

Smart Textiles Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/S14BF32D4142EN.html>

Date: February 2023

Pages: 144

Price: US\$ 2,499.00 (Single User License)

ID: S14BF32D4142EN

Abstracts

The global smart textiles market size reached US\$ 3.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 15.9 Billion by 2028, exhibiting a growth rate CAGR of 24.6% during 2023-2028.

Smart textiles, or e-textiles, refer to the fabrics that are embedded with conductive threads and electronic components. There are two kinds of smart textiles, namely passive and active smart textiles. They can sense or detect the environmental changes and automatically respond to the mechanical, thermal and chemical manipulations. These textiles can also communicate with other devices, conduct energy and modify the physical properties of other materials and textiles to protect the wearer from environmental hazards. Certain textile variants are used for design and fashion purposes while some are used to facilitate human functioning. Owing to these benefits, they find extensive applications across various industries, including military, healthcare, transportation, entertainment and sports and fitness.

The emerging trend of miniaturization of electronics, along with the increasing integration of smart textiles with wearable devices, is one of the key factors driving the growth of the market. In the healthcare and sports sectors, smart textiles are increasingly being used to monitor muscle vibrations, regulate body temperatures and provide protection from various hazards. Furthermore, several innovations in the electronics sector have facilitated the integration of smart textiles with compact electronic components, such as sensors, batteries and control consoles, in wearable and electronic devices. Additionally, increasing product adoption in the defense sector is acting as another growth-inducing factor. For instance, smart textiles are combined with defense equipment for health monitoring, wired and wireless communications, superior mobility, sensing of heat and cold stresses and camouflage. This, along with

technological advancements and extensive research and development (R&D) activities, is projected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global smart textiles market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, functionality and end-use sector.

Breakup by Type:

- Passive Smart Textile
- Active Smart Textile

Breakup by Functionality:

- Sensing
- Energy Harvesting
- Luminescence and Aesthetics
- Thermoelectricity
- Others

Breakup by End-Use Sector:

- Military and Protection
- Healthcare
- Sports and Fitness
- Fashion and Entertainment
- Transportation
- Architecture
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia Pacific
 - China

Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Adidas AG, AiQ Smart Clothing Inc., Clothing+, Dupont De Nemours Inc., Gentherm Incorporated, Google LLC, Interactive Wear AG, Ohmatex A/S, Schoeller Textil AG, Sensoria Inc., Texas Instruments Incorporated, Textronics, Vista Medical Ltd., etc.

Key Questions Answered in This Report

1. What was the size of the global smart textiles market in 2022?
2. What is the expected growth rate of the global smart textiles market during 2023-2028?
3. What are the key factors driving the global smart textiles market?
4. What has been the impact of COVID-19 on the global smart textiles market?
5. What is the breakup of the global smart textiles market based on the type?
6. What is the breakup of the global smart textiles market based on the functionality?
7. What is the breakup of the global smart textiles market based on the end-use sector?
8. What are the key regions in the global smart textiles market?
9. Who are the key players/companies in the global smart textiles market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL SMART TEXTILES MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Passive
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Active
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY FUNCTIONALITY

7.1 Sensing

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Energy Harvesting

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Luminescence and Aesthetics

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Thermoelectricity

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Others

7.5.1 Market Trends

7.5.2 Market Forecast

8 MARKET BREAKUP BY END-USE SECTOR

8.1 Military and Protection

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Healthcare

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Sports and Fitness

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Fashion and Entertainment

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Transportation

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Architecture

8.6.1 Market Trends

8.6.2 Market Forecast

8.7 Others

8.7.1 Market Trends

8.7.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

- 9.3.2.1 Market Trends
- 9.3.2.2 Market Forecast
- 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
- 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE INDICATORS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Adidas AG
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 AiQ Smart Clothing Inc.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 Clothing+
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.4 Dupont De Nemours Inc.
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
 - 14.3.5 Gentherm Incorporated
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio

