smart Fabrics and Textiles Market Size by Application
  - 11.4.1 Latin America Smart Fabrics and Textiles Sales by Application (2020-2032)
  - 11.4.2 Latin America Smart Fabrics and Textiles Revenue by Application (2020-2032)
- 11.5 Latin America Smart Fabrics and Textiles Market Size by Country
- 11.6 Latin America Smart Fabrics and Textiles Market Size by Country
  - 11.6.1 Mexico
  - 11.6.2 Brazil

## **12 MIDDLE EAST & AFRICA**

- 12.1 Middle East & Africa Smart Fabrics and Textiles Market Size and Growth Rate Analysis (2020-2032)
- 12.2 Middle East & Africa Key Manufacturers Analysis
- 12.3 Middle East & Africa Smart Fabrics and Textiles Market Size by Type
  - 12.3.1 Middle East & Africa Smart Fabrics and Textiles Sales by Type (2020-2032)
  - 12.3.2 Middle East & Africa Smart Fabrics and Textiles Revenue by Type (2020-2032)
- 12.4 Middle East & Africa Smart Fabrics and Textiles Market Size by Application
  - 12.4.1 Middle East & Africa Smart Fabrics and Textiles Sales by Application (2020-2032)
  - 12.4.2 Middle East & Africa Smart Fabrics and Textiles Revenue by Application (2020-2032)
- 12.5 Middle East Smart Fabrics and Textiles Market Size by Country
  - 12.5.1 Saudi Arabia
  - 12.5.2 South Africa

## **13 COMPETITION BY MANUFACTURERS**

- 13.1 Global Smart Fabrics and Textiles Market Sales, Revenue and Price by Key Manufacturers (2021-2025)
  - 13.1.1 Global Smart Fabrics and Textiles Market Sales by Key Manufacturers (2021-2025)
  - 13.1.2 Global Smart Fabrics and Textiles Market Revenue by Key Manufacturers (2021-2025)
  - 13.1.3 Global Smart Fabrics and Textiles Average Sales Price by Manufacturers (2021-2025)
- 13.2 Smart Fabrics and Textiles Competitive Landscape Analysis and Market Dynamic
  - 13.2.1 Smart Fabrics and Textiles Competitive Landscape Analysis
  - 13.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

### 13.2.3 Market Dynamic

## 14 KEY COMPANIES ANALYSIS

### 14.1 Textronics

14.1.1 Textronics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.1.2 Textronics Smart Fabrics and Textiles Product Portfolio

14.1.3 Textronics Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.2 Milliken

14.2.1 Milliken Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.2.2 Milliken Smart Fabrics and Textiles Product Portfolio

14.2.3 Milliken Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.3 Toray Industries

14.3.1 Toray Industries Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.3.2 Toray Industries Smart Fabrics and Textiles Product Portfolio

14.3.3 Toray Industries Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.4 Peratech

14.4.1 Peratech Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.4.2 Peratech Smart Fabrics and Textiles Product Portfolio

14.4.3 Peratech Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.5 DuPont

14.5.1 DuPont Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.5.2 DuPont Smart Fabrics and Textiles Product Portfolio

14.5.3 DuPont Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.6 Clothing+

14.6.1 Clothing+ Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.6.2 Clothing+ Smart Fabrics and Textiles Product Portfolio

14.6.3 Clothing+ Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales,

Price, Gross Margin and Market Share) (2021-2025)

#### 14.7 Outlast

14.7.1 Outlast Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.7.2 Outlast Smart Fabrics and Textiles Product Portfolio

14.7.3 Outlast Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

#### 14.8 d3o lab

14.8.1 d3o lab Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.8.2 d3o lab Smart Fabrics and Textiles Product Portfolio

14.8.3 d3o lab Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

#### 14.9 Texas Instruments

14.9.1 Texas Instruments Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.9.2 Texas Instruments Smart Fabrics and Textiles Product Portfolio

14.9.3 Texas Instruments Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

#### 14.10 Schoeller Textiles

14.10.1 Schoeller Textiles Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.10.2 Schoeller Textiles Smart Fabrics and Textiles Product Portfolio

14.10.3 Schoeller Textiles Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

#### 14.11 Vista Medical Ltd.

14.11.1 Vista Medical Ltd. Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.11.2 Vista Medical Ltd. Smart Fabrics and Textiles Product Portfolio

