

Global Electronic Skin Market Size study & Forecast, by Application (Personal Healthcare Monitoring, Wearable Technology, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Electronic Skin Market is valued approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Electronic skin, also known as e-skin, is a flexible, stretchable, and thin electronic material or device designed to replicate the functionality of human skin. It is composed of various sensors, circuits, and actuators integrated onto a flexible substrate. E-skin aims to replicate the sense of touch and other capabilities of human skin, enabling the interaction between humans and machines or the environment in a more natural and intuitive manner. The key factor driving the market growth is rising demand for better & periodic health monitoring system across healthcare, growing investment on robotics technology, and rising expenditure on advanced wearable devices that anticipated to propel the lucrative demand for the market during forecast period 2023-2030.

Moreover, E-skin is an essential component in the field of robotics and prosthetics. It enables robots and prosthetic limbs to sense and interact with the environment more effectively, enhancing their functionality and improving human-robot interaction. Thus, the growing robotics market is anticipated to support the market growth. According to Statista, in 2020, the global robotics market was valued at USD 28.46 billion; in 2022 the market reached USD 32.41 billion, and it is anticipated to reach USD 39.66 billion by 2025. Additionally, growing research and development in electronic skin is anticipated to create lucrative opportunities for the market during forecast period. However, the high initial cost, complex designing & material degradation stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Electronic Skin Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the increasing demand in healthcare, advancements in flexible electronics, growing interest in robotics and prosthetics, and rising focus on human-machine interfaces. Whereas the Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as the rising demand for healthcare applications, growing aging population, technological advancements, and rising focus on robotics and prosthetics.

Major market player included in this report are:

Xensio

Xenoma, Inc.

Vivalnk, Inc.

Intelesense Ltd

Dialog Devices Limited (Pbb Devices Ltd)

Rotex Inc.

Mc10, Inc.

Smartlifeinc Limited

Plastic Electronic Gmbh

Imageryworks Pty Ltd

Recent Developments in the Market:

NA

Global Electronic Skin Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Personal Healthcare Monitoring

Wearable Technology

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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