- 14.3.5.3 Financials
- 14.3.6 Google LLC
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 SWOT Analysis
- 14.3.7 Interactive Wear AG
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
- 14.3.8 Ohmatex A/S
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
- 14.3.9 Schoeller Textil AG
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Sensoria Inc.
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11 Texas Instruments Incorporated
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis
- 14.3.12 Textronics
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
- 14.3.13 Vista Medical Ltd.
 - 14.3.13.1 Company Overview
 - 14.3.13.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Smart Textiles Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Smart Textiles Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 3: Global: Smart Textiles Market Forecast: Breakup by Functionality (in Million US\$), 2023-2028

Table 4: Global: Smart Textiles Market Forecast: Breakup by End-Use Sector (in Million US\$), 2023-2028

Table 5: Global: Smart Textiles Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Smart Textiles Market: Competitive Structure

Table 7: Global: Smart Textiles Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Smart Textiles Market: Major Drivers and Challenges

Figure 2: Global: Smart Textiles Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Smart Textiles Market: Breakup by Type (in %), 2022

Figure 4: Global: Smart Textiles Market: Breakup by Functionality (in %), 2022

Figure 5: Global: Smart Textiles Market: Breakup by End-Use Sector (in %), 2022

Figure 6: Global: Smart Textiles Market: Breakup by Region (in %), 2022

Figure 7: Global: Smart Textiles Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 8: Global: Smart Textiles (Passive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Smart Textiles (Passive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Smart Textiles (Active) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Smart Textiles (Active) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Smart Textiles (Sensing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Smart Textiles (Sensing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Smart Textiles (Energy Harvesting) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Smart Textiles (Energy Harvesting) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Smart Textiles (Luminescence and Aesthetics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Smart Textiles (Luminescence and Aesthetics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Smart Textiles (Thermoelectricity) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Smart Textiles (Thermoelectricity) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Smart Textiles (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Smart Textiles (Others) Market Forecast: Sales Value (in Million

US\$), 2023-2028

Figure 22: Global: Smart Textiles (Military and protection) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Smart Textiles (Military and protection) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Smart Textiles (Healthcare) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Smart Textiles (Healthcare) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Smart Textiles (Sports and Fitness) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Smart Textiles (Sports and Fitness) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Smart Textiles (Fashion and Entertainment) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Smart Textiles (Fashion and Entertainment) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Smart Textiles (Transportation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Smart Textiles (Transportation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: Smart Textiles (Architecture) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Global: Smart Textiles (Architecture) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Global: Smart Textiles (Others) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Global: Smart Textiles (Others) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: North America: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: North America: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: United States: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: United States: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Canada: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Canada: Smart Textiles Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 42: Asia Pacific: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Asia Pacific: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: China: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: China: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Japan: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Japan: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: India: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: India: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: South Korea: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: South Korea: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Australia: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Australia: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Indonesia: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Indonesia: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Others: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Others: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Europe: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Europe: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Germany: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Germany: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: France: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: France: Smart Textiles Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: United Kingdom: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: United Kingdom: Smart Textiles Market Forecast: Sales Value (in Million

US\$), 2023-2028

Figure 66: Italy: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Italy: Smart Textiles Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 68: Spain: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Spain: Smart Textiles Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 70: Russia: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Russia: Smart Textiles Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 72: Others: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Others: Smart Textiles Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 74: Latin America: Smart Textiles Market: Sales Value (in Million US\$), 2017 &
2022

Figure 75: Latin America: Smart Textiles Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 76: Brazil: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Brazil: Smart Textiles Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 78: Mexico: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Mexico: Smart Textiles Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 80: Others: Smart Textiles Market: Sales Value (in Million US\$), 2017 & 2022

Figure 81: Others: Smart Textiles Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 82: Middle East and Africa: Smart Textiles Market: Sales Value (in Million US\$),
2017 & 2022

Figure 83: Middle East and Africa: Smart Textiles Market Forecast: Sales Value (in
Million US\$), 2023-2028

Figure 84: Global: Smart Textiles Industry: SWOT Analysis

Figure 85: Global: Smart Textiles Industry: Value Chain Analysis

Figure 86: Global: Smart Textiles Industry: Porter's Five Forces Analysis

I would like to order

Product name: Smart Textiles Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/S14BF32D4142EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S14BF32D4142EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

