

Global Artificial Organ and Bionics Market 2023-2029

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Abstracts

Artificial organs comprise complex medical devices that have active mechanical or biochemical functions such as heart, lung, kidney, liver, pancreas, or neurosensory organs. While bionics means the replacement or enhancement of organs or other body parts by mechanical versions. Bionic implants differ from mere prostheses by mimicking the original function very closely, or even surpassing it. The global artificial organ and bionics market is projected to rise by USD 24.8 billion by 2029, according to a new report by Gen Consulting Company. It is anticipated to expand at a CAGR of 8.8 percent during the forecast period.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global artificial organ and bionics market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, technology, and region. The global market for artificial organ and bionics can be segmented by product: artificial organ, bionics. The artificial segment is estimated to account for the largest share of the global artificial organ and bionics market. Artificial organ and bionics market is further segmented by technology: electronic, mechanical. The mechanical segment held the largest revenue share in 2022. Based on region, the artificial organ and bionics market is segmented into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. Globally, North America made up the largest share of the artificial organ and bionics market.

The artificial organ market is further segmented into artificial heart, artificial kidney,

artificial liver, artificial lungs, artificial pancreas. The artificial kidney segment held the largest share of the global artificial organ and bionics market in 2022 and is anticipated to hold its share during the forecast period. Furthermore, the bionics market has been categorized into cardiac bionics, ear bionics, neural bionics, orthopedic bionics, vision bionics. In 2022, the cardiac bionics segment made up the largest share of revenue generated by the artificial organ and bionics market.

Market Segmentation

By product: artificial organ, bionics

By technology: electronic, mechanical

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report has also analysed the competitive landscape of the global artificial organ and bionics market with some of the key players being Abbott Laboratories, Abiomed, Inc., Baxter International Inc. (Gambro AB), Berlin Heart GmbH, Beta Bionics, Inc., BiVACOR Inc., Boston Scientific Corporation, Carmat SA, Cirtec Medical, LLC, Cochlear Limited, CorWave SA, Edwards Lifesciences Corporation, Ekso Bionics Holdings Inc., Evaheart, Inc., German Bionic Systems GmbH, Guangdong Baihe Medical Technology Co., Ltd., Jarvik Heart, Inc., Lepu Medical Technology (Beijing) Co., Ltd., MED-EL Elektromedizinische Gerate Deutschland GmbH, Medtronic plc, Mobius Bionics LLC, Nipro Corporation, Ossur hf., Ottobock SE & Co. KGaA, Pixium Vision SA, ReWalk Robotics Ltd., Sonova Holding AG, SynCardia Systems, LLC (Picard Medical, Inc.), Vivani Medical Inc. (Second Sight Medical Products, Inc.), Zimmer Biomet Holdings, Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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Scope of the Report

To analyze and forecast the market size of the global artificial organ and bionics market.

To classify and forecast the global artificial organ and bionics market based on product, technology, region.

To identify drivers and challenges for the global artificial organ and bionics market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global artificial organ and bionics market.

To identify and analyze the profile of leading players operating in the global artificial organ and bionics market.

Why Choose This Report

Gain a reliable outlook of the global artificial organ and bionics market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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Artificial organ
Bionics

PART 6. MARKET BREAKDOWN BY TECHNOLOGY

Electronic
Mechanical

PART 7. MARKET BREAKDOWN BY REGION

North America
Europe
Asia-Pacific
MEA (Middle East and Africa)
Latin America

PART 8. KEY COMPANIES

Abbott Laboratories

Abiomed, Inc.

Baxter International Inc. (Gambro AB)

Berlin Heart GmbH

Beta Bionics, Inc.

BiVACOR Inc.

Boston Scientific Corporation

Carmat SA

Cirtec Medical, LLC

Cochlear Limited

CorWave SA

Edwards Lifesciences Corporation

Ekso Bionics Holdings Inc.

Evaheart, Inc.

German Bionic Systems GmbH

Guangdong Baihe Medical Technology Co., Ltd.

Jarvik Heart, Inc.

Lepu Medical Technology (Beijing) Co., Ltd.

MED-EL Elektromedizinische Gerate Deutschland GmbH

Medtronic plc

Mobius Bionics LLC

Nipro Corporation

Ossur hf.

Ottobock SE & Co. KGaA

Pixium Vision SA

ReWalk Robotics Ltd.

Sonova Holding AG

SynCardia Systems, LLC (Picard Medical, Inc.)

Vivani Medical Inc. (Second Sight Medical Products, Inc.)

Zimmer Biomet Holdings, Inc.

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