

Flexible Electronics - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global Flexible Electronics market is accounted for \$5.53 billion in 2017 and is expected to reach \$24.78 billion by 2026 growing at a CAGR of 18.1%. Factors such as rising applications of flexible electronics in the consumer goods industry, growth in wearable devices and increasing use of flexible sensors in smart packaging are driving the market growth. However, old technologies still dominating the market share and high cost of circuits over rigid PCB are hindering the market growth. Moreover, rising government support for lighting technologies and renewable energy projects is providing an opportunity for market growth.

Flexible electronics, also known as flex circuits, is a technology for assembling electronic circuits by mounting electronic devices on flexible plastic substrates. Flexible electronics enables new product paradigms that aren't possible with conventional semiconductors and glass substrates. Flexible displays and flexible sensors on plastic bring transformational advantages to products including shapeability, lightweight, thinness and durability while providing a path to low cost. They are used in healthcare and medical, wearable electronics, automotive, mobile devices, consumer electronics.

Based on application, medical and healthcare segment is projected to grow due to increasing usage of medical devices such as x-ray detectors, light therapies, lab-on-chip devices, smart plastics and healthcare photonics. Flexible electronics integrated with stretchable/bendable structures and various microsensors monitor the temperature, pressure, sweat, bioelectricity, body hydration, etc., have a wide range of applications in the human healthcare sector.

In terms of geography, Asia Pacific is anticipated to grow due to rising investments and the research and development activities and increase in adoption of wearable devices in

this region. North America is expected to be largest market share during the forecast period. The growth is attributed to uplift on the back of the introduction of advanced low cost flexible electronic devices and rising focus on innovations with the presence of several leading companies are expected to boost the market in this region.

Some of the key players in the Flexible Electronics market include 3M, E Inks Holdings Inc., Cymbet Corporation, Inc., LG Display Co., GSI Technologies, Plastic Logic GmbH, Multi-Fineline Electronix Inc., DaiNippon Printing, Jenax Inc., Pragmatic Printing Ltd, Imprint Energy, Blue Spark Technologies, PARC and Panasonic Corporation.

Components Covered:

Flexible Battery

Flexible Memory

Flexible Display

Flexible Sensor

Circuit Structures Covered:

Rigid Flex

Double Sided Flex

Single Sided Flex

Double Access Flex

Other Circuit Structure

Applications Covered:

Automotive

Energy and Power

Sensing

Consumer Electronics

Defense & Aerospace

Medical and Healthcare

Industrial

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

WHAT OUR REPORT OFFERS:

Flexible Electronics - Global Market Outlook (2017-2026)

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

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