

# Rising Demand Drives Smart Fabrics Market to USD 21.8 Billion by 2031 with 19.6% CAGR Growth | TMR

*Increase in usage of smart textiles in the fashion & entertainment industry is expected to create sizable business opportunities in the Smart Fabrics Market*

WILMINGTON, DE, UNITED STATES, December 20, 2024 / EINPresswire.com/ -- The global [Smart Fabrics Market](#), valued at USD 3.3 billion in 2021, is projected to grow at an impressive CAGR of 19.6% between 2022 and 2031. By the end of 2031, the market is expected to reach USD 21.8 billion, driven by advancements in wearable technology, increased demand for smart textiles in healthcare, and innovation in connected clothing.



Smart Fabrics Market 2022-2031

Smart and intelligent textiles find application in the manufacturing of sportswear. ThermoLite is one such lightweight synthetic insulation fabric used to produce sportswear specifically intended for outdoor sports. Hence, increase in participation in sport activities is projected to create lucrative avenues in the global industry during the forecast period.

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Demand for cosmetotextiles fabrics is increasing in the sports & fitness and medical & healthcare sectors owing to their polymeric nature. These fabrics are known for releasing active ingredients when they are exposed to the external surface of a human body. Micro-encapsulation technology is utilized in the production of cosmetotextiles. With the help of this technology, smart fabrics can be incorporated with fragrances, antibacterial agents, skin softeners, drug delivery systems, and thermoregulation.

## Smart Fabrics Market: Key Findings

- Smart fabrics allow for interaction with the surrounding environmental conditions. Moreover, these fabrics can be utilized for data transmission using lead wires embedded in sensors in order to establish communication through clothing and wearable devices. The popularity of smart materials is increasing in the fashion & entertainment industry owing to their ability to offer distinct features to garments. These materials alter the color, size, and shape of garments. Hence, the expansion of the fashion & entertainment industry is leading to profitable prospects in the global market.
- Awareness regarding environmental issues is increasing among the global population. Moreover, companies are focusing on the development of daily-use products with improved lifespan. The concept of e-textiles is gaining impetus owing to varied advantages it offers, which include improved durability, customizable styles, and greater longevity. Hence, the adoption of e-textiles can help in reducing the quantity of textiles-generated wastes. Such factors are positively impacting the overall growth of the Smart Fabrics Market.

## Smart Fabrics Market: Growth Drivers

- Increase in adoption of smart fabrics in the healthcare industry is expected to create business opportunities in the market during the forecast period
- Expansion of the sports & fitness industry is leading to revenue-generation opportunities in the market

## Smart Fabrics Market: Key Players

Some of the key players profiled in the report are:

- Alphabet Inc.
- DuPont
- AiQ Smart Clothing Inc.
- Jabil Inc.
- Gentherm Incorporated
- Sensoria
- Outlast Technologies
- Interactive Wear
- Hexoskin
- Adidas

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<https://www.transparencymarketresearch.com/smart-fabrics-market.html>

## Smart Fabrics Market Segmentation

### Product

- Ultra-smart Fabrics
- Active Smart Fabrics
- Passive Smart Fabrics

### Function

- Energy Harvesting
- Sensing
- Thermoelectricity
- Luminescent

### End-use

- Sports & Fitness
- Medical & Healthcare
- Automotive & Transportation
- Protection & Safety/Military
- Fashion & Entertainment
- Home & Architecture
- Others

### Regions Covered

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

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[Sulfuric Acid Market](#) Size - Sulfuric Acid Market to Reach US\$ 18.2 Bn by 2031.

[3D Printing Materials Market](#) Share - 3D Printing Materials Market to Register CAGR of 20.4% from 2022 to 2031.

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