

Printed Sensors Market by Printed Sensor Type (Biosensor, Touch Sensor, Image Sensor, Temperature Sensor), Printing Technology (Ink-Jet Printing, Screen Printing, Flexographic Printing), Application, and Geography - Global Trend and Forecast to 2022

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Abstracts

“The growing integration of printed sensors in medical wearable devices would drive the printed sensors market”

The printed sensors market is expected to grow at a CAGR of 7.0% between 2016 and 2022 to reach USD 10.46 billion by 2022. The printed sensors market is driven by factors such as the growing integration of printed sensors in medical wearable devices used to monitor various parameters of the human body and enhance patients' convenience. Moreover, the increasing importance of smart packaging and benefits of printed sensors over conventional sensors further drive the market.

“Printed image sensors to witness maximum growth during the forecast period”

The use of printed image sensors is largely driven by the consumer electronics segment owing to an increased demand for camera-enabled mobile phones, digital cameras, and tablet PCs. They are also being widely used in digital X-rays in the healthcare industry. In addition to this, the growing adoption of biometric technologies in smartphones, building automation, and e-passports as well as government initiatives to adopt biometrics for safety and security purposes in various fields further propel the growth of the printed image sensors.

“Asia-Pacific to grow at the highest rate during the forecast period”

The presence of a number of leading consumer electronics manufacturers such as Sony Corp. (Japan), Samsung SDI Co., Ltd. (South Korea), and Huawei Technologies Co., Ltd. (China) among others in the region is one of the key factors driving the APAC market for printed sensors. Furthermore, along with the rapid industrialization in this region, the growth in the production of commercial as well as non-commercial vehicles with driver assistance systems and touch infotainment systems is also expected to drive the printed sensors market.

In the process of determining and verifying the market size for several segments and subsegments obtained through secondary research, extensive primary interviews were conducted with key opinion leaders.

The break-up of the profile of primary participants is given below:

By Company Type: Tier 1 – 25%, Tier 2 – 32%, and Tier 3 – 43%

By Designation: C-Level Executives – 53%, Directors – 26%, Others – 21%

By Region: North America – 35%, Europe – 37%, APAC – 20%, RoW – 8%

The emerging trends of Internet of Things (IoT) are likely to act as a significant applications for printed sensors in the future. In many applications such as connected smart appliances, smart labels, and wearable devices among others, the performance of the devices is hampered by the size of the components embedded in the device. They require thin, flexible, and lightweight components to exchange data efficiently. Therefore, printed sensors have gained popularity among the manufacturers of these devices owing to their advantages over the conventional sensing technology.

The major players in the printed sensors market include Interlink Electronics, Inc. (U.S.), Thin Film Electronics ASA (Norway), ISORG (France), Peratech Holdco Ltd (U.K.), KWJ Engineering Inc., (U.S.), GSI Technologies, LLC (U.S.), Canatu Oy (Finland), MC10, Inc. (U.S.), PolyIC GmbH & Co. KG (Germany), PST Sensors (South Africa), and Tekscan, Inc. (U.S.) among others.

The report will help the market leaders/new entrants in this market in the following ways:

1. This report segments the printed sensors market comprehensively and provides the closest approximations of the revenues numbers for the overall market and subsegments across the different verticals and regions.
2. The report helps stakeholders to understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.
3. This report would help stakeholders to better understand their competitors and gain more insights to enhance their position in the business. The competitive landscape section includes competitor ecosystem, new product developments, partnerships, and mergers & acquisitions.

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