

Electronic Skin Market Size, Trends, Analysis, and Outlook By Product (Electronic skinsuits, Electronic skin patches), By Component (Stretchable circuits, Photovoltaics systems, Stretchable conductors, Electroactive polymers), By Sensors (Tactile sensors, Chemical sensors, Electrophysiological sensors, Others), By Application (Health monitoring systems, Drug delivery devices, Cosmetics), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Electronic Skin market size is poised to register 18.04% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry.

The industry study analyzes the global Electronic Skin market across By Product (Electronic skinsuits, Electronic skin patches), By Component (Stretchable circuits, Photovoltaics systems, Stretchable conductors, Electroactive polymers), By Sensors (Tactile sensors, Chemical sensors, Electrophysiological sensors, Others), By Application (Health monitoring systems, Drug delivery devices, Cosmetics).

The electronic skin (e-skin) market is witnessing significant growth due to advancements in wearable sensor technologies, demand for personalized healthcare monitoring solutions, and applications in healthcare, robotics, and consumer electronics. E-skin devices offer benefits such as real-time health monitoring, motion detection, and human-machine interaction, driving market adoption across medical diagnostics, prosthetics, and smart wearable devices.

Electronic Skin Market Drivers, Trends, Opportunities, and Growth Opportunities

Electronic Skin Market Size, Trends, Analysis, and Outlook By Product (Electronic skinsuits, Electronic skin p...

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Electronic Skin market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Electronic Skin survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Electronic Skin industry.

Key market trends defining the global Electronic Skin demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Electronic Skin Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Electronic Skin industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Electronic Skin companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Electronic Skin industry

Leading Electronic Skin companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Electronic Skin companies.

Electronic Skin Market Study- Strategic Analysis Review

The Electronic Skin market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Electronic Skin Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Electronic Skin industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Electronic Skin Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Electronic Skin Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Electronic Skin market segments. Similarly, Strong end-user demand is encouraging Canadian Electronic Skin companies to invest in niche segments. Further, as Mexico continues to strengthen its trade

relations and invest in technological advancements, the Mexico Electronic Skin market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Electronic Skin Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Electronic Skin industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Electronic Skin market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Electronic Skin Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Electronic Skin in Asia Pacific. In particular, China, India, and South East Asian Electronic Skin markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Electronic Skin Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Electronic Skin Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Electronic Skin market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Electronic Skin.

Electronic Skin Market Company Profiles

The global Electronic Skin market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are MC10, 3M, Intellisense Technology, Koninklijke Philips N.V., Physical Optics Corp, plastic electronic GmbH, ROTEX, VivaLnk Inc, Xenoma Inc

Recent Electronic Skin Market Developments

The global Electronic Skin market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Electronic Skin Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Product

Electronic skinsuits

Electronic skin patches

By Component

Stretchable circuits

Photovoltaics systems

Stretchable conductors

Electroactive polymers

By Sensors

Tactile sensors

Chemical sensors

Electrophysiological sensors

Others

By Application

Health monitoring systems

Drug delivery devices

Cosmetics

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

MC10

3M

Intellisense Technology

Koninklijke Philips N.V.

Physical Optics Corp

plastic electronic GmbH

ROTEX

VivaLnk Inc

Xenoma Inc

Formats Available: Excel, PDF, and PPT

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 - By Component

Stretchable circuits
Photovoltaics systems
Stretchable conductors
Electroactive polymers
By Sensors
Tactile sensors
Chemical sensors
Electrophysiological sensors
Others
By Application
Health monitoring systems
Drug delivery devices
Cosmetics

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3M

Intellisense Technology

Koninklijke Philips N.V.

Physical Optics Corp

plastic electronic GmbH

ROTEX

VivaLnk Inc

Xenoma Inc

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