14.11.3 Vista Medical Ltd. Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

#### 14.12 Exo2

14.12.1 Exo2 Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.12.2 Exo2 Smart Fabrics and Textiles Product Portfolio

14.12.3 Exo2 Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

#### 14.13 Ohmatex ApS

14.13.1 Ohmatex ApS Basic Company Profile (Employees, Areas Service,

## Competitors and Contact Information)

14.13.2 Ohmatex ApS Smart Fabrics and Textiles Product Portfolio

14.13.3 Ohmatex ApS Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

## 14.14 Interactive Wear

14.14.1 Interactive Wear Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.14.2 Interactive Wear Smart Fabrics and Textiles Product Portfolio

14.14.3 Interactive Wear Smart Fabrics and Textiles Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

## **15 INDUSTRY CHAIN ANALYSIS**

15.1 Smart Fabrics and Textiles Industry Chain Analysis

15.2 Smart Fabrics and Textiles Industry Raw Material and Suppliers Analysis

15.2.1 Smart Fabrics and Textiles Key Raw Material Supply Analysis

15.2.2 Raw Material Suppliers and Contact Information

15.3 Smart Fabrics and Textiles Typical Downstream Customers

15.4 Smart Fabrics and Textiles Sales Channel Analysis

## **16 RESEARCH FINDINGS AND CONCLUSION**

## **17 METHODOLOGY AND DATA SOURCE**

17.1 Methodology/Research Approach

17.2 Research Scope

17.3 Benchmarks and Assumptions

17.4 Data Source

17.4.1 Primary Sources

17.4.2 Secondary Sources

17.5 Data Cross Validation

17.6 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1: Global Smart Fabrics and Textiles Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Smart Fabrics and Textiles Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Smart Fabrics and Textiles Industry Development Status

Table 4: Smart Fabrics and Textiles Industry Development Trends

Table 5: Global Smart Fabrics and Textiles Production Growth Rate (CAGR) by Region: 2024 VS 2025 VS 2032 (K Sqm)

Table 6: Global Smart Fabrics and Textiles Production by Region (2020-2025) & (K Sqm)

Table 7: Global Smart Fabrics and Textiles Production Forecast by Region (2026-2032) & (K Sqm)

Table 8: Global Smart Fabrics and Textiles Production Market Share by Region (2020-2025)

Table 9: Global Smart Fabrics and Textiles Production Market Share by Region (2026-2032)

Table 10: Global Smart Fabrics and Textiles Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 11: Global Smart Fabrics and Textiles Revenue by Region (2020-2025) & (US\$ Million)

Table 12: Global Smart Fabrics and Textiles Revenue Market Share by Region (2020-2025)

Table 13: Global Smart Fabrics and Textiles Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 14: Global Smart Fabrics and Textiles Revenue Market Share Forecast by Region (2026-2032)

Table 15: Global Smart Fabrics and Textiles Sales by Region (2020-2025) & (K Sqm)

Table 16: Global Smart Fabrics and Textiles Sales Market Share by Region (2020-2025)

Table 17: Global Smart Fabrics and Textiles Sales Forecast by Region (2026-2032) & (K Sqm)

Table 18: Global Smart Fabrics and Textiles Sales Market Share Forecast by Region (2026-2032)

Table 19: Global Smart Fabrics and Textiles Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 20: Global Smart Fabrics and Textiles Revenue Analysis Forecast by Type

(2026-2032) & (US\$ Million)

Table 21: Global Smart Fabrics and Textiles Sales Analysis by Type (2020-2025) & (K Sqm)

Table 22: Global Smart Fabrics and Textiles Sales Analysis Forecast by Type (2026-2032) & (K Sqm)

Table 23: Global Smart Fabrics and Textiles Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 24: Global Smart Fabrics and Textiles Revenue Analysis Forecast by Application (2026-2032) & (US\$ Million)

Table 25: Global Smart Fabrics and Textiles Sales Analysis by Application (2020-2025) & (K Sqm)

Table 26: Global Smart Fabrics and Textiles Sales Analysis Forecast by Application (2026-2032) & (K Sqm)

