

Global Biomaterial Market (2009-2014)

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Abstracts

The biomaterials market is defined and explained through the introduction of biotechnology and advances in the understanding of human tissue compatibility. Developing from bio-inert materials to biodegradable materials, biomaterials are widely used in medical devices, tissue replacement, and surface coating applications. The major segments in biomaterials market are ceramics, metals, polymers, and composites. Biomaterials products are classified into orthopedic, cardiovascular, gastrointestinal, wound care, urology, plastic surgery, and others. Reconstructive surgery and orthobiologics are the dominant segments in orthopedic biomaterials market.

Biomaterials products had a market size of \$25.5 billion in 2008, and the biomaterial device market size was \$115.4 billion in the same year, and is expected to reach \$252.7 billion in 2014. This massive revenue potential highlights the immense opportunity in the market. In the next five years, the biomaterials market is expected to grow at a CAGR of 15%.

Improved patient benefits form the most important factor stimulating market growth for biomaterials. The other market drivers are increase in aging population, rising awareness, shorter product approval time, and larger application area. However, the lack of tissue availability and proper reimbursement facilities are restraining the growth of the biomaterials market.

Improvement in fabrication technology and new product development at competitive prices will be the key to future market growth. The U.S. and Europe hold a major share of the global biomaterials market; while emerging economies such as China, India, Japan, Brazil, Russia, and Romania represent a high growth rate.

REPORT DESCRIPTION

This report uses the term biomaterials to refer to the materials used in the human body. The report segments the global biomaterial market as follows:

Biomaterials product market

Orthopaedic, cardiovascular, gastrointestinal, wound care, plastic surgery, urological and others

Biomaterials ingredient market

Metals, polymers, ceramics, composites

Biomaterials application market

General, surgical appliances and supplies, surgical and medical instruments, dental products, electro-medical equipment, in-vitro diagnostic products, and other applications

Each section will provide market data, market drivers, trends and opportunities, top-selling products, key players, and competitive outlook. This report will also provide more than 100 market tables for various geographic regions covering the sub-segments and micro-markets. In addition, the report also provides more than 50 company profiles for each of its sub-segments.

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15 pages of high level analysis including benchmarking strategies, best practices and the market's cash cows (BCG matrix). We conduct detailed market positioning, product positioning and competitive positioning. Entry strategies, gaps and opportunities are identified for all the stakeholders.

Comprehensive market analysis for the following sectors:

Pharmaceuticals, Medical Devices, Biotechnology, Semiconductor and Electronics, Energy and Power Supplies, Food and Beverages, Chemicals, Advanced Materials, Industrial Automation, and Telecom and IT. We also analyze retailers and super-retailers, technology providers, and research and development (R&D) companies.

Key questions answered

Which are the high-growth segments/cash cows and how is the market segmented in terms of applications, products, services, ingredients, technologies, and stakeholders?

What are market estimates and forecasts; which markets are doing well and which are not?

Where are the gaps and opportunities; what is driving the market?

Which are the key playing fields? Which are the winning edge imperatives?

How is the competitive outlook; who are the main players in each of the segments; what are the key selling products; what are their strategic directives, operational strengths and product pipelines? Who is doing what?

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LIST OF ACRONYMS AND ABBREVIATIONS

- AAOS: American Academy of Orthopedic Surgery
- AF: Atrial Fibrillation
- BMP: Bone Morphogenic Protein
- BTB: Bone Tendon Bone
- CAGR: Compounded Annual Growth Rate
- CE: Conformit? Europ?ene
- CP: Combination Pharmacotherapy
- CMF: Craniomaxillofacial
- CRT: Cardiac Resynchronization Therapy
- CSC: Cancellous Structure Ceramics
- CT: Computed Tomography
- DBM: Demineralized Bone Matrix
- DES: Drug Eluting Stents
- ESC: Environmental Stress Cracking
- FDA: Food and Drugs Administration
- HA: Hyaluronic Acid
- ICD: Implantable Cardioverter Defibrillator
- IDE: Investigational Device Exemption
- LCP: Locking Compression Plate
- MI: Myocardial Infraction

MRI: Magnetic Resonance Imaging
MIS: Minimally Invasive Surgery
MS: Multiple Sclerosis
OTC: Over the Counter
PEEK: Polyetheretherketone
PICC: Peripherally Inserted Central Catheter
PMMA: Polymethylmethacrylate
R&D: Research and Development
RF: Radio Frequency
ROW: Rest of the World
SFDA: State Food and Drugs Administration

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