

## **Smart Clothing Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)**

Market Report | 2025-08-12 | 180 pages | EMR Inc.

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### **Report description:**

The global smart clothing market is expected to grow in the forecast period of 2025-2034 at a CAGR of 25.00% to reach USD 31.08 Billion by 2034.

Sports and Defence Sectors Leading the Growth of Smart Clothing Industry Globally

Growing awareness about fitness, increasing trials to prevent injuries during sports activities and increasing investments in defence would lead to the growth of the smart clothing industry globally in the forecast period. Smart clothing can already be seen as an important component in military uniforms to trace and detect the soldier's location, environmental analysis, and to improve the health of soldiers. Military groups are partnering with government agencies and leading companies to develop and financially support the development of smart clothing.

Further, injuries to highly paid athletes result in high cost, not just from the player's treatment and rehabilitation but also from the cost associated with the lost ticket and merchandise sales. Smart clothing products have the ability to decrease or even eliminate most of the preventable injuries, thus making smart clothing highly valuable for athletes and sports teams. This is also the reason which makes smart clothing highly beneficial for the healthcare sector as well. Also, the demand for smart clothing is rapidly increasing for fitness related purposes as it helps to record running distance, breathing rates and heart rates with the help of sensors.

Smart Clothing: Market Segmentation

Smart clothing, also known as electronic textiles and smart garments, is an advanced fusion of technology and fashion that allows electronics such as sensors, transmitters and receivers to be embedded in fabrics that help monitor the physical conditions and body activities of the consumer. Smart clothing offers added value to the consumers as it can be used for various health related

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monitoring reasons, tracking and providing biometric data.

#### Market Breakup by Fabric Type

- Active Smart
- Passive Smart
- Ultra-Smart

#### Market Breakup by Product

- Upper Wear
- Lower Wear
- Undergarments
- Others

#### Market Breakup by Application

- Sports and Fitness
- Healthcare
- Military and Defence
- Industrial and Mining
- Entertainment
- Others

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Growth in Military, Sports and Healthcare Sectors to Boost the Smart Clothing Industry

Rising awareness regarding health and fitness among people will raise the demand for smart clothing for monitoring body activities through sensors. Increasing use of smart clothing by athletes to monitor their performance and prevent injuries will also be a major industry driver in the forecast period. It is also being adopted on a large scale by the healthcare sector to prevent injuries to their staff, record body temperature, and treat muscle related pains and issues.

However, high manufacturing costs and the lack of awareness, data privacy issues and technical challenges can prove to be a barrier to the rising demand for smart clothing over the forecast period.

#### Key Industry Players in the Global Smart Clothing Market

The report presents a detailed analysis of the following key players in the global smart clothing market, looking into their capacity, market shares, and latest developments like capacity expansions and technological advancements:

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- AiQ Smart Clothing
- DuPont de Nemours, Inc.
- Carre Technologies Inc.
- Toray Industries, Inc.
- Vulpes Electronics
- Others

The comprehensive report looks into the macro and micro aspects of the industry. The EMR report gives an in-depth insight into the market by providing a SWOT analysis.

More Insights On:

Colombia Smart Clothing Market

## **Table of Contents:**

- 1 Executive Summary
  - 1.1 Market Size 2024-2025
  - 1.2 Market Growth 2025(F)-2034(F)
  - 1.3 Key Demand Drivers
  - 1.4 Key Players and Competitive Structure
  - 1.5 Industry Best Practices
  - 1.6 Recent Trends and Developments
  - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
  - 2.1 Market Trends
  - 2.2 Key Verticals
  - 2.3 Key Regions
  - 2.4 Supplier Power
  - 2.5 Buyer Power
  - 2.6 Key Market Opportunities and Risks
  - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
  - 3.1 GDP Outlook
  - 3.2 GDP Per Capita Growth
  - 3.3 Inflation Trends
  - 3.4 Democracy Index
  - 3.5 Gross Public Debt Ratios
  - 3.6 Balance of Payment (BoP) Position
  - 3.7 Population Outlook
  - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
  - 4.1 Country Risk
  - 4.2 Business Climate
- 5 Global Smart Clothing Market Analysis
  - 5.1 Key Industry Highlights