Table 27: Key Smart Fabrics and Textiles Players in North America

Table 28: North America Smart Fabrics and Textiles Sales by Type (2020-2025) & (K Sqm)

Table 29: North America Smart Fabrics and Textiles Sales by Type (2026-2032) & (K Sqm)

Table 30: North America Smart Fabrics and Textiles Revenue by Type (2020-2025) & (US\$ Million)

Table 31: North America Smart Fabrics and Textiles Revenue by Type (2026-2032) & (US\$ Million)

Table 32: North America Smart Fabrics and Textiles Sales by Application (2020-2025) & (K Sqm)

Table 33: North America Smart Fabrics and Textiles Sales by Application (2026-2032) & (K Sqm)

Table 34: North America Smart Fabrics and Textiles Revenue by Application (2020-2025) & (US\$ Million)

Table 35: North America Smart Fabrics and Textiles Revenue by Application (2026-2032) & (US\$ Million)

Table 36: North America Smart Fabrics and Textiles Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 37: North America Smart Fabrics and Textiles Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 38: North America Smart Fabrics and Textiles Sales Market Size by Country (2020-2025) & (K Sqm)

Table 39: North America Smart Fabrics and Textiles Sales Market Size by Country (2026-2032) & (K Sqm)

Table 40: Key Smart Fabrics and Textiles Players in Europe

Table 41: Europe Smart Fabrics and Textiles Sales by Type (2020-2025) & (K Sqm)

Table 42: Europe Smart Fabrics and Textiles Sales by Type (2026-2032) & (K Sqm)

Table 43: Europe Smart Fabrics and Textiles Revenue by Type (2020-2025) & (US\$ Million)

Table 44: Europe Smart Fabrics and Textiles Revenue by Type (2026-2032) & (US\$ Million)

Table 45: Europe Smart Fabrics and Textiles Sales by Application (2020-2025) & (K Sqm)

Table 46: Europe Smart Fabrics and Textiles Sales by Application (2026-2032) & (K Sqm)

Table 47: Europe Smart Fabrics and Textiles Revenue by Application (2020-2025) & (US\$ Million)

Table 48: Europe Smart Fabrics and Textiles Revenue by Application (2026-2032) & (US\$ Million)

Table 49: Europe Smart Fabrics and Textiles Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 50: Europe Smart Fabrics and Textiles Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 51: Europe Smart Fabrics and Textiles Sales Market Size by Country (2020-2025) & (K Sqm)

Table 52: Europe Smart Fabrics and Textiles Sales Market Size Forecast by Country (2026-2032) & (K Sqm)

Table 53: Key Smart Fabrics and Textiles Players in China

Table 54: China Smart Fabrics and Textiles Sales by Type (2020-2025) & (K Sqm)

Table 55: China Smart Fabrics and Textiles Sales by Type (2026-2032) & (K Sqm)

Table 56: China Smart Fabrics and Textiles Revenue by Type (2020-2025) & (US\$ Million)

Table 57: China Smart Fabrics and Textiles Revenue by Type (2026-2032) & (US\$ Million)

Table 58: China Smart Fabrics and Textiles Sales by Application (2020-2025) & (K Sqm)

Table 59: China Smart Fabrics and Textiles Sales by Application (2026-2032) & (K Sqm)

Table 60: China Smart Fabrics and Textiles Revenue by Application (2020-2025) & (US\$ Million)

Table 61: China Smart Fabrics and Textiles Revenue by Application (2026-2032) & (US\$ Million)

Table 62: Key Smart Fabrics and Textiles Players in APAC (excl. China)

Table 63: APAC (excl. China) Smart Fabrics and Textiles Sales by Type (2020-2025) &

(K Sqm)

Table 64: APAC (excl. China) Smart Fabrics and Textiles Sales by Type (2026-2032) & (K Sqm)

Table 65: APAC (excl. China) Smart Fabrics and Textiles Revenue by Type (2020-2025) & (US\$ Million)

Table 66: APAC (excl. China) Smart Fabrics and Textiles Revenue by Type (2026-2032) & (US\$ Million)

Table 67: APAC (excl. China) Smart Fabrics and Textiles Sales by Application (2020-2025) & (K Sqm)

