

Flexible Electronics Market Size and Forecast (2020 - 2030), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Components (Display, Battery, Sensors, Memory, and Others) and Application (Consumer Electronics, Automotive, Healthcare, Industrial, and Others), and Geography

<https://marketpublishers.com/r/F21F7504580DEN.html>

Date: April 2024

Pages: 147

Price: US\$ 5,190.00 (Single User License)

ID: F21F7504580DEN

Abstracts

The flexible electronics market size is expected to grow from was valued at US\$ 25.86 billion in 2022 and is anticipated to reach US\$ 57.69 billion by 2030; it is estimated to record a CAGR of 10.6% from 2022 to 2030US\$ 197.31 million in 2022 and is expected to reach US\$ 904.94 million by 2030; it is estimated to record a CAGR of 21.0% from 2022 to 2030.

The flexible electronics market trends include the growing popularity of flexible electronics in various applications, including wearables, smartphones, and laptops, and among others. Additionally, during the forecast period, the expansion of the flexible electronics market is anticipated to be aided by the introduction of flexible batteries and the expanding use of flexible sensors in tracking and smart packaging applications. Furthermore, the market is seeing experiencing a rise in the popularity of foldable smartphones. For example, in July 2022, Samsung Electronics unveiled its new foldable smartphone series. The Galaxy Z Flip 4 and Galaxy Z Fold 4, the foldable smartphones, were introduced during the "Unfold Your World" Galaxy Unpacked online event. Moreover, the potential applications of printed and flexible electronics in smart wearable devices are being further expanded by the development of flexible sensors and in-mold electronics (IME). Thus, wearable device growth, particularly smart wearable devices, is expected to fuel the flexible electronics market growth in during the forecasted period.

In the European region, the growing automotive sector is driving fueling the flexible electronics market growth. It is one of Europe's biggest largest sectors, representing over 7% of the region's GDP. The presence of established car manufacturers and an increase in the development and sales of electric vehicles will boost the demand for flexible electronics in the coming years. Also, the government of the region is taking various initiatives for the growth of the automotive industry, which will propel the demand for flexible electronics. For instance, in April 2022, the Italian government of Italy signed a decree to allocate an incentive worth US\$ 709 million per year, from 2022 to 2024, to buy electrified or low-polluting cars and electric vans. Similarly, in May 2022, the UK government announced funding worth US\$ 50 million to encourage the development of autonomous commercial vehicles such as delivery vehicles and passenger shuttles. Thus, such initiatives from the government are accelerating the sale of automotive vehicles, further which is fueling the growth of the flexible electronics market in the forecasted period.

Samsung Electronics Co Ltd, LG Electronics, SRI International (PARC), Enfucell Flexible Electronics Ltd, Imprint Energy, Blue Spark Technologies Inc, E Ink Holdings Inc, GENERAL ELECTRIC, AUO Corporation, and MFLEX. a DSBJ Company are among the key players profiled in the flexible electronics market report. Several other major players were also studied and analyzed in the flexible electronics market report to get a holistic view of the market and its ecosystem. As per the company press releases, below is a recent key development:

- In February 2024, All Flex Solutions announced that they had started the equipment build-out of a completely new flexible circuit manufacturing facility in Minneapolis. This new facility will allow the company to expand its capacity for flexible circuits, flexible heaters, and their its newest product, CatheterFlex circuits, which is are extremely long, very thin, flexible circuits for medical applications.

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