

Printed Electronics in Healthcare Global Market Estimated to Grow at 121% CAGR by 2020

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/EINPresswire.com/ -- Printed Electronics in
Healthcare Market 2016

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<https://www.wiseguyreports.com/reports/473690-global-market-for-printed-electronics-in-healthcare-growth-trends-and-forecasts-2015-2020>

[The Printed Electronics in Healthcare](#) is estimated to increase from \$170 million in 2015 to \$8.9 billion by the end of 2020 at a compound annual growth rate of 121%.

The estimated high growth is on account of increased funding towards this domain and also because of the interest shown by the healthcare industry to newer technology. In the long run, the costs are estimated to come down with increased competition and multiple players. Printed Electronics gives the user the advantage of printing electronic and photonic devices on different types of substrate. The printing can be done by the printing equipment available now such as flexography, inkjet, screen printing, gravure and lithography. It uses electronic conducting, optical ink or semiconducting ink to print on substrates like plastics, cloth or even paper. This technique allows the printing of resistors, thin film transistors, condensers and other different types of electronic components. This method is being used for wearable devices, dynamic posters, flexible screens, intelligent containers etc.

There are a lot of innovations going on in healthcare to help the patients as well as doctors to monitor the patients. Older techniques and technology used to monitor patients face the frequent problem of breaking down, changing batteries continuously or regular checking up which actually defeats the purpose of automated technology. The Biomedical and healthcare industries have benefitted from the advancements in materials for printed electronics. This has led to the development stretchable, flexible, conformal and sometimes biodegradable biosensors that are typically used in medical monitoring, diagnostics and drug delivery. Printed electronics is helping healthcare officials to prevent sickness and reduce errors, drive down costs and improve product performance. For the user, it is making life easier, safer and more enjoyable.

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The application of this technology is also being explored in sports with printed biosensors being used to measure heart rates, breathing and stress levels of players. Studies are also being done in the field of wound healing with the use of a paint-on, see-through, "smart" bandage that glows to indicate a wound's tissue oxygenation concentration. This is particularly important to soldiers on the battle field as oxygen plays a critical role in healing, so mapping these levels in severe wounds and burns can help to significantly improve the success of surgeries to restore limbs and physical functions. It can also be used in post-operative scenarios to monitor the flow of blood and oxygen to the regions affected/ operated.

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DRIVERS

The key factors contributing to the growth of the printed electronics market are the low cost of manufacturing these devices and is quite affordable.

RESTRAINTS

Heavy regulations in the healthcare industry and the lack of standardization across different geographies could hinder the growth of the printed electronics market.

WHAT THE REPORT OFFERS

- Global Market for Printed Electronics in Healthcare Overview with information on drivers and restraints
- In-depth Printed Electronics in Healthcare Market Analysis and its applications in the industry
- Identification of factors responsible for changing the market scenarios, rising prospective opportunities and identification of key companies which can influence the market on global and regional scale
- Extensively researched competitive landscape with profiles of major companies along with their market shares
- A comprehensive list of key market players along with the analysis of their current strategic interests and key financial information

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