Table 68: APAC (excl. China) Smart Fabrics and Textiles Sales by Application (2026-2032) & (K Sqm)

Table 69: APAC (excl. China) Smart Fabrics and Textiles Revenue by Application (2020-2025) & (US\$ Million)

Table 70: APAC (excl. China) Smart Fabrics and Textiles Revenue by Application (2026-2032) & (US\$ Million)

Table 71:: APAC (excl. China) Smart Fabrics and Textiles Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 72: APAC (excl. China) Smart Fabrics and Textiles Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 73: APAC (excl. China) Smart Fabrics and Textiles Sales Market Size by Country (2020-2025) & (K Sqm)

Table 74: APAC (excl. China) Smart Fabrics and Textiles Sales Market Size Forecast by Country (2026-2032) & (K Sqm)

Table 75: Key Smart Fabrics and Textiles Players in Latin America

Table 76: Latin America Smart Fabrics and Textiles Sales by Type (2020-2025) & (K Sqm)

Table 77: Latin America Smart Fabrics and Textiles Sales by Type (2026-2032) & (K Sqm)

Table 78: Latin America Smart Fabrics and Textiles Revenue by Type (2020-2025) & (US\$ Million)

Table 79: Latin America Smart Fabrics and Textiles Revenue by Type (2026-2032) & (US\$ Million)

Table 80: Latin America Smart Fabrics and Textiles Sales by Application (2020-2025) & (K Sqm)

Table 81: Latin America Smart Fabrics and Textiles Sales by Application (2026-2032) & (K Sqm)

Table 82: Latin America Smart Fabrics and Textiles Revenue by Application (2020-2025) & (US\$ Million)

Table 83: Latin America Smart Fabrics and Textiles Revenue by Application

(2026-2032) & (US\$ Million)

Table 84: Latin America Smart Fabrics and Textiles Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 85: Latin America Smart Fabrics and Textiles Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 86: Latin America Smart Fabrics and Textiles Sales Market Size by Country (2020-2025) & (K Sqm)

Table 87: Latin America Smart Fabrics and Textiles Sales Market Size Forecast by Country (2026-2032) & (K Sqm)

Table 88: Key Smart Fabrics and Textiles Players in Middle East & Africa

Table 89: Middle East & Africa Smart Fabrics and Textiles Sales by Type (2020-2025) & (K Sqm)

Table 90: Middle East & Africa Smart Fabrics and Textiles Sales by Type (2026-2032) & (K Sqm)

Table 91: Middle East & Africa Smart Fabrics and Textiles Revenue by Type (2020-2025) & (US\$ Million)

Table 92: Middle East & Africa Smart Fabrics and Textiles Revenue by Type (2026-2032) & (US\$ Million)

Table 93: Middle East & Africa Smart Fabrics and Textiles Sales by Application (2020-2025) & (K Sqm)

Table 94: Middle East & Africa Smart Fabrics and Textiles Sales by Application (2026-2032) & (K Sqm)

Table 95: Middle East & Africa Smart Fabrics and Textiles Revenue by Application (2020-2025) & (US\$ Million)

Table 96: Middle East & Africa Smart Fabrics and Textiles Revenue by Application (2026-2032) & (US\$ Million)

Table 97: Middle East & Africa Smart Fabrics and Textiles Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 98: Middle East & Africa Smart Fabrics and Textiles Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 99: Middle East & Africa Smart Fabrics and Textiles Sales Market Size by Country (2020-2025) & (K Sqm)

Table 100: Middle East & Africa Smart Fabrics and Textiles Sales Market Size Forecast by Country (2026-2032) & (K Sqm)

Table 101: Global Smart Fabrics and Textiles Market Sales by Key Manufacturers (2021-2025) & (K Sqm)

Table 102: Global Smart Fabrics and Textiles Sales Market Share by Key Manufacturers (2021-2025)

Table 103: Global Smart Fabrics and Textiles Market Revenue by Key Manufacturers

(2021-2025) & (US\$ Million)

Table 104: Global Smart Fabrics and Textiles Revenue Market Share by Key Manufacturers (2021-2025)

Table 105: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Sqm)

Table 106: Global Key Manufacturers Headquarter Location and Key Area Sales

Table 107: Market Mergers & Acquisitions, Expansion

Table 108: Textronics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 109: Textronics Smart Fabrics and Textiles Product Portfolio

