

Bio-Implants Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global bio-implants market size reached US\$ 117.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 189.0 Billion by 2028, exhibiting a growth rate (CAGR) of 8.12% during 2023-2028.

Bio-implants are prostheses that are used for replacing, supporting or enhancing a biological structure. They are made up of different biosynthetic materials like collagen and tissue-engineered products like artificial skin. Bio-implants are majorly divided into three categories: biological implants that constitute bioartificial organs, cell therapy and tissue engineering; biologized implants that comprise of in-vivo cell lining, technical implants and biohybrid systems; and biofunctionalized implants that include surface-functionalized implants and drug-eluting stents. Bio-implants have been planted in various spheres of ENT and have resulted in some of the most successful surgical outcomes. They help to regularize physiological functions of patients which allows them to lead an efficient life.

Global Bio-Implants Industry Drivers:

The growth of the bio-implants market is driven by a rise in the geriatric population around the world which is the largest end-user of these implants. Moreover, technological advancements and increasing awareness about the success of cosmetic implantations are providing a positive thrust to the market growth. Further, as dental implants are one of the biggest contributors to the growth of the bio-implants market, an increase in dental issues across the globe is aiding the market growth. Additionally, cardiac pacemakers and orthopaedic artificial implants are in constant demand owing to the growing prevalence of cardiovascular and orthopaedic conditions.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global bio-implants market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on type of bio-implants, material, origin, mode of administration and end-user.

Breakup by Type of Bio-Implants:

- Cardiovascular Implants
- Dental Implants
- Spinal Bio-implants
- Orthopaedic Implants
- Ophthalmic Implants
- Others

Based on the type of bio-implants, the market has been segmented into cardiovascular implants, dental implants, spinal bio-implants, orthopaedic implants, ophthalmic implants and others.

Breakup by Material:

- Metallic
- Ceramic
- Polymer
- Biological

Based on the type of material, the market has been segmented into metallic, ceramic, polymer and biological.

Breakup by Origin:

- Allograft
- Autograft
- Xenograft
- Synthetic

Based on the origin, the market has been segmented into allograft, autograft, xenograft and synthetic.

Breakup by Mode of Administration:

Non Surgical
Surgical

Based on the mode of administration, the market has been segmented into non-surgical and surgical.

Breakup by End-User:

Ambulatory Surgical Centers
Clinics
Hospital
Others

Based on the end-user, the market has been segmented into ambulatory surgical centers, clinics, hospital and others.

Breakup by Region:

North America
Europe
Asia Pacific
Middle East and Africa
Latin America

Region-wise, the market has been segmented into North America, Europe, Asia Pacific, Middle East and Africa, and Latin America.

Competitive Landscape:

The competitive landscape of the market has also been examined with some of the key players being Abbott Laboratories, Boston Scientific Corporation, Stryker Corporation, St. Jude Medical Inc, Medtronic Inc., Smith and Nephew, Wright Medical Group, Zimmer Biomet, Dentsply Sirona, Invibio Limited, Straumann, Danaher Corporation, Cardinal Health, Johnson & Johnson, B. Braun Melsungen, LifeNet Health, Inc and Endo International plc.

Key Questions Answered in This Report

1. What was the size of the global bio-implants market in 2022?
2. What is the expected growth rate of the global bio-implants market during

2023-2028?

3. What are the key factors driving the global bio-implants market?
4. What has been the impact of COVID-19 on the global bio-implants market?
5. What is the breakup of the global bio-implants market based on the type of bio-implants?
6. What is the breakup of the global bio-implants market based on the origin?
7. What is the breakup of the global bio-implants market based on the end-user?
8. What are the key regions in the global bio-implants market?
9. Who are the key players/companies in the global bio-implants market?

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