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

Market Report | 2023-11-02 | 149 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User $3999.00
- Five User Licence $4999.00
- Enterprisewide License $5999.00

Report description:

The global conductive textiles market size reached US$ 2.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US$ 4.6 Billion by 2028, exhibiting a growth rate (CAGR) of 14.9% during 2022-2028.

Conductive textiles refer to the fabrics that are blended or coated with conductive metals. Some of the commonly used materials include nylon, wool, polyester and cotton. They are woven with metallic strands of titanium, gold, copper and nickel for enhancing the electrical properties of the textiles. The metals are usually deposited chemically with autocatalytic chemistry, printed with conductive nanoparticle inks or coated with physical vapor deposition techniques. They exhibit various favorable properties, such as high strength, flexibility, elasticity, heat insulation, water absorbency, dyeability and washability. As a result, conductive textiles are widely used for the manufacturing of pressure-sensitive adhesive (PAS) tapes, conductive threads, fabric sheets, aerospace textiles and metal mesh.

Conductive Textiles Market Trends:
The increasing demand for e-textiles and smart wearable devices across various industries, such as medical, healthcare, defense and sports, is among the key factors driving the growth of the market. Smart wearable devices are integrated with smart fabrics and conductive textiles for effective health monitoring and transmission of physiological signals over devices. Moreover, the widespread adoption of conductive textiles in medical devices is providing a thrust to the market growth. They are used for pain relief, regulating body temperatures and controlling muscle vibrations. In line with this, they are also commonly used in the manufacturing of military jackets, garments and uniforms for enhanced protection. Additionally, various innovations, such as the utilization of advanced antibacterial silver nanoparticles to electro spin graphene fibers, are acting as other growth-inducing factors. These fibers are integrated with sensors, actuators and heating panels for controlling electromagnetic interference (EMI) shielding, signal and power transfer and static dissipation. Other factors, including extensive research and development (R&D) activities, along with the implementation of favorable government policies, are anticipated to drive the market toward growth.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global conductive textiles market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on fabric, product and application.

Breakup by Fabric:

Cotton
Nylon
Polyester
Others

Breakup by Product:

Woven Textiles
Non-Woven Textiles
Knitted Textiles

Breakup by Application:

Military and Defense
Healthcare
Sports and Fitness
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 along with the profiles of the key players being 3M Company, Bekaert S.A., Herculite Inc., Kinetic Polymers, Seiren Co Ltd., Statex Produktions- und Vertriebs GmbH, Swicofil AG, TIBTECH Innovations, Toray Industries Inc. and UBE Industries Ltd.

Key Questions Answered in This Report:
How has the global conductive textiles market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global conductive textiles market?
What are the key regional markets?
What is the breakup of the market based on the fabric?
What is the breakup of the market based on the product?
What is the breakup of the market based on the application?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?
What is the structure of the global conductive textiles market and who are the key players?
What is the degree of competition in the industry?

Table of Contents:

1 Preface
2 Scope and Methodology
2.1Objectives of the Study
2.2Stakeholders
2.3Data Sources
2.3.1Primary Sources
2.3.2Secondary Sources
2.4Market Estimation
2.4.1Bottom-Up Approach
2.4.2Top-Down Approach
2.5Forecasting Methodology
3 Executive Summary
4 Introduction
4.1Overview
4.2Key Industry Trends
5 Global Conductive Textiles Market
5.1Market Overview
5.2Market Performance
5.3Impact of COVID-19
5.4Market Forecast
6 Market Breakup by Fabric
6.1Cotton
6.1.1 Market Trends
6.1.2 Market Forecast

6.2Nylon
6.2.1 Market Trends
6.2.2 Market Forecast
6.3Polyester
6.3.1 Market Trends
6.3.2 Market Forecast
6.4Others
6.4.1 Market Trends
6.4.2 Market Forecast
7 Market Breakup by Product
7.1Woven Textiles
7.1.1 Market Trends
7.1.2 Market Forecast
7.2Non-Woven Textiles
7.2.1 Market Trends
7.2.2 Market Forecast
7.3Knitted Textiles
7.3.1 Market Trends
7.3.2 Market Forecast
8 Market Breakup by Application
8.1Military and Defense
8.1.1 Market Trends
8.1.2 Market Forecast
8.2Healthcare
8.2.1 Market Trends
8.2.2 Market Forecast
8.3Sports and Fitness
8.3.1 Market Trends
8.3.2 Market Forecast
8.4Others
8.4.1 Market Trends
8.4.2 Market Forecast
9 Market Breakup by Region
9.1North 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
9.2Asia-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
9.3Europe
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
9.4Latin 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

9.5Middle East and Africa
9.5.1 Market Trends
9.5.2 Market Breakup by Country
9.5.3 Market Forecast
10 SWOT Analysis
10.1Overview
10.2Strengths
10.3Weaknesses
10.4Opportunities
10.5Threats
11 Value Chain Analysis
12 Porters Five Forces Analysis
12.1Overview
12.2Bargaining Power of Buyers
12.3Bargaining Power of Suppliers
12.4Degree of Competition
12.5Threat of New Entrants
12.6Threat of Substitutes
13 Price Analysis
14 Competitive Landscape
14.1Market Structure
14.2Key Players
14.3Profiles of Key Players
14.3.13M Company
  14.3.1.1 Company Overview
  14.3.1.2 Product Portfolio
  14.3.1.3 Financials
  14.3.1.4 SWOT Analysis
14.3.2Bekaert S.A.
  14.3.2.1 Company Overview
  14.3.2.2 Product Portfolio
  14.3.2.3 Financials
14.3.3Herculite Inc.
  14.3.3.1 Company Overview
  14.3.3.2 Product Portfolio
14.3.4Kinetic Polymers
  14.3.4.1 Company Overview
  14.3.4.2 Product Portfolio
14.3.5Seiren Co Ltd.
  14.3.5.1 Company Overview
  14.3.5.2 Product Portfolio
  14.3.5.3 Financials
14.3.6Statex Produktions- und Vertriebs GmbH
  14.3.6.1 Company Overview
  14.3.6.2 Product Portfolio
14.3.7Swicofil AG
  14.3.7.1 Company Overview

14.3.7.2 Product Portfolio
14.3.8TIBTECH Innovations
14.3.8.1 Company Overview
14.3.8.2 Product Portfolio
14.3.9Toray Industries Inc.
14.3.9.1 Company Overview
14.3.9.2 Product Portfolio
14.3.9.3 Financials
14.3.9.4 SWOT Analysis
14.3.10UBE Industries Ltd
14.3.10.1 Company Overview
14.3.10.2 Product Portfolio
14.3.10.3 Financials
14.3.10.4 SWOT Analysis

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

Market Report | 2023-11-02 | 149 pages | IMARC Group

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	$3999.00
	Five User Licence	$4999.00
	Enterprisewide License	$5999.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-02-20
		Signature