

Global E-Textile Market Size study & Forecast, by Type (Classic Electronics, Modern Electronics), By Product (Passive, Active, Ultra-Smart), By Application (Defense, Sports & Fitness, Healthcare, Household Textiles, Fashion & Entertainment, Transport, Protection & Military, Architecture, Others), By Functionality (Sensing, Energy Harvesting, Luminescence & Aesthetics, Thermoelectricity, Others) and Regional Analysis, 2022-2029

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Abstracts

Global E-Textile Market is valued at approximately USD 0.36 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 7.4% over the forecast period 2022-2029. E-Textile also known as smart textile is a type of fabric that contains electronic elements. These textiles enable capabilities for sensing, communication, power transmission, and interconnection technology to enable sensors or objects like information processing devices to be networked together within a fabric. This textile includes conductive yarns that are either spun or twisted and contain a small amount of conductive material. E-textiles are breathable, washable, and can be used under water. The increasing demand for smart garments and growing expansion of fitness and sports sector as well as strategic initiatives from leading market players are key factors accelerating the market growth.

The increasing demand for smart garments is contributing to the growth of the Global E-Textile market. For instance, according to Statista – in 2019, the global market for smart fabric was estimated at USD 2.16 billion, and the market is projected to grow to USD 5.93 billion by 2025. Moreover, e-textiles are also gaining adoption in military

applications as smart clothing solutions. Also, growing advancements in textile technology and increasing need for textiles in healthcare sector due to applications such as patient monitoring would create a lucrative growth prospectus for the market over the forecast period. However, data privacy & concerns associated with wearable technologies impede the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global E-Textile Market study includes include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading region in terms of global market share owing to the increasing application of e-textile in military applications & raising expansion of healthcare sector in the region. Whereas Asia Pacific is expected to grow significantly with the highest growth rate during the forecast period, owing to factors such as availability of cost-efficient manufacturing and rising military expenditure in the region coupled with growing advancements in healthcare industry in the region.

Major market player players included in this report are:

Carre' Technologies Inc.

Chronolife.

E.I. du Pont de Nemours and Company

INTERACTIVE WEAR AG

Mitsufuji Corporation

Myant Health

Outlast Technologies GmbH

sanSirro GmbH

Schoeller Textile AG

SENSING TEX, S.L.

Recent Developments in the Market:

In September 2020, Smart Textiles and Stanford University based in the United States of America announced collaboration for a smart garment project. Under this project, both the institutions would be working towards feasibility study of a knitted garment that can easily and reliably detect the illness symptoms by developing a prototype.

In February 2022, India based Indian Institute of Technology (IIT) Delhi Monday signed a memorandum of understanding (MoU) with Troop Comforts Limited (TCL), a Government of India enterprise, to develop Smart Protective Clothing for the Indian security forces.

Global E-Textile Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Product, Application, Functionality, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type

Classic Electronics

Modern Electronics

By Product

Passive

Active

Ultra-Smart

By Application

Defense

Sports & Fitness

Healthcare

Household Textiles

Fashion & Entertainment

Transport

Protection & Military

Architecture

Others

By Functionality

Energy Harvesting

Luminescence & Aesthetics

Thermoelectricity

Others

Sensing

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Rest of the World

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