Table 110: Textronics Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 111: Milliken Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 112: Milliken Smart Fabrics and Textiles Product Portfolio

Table 113: Milliken Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 114: Toray Industries Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 115: Toray Industries Smart Fabrics and Textiles Product Portfolio

Table 116: Toray Industries Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 117: Peratech Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 118: Peratech Smart Fabrics and Textiles Product Portfolio

Table 119: Peratech Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 120: DuPont Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 121: DuPont Smart Fabrics and Textiles Product Portfolio

Table 122: DuPont Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 123: Clothing+ Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 124: Clothing+ Smart Fabrics and Textiles Product Portfolio

Table 125: Clothing+ Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 126: Outlast Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 127: Outlast Smart Fabrics and Textiles Product Portfolio

Table 128: Outlast Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 129: d3o lab Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 130: d3o lab Smart Fabrics and Textiles Product Portfolio

Table 131: d3o lab Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 132: Texas Instruments Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 133: Texas Instruments Smart Fabrics and Textiles Product Portfolio

Table 134: Texas Instruments Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 135: Schoeller Textiles Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 136: Schoeller Textiles Smart Fabrics and Textiles Product Portfolio

Table 137: Schoeller Textiles Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 138: Vista Medical Ltd. Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 139: Vista Medical Ltd. Smart Fabrics and Textiles Product Portfolio

Table 140: Vista Medical Ltd. Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 141: Exo2 Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 142: Exo2 Smart Fabrics and Textiles Product Portfolio

Table 143: Exo2 Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 144: Ohmatex ApS Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 145: Ohmatex ApS Smart Fabrics and Textiles Product Portfolio

Table 146: Ohmatex ApS Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 147: Interactive Wear Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 148: Interactive Wear Smart Fabrics and Textiles Product Portfolio

Table 149: Interactive Wear Smart Fabrics and Textiles Revenue (US\$ Million), Sales (K Sqm), Price (USD/Sqm), Gross Margin and Market Share (2021-2025)

Table 150: Upstream Key Raw Material Price List

Table 151: Smart Fabrics and Textiles Raw Material Suppliers and Contact Information

Table 152: Smart Fabrics and Textiles Typical Customer List

Table 153: Smart Fabrics and Textiles Distributors List

## List Of Figures

### LIST OF FIGURES

- Figure 1: Smart Fabrics and Textiles Product Pictures
- Figure 2: Passive Smart Fabrics and Textiles Picture Scope
- Figure 3: Active Smart Fabrics and Textiles Picture Scope
- Figure 4: Ultra-Smart Fabrics and Textiles Picture Scope
- Figure 5: Military Picture Scope
- Figure 6: Civil Picture Scope
- Figure 7: Healthcare Picture Scope
- Figure 8: Others Picture Scope
- Figure 9: Global Smart Fabrics and Textiles Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)
- Figure 10: Global Smart Fabrics and Textiles Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)
- Figure 11: Global Smart Fabrics and Textiles Market Sales and Growth Rate Analysis (2020-2032) & (K Sqm)
- Figure 12: Global Smart Fabrics and Textiles Market Price Trend Analysis (2020-2032) & (USD/Sqm)
- Figure 13: Global Smart Fabrics and Textiles Capacity, Production and Utilization (2019-2030) & (K Sqm)
- Figure 14: Global Smart Fabrics and Textiles Production by Region: 2023 VS 2024 VS 2030 (K Sqm)
- Figure 15: Global Smart Fabrics and Textiles Production Market Share by Region in Percentage: 2024 Versus 2030
- Figure 16: Global Smart Fabrics and Textiles Production Market Share by Region (2019-2030)
- Figure 17: Global Smart Fabrics and Textiles Market Size by Region (2020-2032) & (US\$ Million)
- Figure 18: Global Smart Fabrics and Textiles Market Share Scenario by Region in Percentage: 2025 Versus 2032
- Figure 19: Global Smart Fabrics and Textiles Sales Price by Region (2020-2032) & (K Sqm)
- Figure 20: North America Smart Fabrics and Textiles Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 21: North America Smart Fabrics and Textiles Revenue Market Share by Players in 2024
- Figure 22: North America Smart Fabrics and Textiles Sales Market Share by Type

