

Printed Electronics Market Report and Forecast 2025-2034

Market Report | 2025-08-11 | 162 pages | EMR Inc.

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Report description:

The global printed electronics market stood at a value of around USD 12.63 Billion in 2024. The market is further expected to grow at a CAGR of 19.50% in the forecast period of 2025-2034 to attain USD 75.00 Billion by 2034.

Growth of the Ink Segment owing to the Growing Popularity of Conductive Inks to Bolster the Growth of the Printed Electronics Industry

Based on material, the ink segment accounts for a significant market share and is anticipated to witness a considerable growth in the forecast period. These inks, often known as functional inks, are electrically active materials with conducting, semiconducting, electrophoretic, and other properties.

The growth of the segment has been driven by the rising popularity of conductive inks, which allow the users to draw working circuits on various materials like paper or textiles. Conductive inks find applications in various industries such as photovoltaics, power electronics, EMI shielding, 3D antennas and conformal printing, flexible hybrid electronics (FHE), and 3D printed electronics, among others. This is expected to aid the growth of the segment and contribute to the overall market expansion.

The Asia Pacific to Account for a Significant Share of the Printed Electronics Industry

The printed electronics industry in the Asia Pacific is driven by the growing penetration of the internet of things (IoT) in the region, as it has augmented the demand for printed electronics to create various electronic products. The shift towards digital solutions in countries like India and China is expected to further aid the market growth. In addition, the market in the region is expected to be augmented by the attractive features and ease of production offered by printed electronics technologies.

Printed Electronics: Market Segmentation

Printed electronics is defined as a set of printing methods utilised to produce various electronic devices by printing on different

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substrates. Printed electronics can also be defined as the process wherein printing technology is used to create a variety of electronic goods such as electronic circuits, sensors, and RFID, among others.

Based on material, the market is segmented into:

- Ink
- Substrate

The various technologies in the market are:

- Inkjet
- Screen
- Gravure
- Flexographic

By device, the market is segmented into:

- Displays
- Photovoltaic
- Lighting
- RFID
- Others

Market Breakup by Region:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Increasing Applications of Printed Electronics and the Rapid Technological Advancements to Boost the Growth of the Printed Electronics Industry

The market is being driven by the growing application of printed electronics to produce various devices such as displays, photovoltaic, lighting, and RFID, among others. The rising demand for photovoltaics in solar farms and the military and defence sector is likely to propel the growth of the printed electronics industry in the forecast period. Meanwhile, the demand for printed electronics is expected to be further bolstered by the rising demand for display devices for various end uses such as advertising. With the increase in demand for more flexible, compact, and power-efficient electronic products, the demand for printed electronics is also expected to grow. Apart from this, the rapid advancements in printing technologies and material science are expected to significantly contribute to the growth of the industry in the forecast period.

Key Industry Players in the Global Printed Electronics Market

The report gives a detailed analysis of the following key players in the global printed electronics market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

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- Molex, LLC
- BASF SE
- NovaCentrix
- Nissha Co., Ltd.
- E Ink Holdings, Inc.
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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