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5.2 Global Smart Clothing Historical Market (2018-2024)

5.3 Global Smart Clothing Market Forecast (2025-2034)

5.4 Global Smart Clothing Market by Fabric Type

5.4.1 Active Smart

5.4.1.1 Historical Trend (2018-2024)

5.4.1.2 Forecast Trend (2025-2034)

5.4.2 Passive Smart

5.4.2.1 Historical Trend (2018-2024)

5.4.2.2 Forecast Trend (2025-2034)

5.4.3 Ultra-Smart

5.4.3.1 Historical Trend (2018-2024)

5.4.3.2 Forecast Trend (2025-2034)

5.5 Global Smart Clothing Market by Product

5.5.1 Upper Wear

5.5.1.1 Historical Trend (2018-2024)

5.5.1.2 Forecast Trend (2025-2034)

5.5.2 Lower Wear

5.5.2.1 Historical Trend (2018-2024)

5.5.2.2 Forecast Trend (2025-2034)

5.5.3 Undergarments

5.5.3.1 Historical Trend (2018-2024)

5.5.3.2 Forecast Trend (2025-2034)

5.5.4 Others

5.6 Global Smart Clothing Market by Application

5.6.1 Sports and Fitness

5.6.1.1 Historical Trend (2018-2024)

5.6.1.2 Forecast Trend (2025-2034)

5.6.2 Healthcare

5.6.2.1 Historical Trend (2018-2024)

5.6.2.2 Forecast Trend (2025-2034)

5.6.3 Military and Defence

5.6.3.1 Historical Trend (2018-2024)

5.6.3.2 Forecast Trend (2025-2034)

5.6.4 Industrial and Mining

5.6.4.1 Historical Trend (2018-2024)

5.6.4.2 Forecast Trend (2025-2034)

5.6.5 Entertainment

5.6.5.1 Historical Trend (2018-2024)

5.6.5.2 Forecast Trend (2025-2034)

5.6.6 Others

5.7 Global Smart Clothing Market by Region

5.7.1 North America

5.7.1.1 Historical Trend (2018-2024)

5.7.1.2 Forecast Trend (2025-2034)

5.7.2 Europe

5.7.2.1 Historical Trend (2018-2024)

5.7.2.2 Forecast Trend (2025-2034)

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- 5.7.3 Asia Pacific
  - 5.7.3.1 Historical Trend (2018-2024)
  - 5.7.3.2 Forecast Trend (2025-2034)
- 5.7.4 Latin America
  - 5.7.4.1 Historical Trend (2018-2024)
  - 5.7.4.2 Forecast Trend (2025-2034)
- 5.7.5 Middle East and Africa
  - 5.7.5.1 Historical Trend (2018-2024)
  - 5.7.5.2 Forecast Trend (2025-2034)
- 6 North America Smart Clothing Market Analysis
  - 6.1 United States of America
    - 6.1.1 Historical Trend (2018-2024)
    - 6.1.2 Forecast Trend (2025-2034)
  - 6.2 Canada
    - 6.2.1 Historical Trend (2018-2024)
    - 6.2.2 Forecast Trend (2025-2034)
- 7 Europe Smart Clothing Market Analysis
  - 7.1 United Kingdom
    - 7.1.1 Historical Trend (2018-2024)
    - 7.1.2 Forecast Trend (2025-2034)
  - 7.2 Germany
    - 7.2.1 Historical Trend (2018-2024)
    - 7.2.2 Forecast Trend (2025-2034)
  - 7.3 France
    - 7.3.1 Historical Trend (2018-2024)
    - 7.3.2 Forecast Trend (2025-2034)
  - 7.4 Italy
    - 7.4.1 Historical Trend (2018-2024)
    - 7.4.2 Forecast Trend (2025-2034)
  - 7.5 Others
- 8 Asia Pacific Smart Clothing Market Analysis
  - 8.1 China
    - 8.1.1 Historical Trend (2018-2024)
    - 8.1.2 Forecast Trend (2025-2034)
  - 8.2 Japan
    - 8.2.1 Historical Trend (2018-2024)
    - 8.2.2 Forecast Trend (2025-2034)
  - 8.3 India
    - 8.3.1 Historical Trend (2018-2024)
    - 8.3.2 Forecast Trend (2025-2034)
  - 8.4 ASEAN
    - 8.4.1 Historical Trend (2018-2024)
    - 8.4.2 Forecast Trend (2025-2034)
  - 8.5 Australia
    - 8.5.1 Historical Trend (2018-2024)
    - 8.5.2 Forecast Trend (2025-2034)
  - 8.6 Others