(2020-2032)

Figure 23:North America Smart Fabrics and Textiles Revenue Market Share by Type (2020-2032)

Figure 24:North America Smart Fabrics and Textiles Sales Market Share by Application (2020-2032)

Figure 25:North America Smart Fabrics and Textiles Revenue Market Share by Application (2020-2032)

Figure 26:US Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 27:Canada Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 28:Europe Smart Fabrics and Textiles Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 29:Europe Smart Fabrics and Textiles Revenue Market Share by Players in 2024

Figure 30:Europe Smart Fabrics and Textiles Sales Market Share by Type (2020-2032)

Figure 31:Europe Smart Fabrics and Textiles Revenue Market Share by Type (2020-2032)

Figure 32:Europe Smart Fabrics and Textiles Sales Market Share by Application (2020-2032)

Figure 33:Europe Smart Fabrics and Textiles Revenue Market Share by Application (2020-2032)

Figure 34:Germany Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 35:France Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 36:United Kingdom Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 37:Italy Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 38:Spain Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 39:Benelux Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 40:China Smart Fabrics and Textiles Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 41:China Smart Fabrics and Textiles Revenue Market Share by Players in 2024

Figure 42:China Smart Fabrics and Textiles Sales Market Share by Type (2020-2032)

Figure 43:China Smart Fabrics and Textiles Revenue Market Share by Type (2020-2032)

Figure 44:China Smart Fabrics and Textiles Sales Market Share by Application (2020-2032)

Figure 45:China Smart Fabrics and Textiles Revenue Market Share by Application (2020-2032)

Figure 46:APAC (excl. China) Smart Fabrics and Textiles Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 47:APAC (excl. China) Smart Fabrics and Textiles Revenue Market Share by

## Players in 2024

Figure 48:APAC (excl. China) Smart Fabrics and Textiles Sales Market Share by Type (2020-2032)

Figure 49:APAC (excl. China) Smart Fabrics and Textiles Revenue Market Share by Type (2020-2032)

Figure 50:APAC (excl. China) Smart Fabrics and Textiles Sales Market Share by Application (2020-2032)

Figure 51:APAC (excl. China) Smart Fabrics and Textiles Revenue Market Share by Application (2020-2032)

Figure 52:Japan Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 53:South Korea Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 54:India Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 55:Australia Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 56:Southeast Asia Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 57:Latin America Smart Fabrics and Textiles Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 58:Latin America Smart Fabrics and Textiles Revenue Market Share by Players in 2024

Figure 59:Latin America Smart Fabrics and Textiles Sales Market Share by Type (2020-2032)

Figure 60:Latin America Smart Fabrics and Textiles Revenue Market Share by Type (2020-2032)

Figure 61:Latin America Smart Fabrics and Textiles Sales Market Share by Application (2020-2032)

Figure 62:Latin America Smart Fabrics and Textiles Revenue Market Share by Application (2020-2032)

Figure 63:Mexico Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 64:Brazil Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 65:Middle East & Africa Smart Fabrics and Textiles Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 66:Middle East & Africa Smart Fabrics and Textiles Revenue Market Share by Players in 2024

Figure 67:Middle East & Africa Smart Fabrics and Textiles Sales Market Share by Type (2020-2032)

Figure 68:Middle East & Africa Smart Fabrics and Textiles Revenue Market Share by Type (2020-2032)

Figure 69:Middle East & Africa Smart Fabrics and Textiles Sales Market Share by

Application (2020-2032)

Figure 70: Middle East & Africa Smart Fabrics and Textiles Revenue Market Share by Application (2020-2032)

Figure 71: Saudi Arabia Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 72: South Africa Smart Fabrics and Textiles Revenue (2020-2032) & (US\$ Million)

Figure 73: Global Smart Fabrics and Textiles Sales Market Share by Key Manufacturers in 2024

Figure 74: Global Smart Fabrics and Textiles Revenue Market Share by Key Manufacturers in 2024

Figure 75: Global Smart Fabrics and Textiles Industry Competition Landscape

Figure 76: Smart Fabrics and Textiles Industry Chain Analysis

Figure 77: Bottom-Up and Top-Down Research Methods

Figure 78: Key Interview Objectives

Figure 79: Data Cross Validation

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