

Stretchable and Conformal Electronics Market Report: Trends, Forecast and Competitive Analysis [2024-2030]

<https://marketpublishers.com/r/SE19AE62690EEN.html>

Date: January 2024

Pages: 98

Price: US\$ 4,850.00 (Single User License)

ID: SE19AE62690EEN

Abstracts

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Stretchable and Conformal Electronics Market Trends and Forecast

The future of the stretchable and conformal electronics market looks attractive with opportunities in the consumer electronics, healthcare, automotive, aerospace and defense, and textiles. The global stretchable and conformal electronics market is expected to reach an estimated \$1.9 billion by 2030 with a CAGR of 44.2% from 2024 to 2030. The major drivers for this market are continuous technological advancement and increasing usage of stretchable and conformal electronics products as wearable device in consumer electronic and smart textile industry.

Emerging Trends in the Stretchable and Conformal Electronics Market

Emerging trends, which have a direct impact on the dynamics of the industry, include adoption of stretchable electronics in artificial skin, biodegradable implants, and additive manufacturing as a new manufacturing technique.

A total of 43 figures / charts and 24 tables are provided in this 98-page report to help in your business decisions. Sample figures with insights are shown below.

Stretchable and Conformal Electronics Market by Segment

The study includes a forecast for the global stretchable and conformal electronics market by end use industry, component, and region as follows:

By End Use Industry [\$M shipment analysis for 2018 – 2030]:

Healthcare

Consumer Electronics

Automotive

Aerospace and Defense

Textiles

Others

By component [\$M shipment analysis for 2018 – 2030]:

Stretchable Circuits

Stretchable Conductors

Electroactive Polymers

Stretchable Batteries

Photovoltaics

Others

By Region [\$M shipment analysis for 2018 – 2030]:

North America

Europe

Asia Pacific

Rest of the World

List of Stretchable and Conformal Electronics Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies stretchable and conformal electronics companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the stretchable and conformal electronics companies profiled in this report includes.

DuPont

MC10 Inc.

Powerfilm, Inc.

Philips

StretchSense

Cambrios Technology

Stretchable and Conformal Electronics Market Insight

Lucintel forecasts that stretchable conductor component market is expected to remain the largest and is also expected to witness the highest growth over the forecast period supported by growing demand in the consumer electronics, healthcare, aerospace, and automotive market.

Lucintel predicts that the demand for stretchable and conformal electronics in healthcare is likely to experience the highest growth in the forecast period supported by the demand for smart healthcare products, such as biomedical skins, smart bandages, health monitoring kits, and cyborg cardiac patches.

North America is expected to remain the largest market by value and is also

expected to witness the highest growth over the forecast period because of growing demand of wearable technologies and increasing research and development by various institutions.

Features of Stretchable and Conformal Electronics Market

Market size estimates: Stretchable and conformal electronics market size estimation in terms of value (\$M) shipment.

Trend and forecast analysis: Market trend (2018-2023) and forecast (2024-2030) by end use, and component.

Segmentation analysis: Stretchable and conformal electronics market size by various segments, such as end use, component, and region in terms of value shipment.

Regional analysis: Stretchable and conformal electronics market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth opportunities: Analysis on growth opportunities in different end use and regions for stretchable and conformal electronics market.

Strategic analysis: This includes M&A, new product development, and competitive landscape for stretchable and conformal electronics market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the stretchable and conformal electronics market size?

Answer: The global stretchable and conformal electronics market is expected to reach an estimated \$1.9 billion by 2030

Q2. What is the growth forecast for stretchable and conformal electronics market?

Answer: The stretchable and conformal electronics market is expected to grow at a CAGR of 44.2% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the stretchable and conformal electronics market?

Answer: The major drivers for this market are continuous technological advancement and increasing usage of stretchable and conformal electronics products as wearable device in consumer electronic and smart textile industry.

Q4. What are the major applications or end use industries for stretchable and conformal electronics?

Answer: Consumer electronics is expected to remain the largest end use segment due to the increasing adoption of smart wearable devices globally.

Q5. What are the emerging trends in stretchable and conformal electronics market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include adoption of stretchable electronics in artificial skin, biodegradable implants, and additive manufacturing as a new manufacturing technique.

Q6. Who are the key stretchable and conformal electronics companies?

Answer: Some of the key stretchable and conformal electronics companies are as follows:

DuPont

MC10 Inc.

Powerfilm, Inc.

Philips

StretchSense

Cambrios Technology

Q7. Which stretchable and conformal electronics product segment will be the largest in future?

Answer: Lucintel forecasts that stretchable conductor component market is expected to remain the largest and is also expected to witness the highest growth over the forecast period supported by growing demand in the consumer electronics, healthcare, aerospace, and automotive market.

Q8. In stretchable and conformal electronics market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to remain the largest region and witness the highest growth over next 5 years

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions:

Q.1 What are some of the most promising potential, high-growth opportunities for the global stretchable and conformal electronics market by end use industry (healthcare, consumer electronics, automotive, aerospace and defense, textiles, and others), component (stretchable circuits, stretchable conductors, electroactive polymers, stretchable batteries, photovoltaics, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

Q.6 What are emerging trends in this market and the reasons behind them?

Q.7 What are some changing demands of customers in the market?

Q.8 What are the new developments in the market? Which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being implemented by key players for business growth?

For any questions related to Stretchable And Conformal Electronics Market, Stretchable And Conformal Electronics Market Size, Stretchable And Conformal Electronics Market Growth, Stretchable And Conformal Electronics Market Analysis, Stretchable And Conformal Electronics Market Report, Stretchable And Conformal Electronics Market Share, Stretchable And Conformal Electronics Market Trends, Stretchable And Conformal Electronics Market Forecast, Stretchable And Conformal Electronics Companies, write Lucintel analyst at email: helpdesk@lucintel.com We will be glad to get back to you soon.

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