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## 9 Latin America Smart Clothing Market Analysis

### 9.1 Brazil

#### 9.1.1 Historical Trend (2018-2024)

#### 9.1.2 Forecast Trend (2025-2034)

### 9.2 Argentina

#### 9.2.1 Historical Trend (2018-2024)

#### 9.2.2 Forecast Trend (2025-2034)

### 9.3 Mexico

#### 9.3.1 Historical Trend (2018-2024)

#### 9.3.2 Forecast Trend (2025-2034)

### 9.4 Others

## 10 Middle East and Africa Smart Clothing Market Analysis

### 10.1 Saudi Arabia

#### 10.1.1 Historical Trend (2018-2024)

#### 10.1.2 Forecast Trend (2025-2034)

### 10.2 United Arab Emirates

#### 10.2.1 Historical Trend (2018-2024)

#### 10.2.2 Forecast Trend (2025-2034)

### 10.3 Nigeria

#### 10.3.1 Historical Trend (2018-2024)

#### 10.3.2 Forecast Trend (2025-2034)

### 10.4 South Africa

#### 10.4.1 Historical Trend (2018-2024)

#### 10.4.2 Forecast Trend (2025-2034)

### 10.5 Others

## 11 Market Dynamics

### 11.1 SWOT Analysis

#### 11.1.1 Strengths

#### 11.1.2 Weaknesses

#### 11.1.3 Opportunities

#### 11.1.4 Threats

### 11.2 Porter's Five Forces Analysis

#### 11.2.1 Supplier's Power

#### 11.2.2 Buyer's Power

#### 11.2.3 Threat of New Entrants

#### 11.2.4 Degree of Rivalry

#### 11.2.5 Threat of Substitutes

### 11.3 Key Indicators for Demand

### 11.4 Key Indicators for Price

## 12 Value Chain Analysis

## 13 Competitive Landscape

### 13.1 Supplier Selection

### 13.2 Key Global Players

### 13.3 Key Regional Players

### 13.4 Key Player Strategies

### 13.5 Company Profiles

#### 13.5.1 AiQ Smart Clothing

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- 13.5.1.1 Company Overview
- 13.5.1.2 Product Portfolio
- 13.5.1.3 Demographic Reach and Achievements
- 13.5.1.4 Certifications
- 13.5.2 DuPont de Nemours, Inc.
- 13.5.2.1 Company Overview
- 13.5.2.2 Product Portfolio
- 13.5.2.3 Demographic Reach and Achievements
- 13.5.2.4 Certifications
- 13.5.3 Carre Technologies Inc.
- 13.5.3.1 Company Overview
- 13.5.3.2 Product Portfolio
- 13.5.3.3 Demographic Reach and Achievements
- 13.5.3.4 Certifications
- 13.5.4 Toray Industries, Inc.
- 13.5.4.1 Company Overview
- 13.5.4.2 Product Portfolio
- 13.5.4.3 Demographic Reach and Achievements
- 13.5.4.4 Certifications
- 13.5.5 Vulpes Electronics
- 13.5.5.1 Company Overview
- 13.5.5.2 Product Portfolio
- 13.5.5.3 Demographic Reach and Achievements
- 13.5.5.4 Certifications
- 13.5.6 Others

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