

Tissue Engineering Market by Product (Scaffolds (Collagen, Stem Cell), Tissue Grafts (Allograft, Autograft, Xenograft)), Material (Biological, Synthetic), Application (Orthopedics, Dermatology, Wound Care, Cardiovascular) - Global Forecast to 2028

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Report description:

The tissue engineering market is projected to reach USD 8.9 billion by 2028 from an estimated USD 4.4 billion in 2023, at a CAGR of 15.3% during the forecast period. The growth of this market can be attributed to rising funding and investments for the development of advanced tissue engineering solutions and growing technological advancements in regenerative medicines. In addition, increasing incidences of road accidents and trauma injuries drive the demand for tissue engineering products. The rising demand for tissue-engineered products for the treatment of chronic and degenerative diseases is promoting the growth of the market.

"The synthetic material segment accounted for the largest share by material in 2022."

The synthetic material segment accounted for the largest share of material in the global tissue engineering market in 2022. Various factors, such as increasing demand for innovative tissue engineering solutions for tissue repair and regeneration and growing investments and government funding for the advancement of technologies in the healthcare sector, are driving the demand for synthetic materials in the tissue engineering market. Additionally, the market share of the synthetic material market is expected to grow simultaneously with the growing demand for regenerative medicines.

"The Asia Pacific region is growing in the tissue engineering market during the forecast period of 2023-2028."

Increasing R&D activities and the growing adoption of advanced medical care technologies are the major factors driving the adoption of tissue engineering. The Asia Pacific region is growing at a higher rate during the forecast period. Several factors, including the growing adoption of advanced medical care technologies and the booming healthcare industry, are propelling the growth of the tissue engineering market in the region. The increasing advancements in cell therapies and regenerative medicines are promoting the growth of the tissue engineering market in the region. For instance, the Department of Science & Technology

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(DST), Government of India, Inspire fellows are developing biomaterials for bone tissue regeneration. The study focuses on the development of materials for therapeutic applications and studying properties of stem cells for tissue regeneration.

The primary interviews conducted for this report can be categorized as follows:

- By Respondent: Supply Side- 80% and Demand Side 20%
 - By Designation: Managers - 45%, CXO & Directors - 30%, and Executives - 25%
 - By Region: North America -40%, Europe -25%, Asia-Pacific -20%, Latin America -10% and Middle East & Africa- 5%
- List of Companies Profiled in the Report:

- Organogenesis (US)
- AbbVie Inc. (US)
- Baxter (US)
- BD (US)
- B. Braun (Germany)
- TEIJIN Limited (Japan)
- Institut Straumann AG (Switzerland)
- Integra Lifesciences (US)
- Johnson & Johnson Services, Inc. (US)
- Medtronic (Ireland)
- NuVasive, Inc. (US)
- Stryker (US)
- Terumo Corporation (Japan)
- W. L. Gore & Associates Inc. (US)
- Zimmer Biomet (US)
- Smith & Nephew plc (UK)
- MIMEDX Group, Inc. (US)
- BioTissue (US)
- CollPlant Biotechnologies Ltd. (Israel)
- Sumitomo Pharma Co., Ltd. (Japan)
- Matricel GmbH (Germany)
- Mallinckrodt (US)
- Regrow Biosciences Pvt Ltd (India)
- Vericel Corporation (US)
- Tecnos S.R.L. (Italy)
- Tegoscience (South Korea)
- Tissue Regenix (UK)

Research Coverage:

This research report categorizes the tissue engineering market by product type (scaffold, tissue grafts, and other products), material (synthetic material and biologically derived material), application (orthopedics & musculoskeletal disorders, dermatology & wound care, dental disorders, cardiovascular diseases, and others), end user (hospitals, specialty centers and clinics, and ambulatory surgical centers)

The report's scope encompasses detailed information regarding major influencing factors such as drivers, trends, challenges, and opportunities shaping the growth of the tissue engineering market. A comprehensive analysis of key industry players has been conducted to offer insights into their business overview, products, key strategies, collaborations, partnerships, and agreements. The report also covers recent developments, including new product launches, mergers and acquisitions, and the

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tissue engineering market.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants by providing them with the closest approximations of the revenue numbers for the overall tissue engineering market and its subsegments. It will also help stakeholders better understand the competitive landscape and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

- Analysis of key drivers (rising funding and investments for the development of innovative tissue engineering products and growing need for tissue engineering solutions), restraints (strict regulations), opportunities (increasing technological advancements such as 3D bioprinting and organ-on-chip technology), and challenges (limited awareness for tissue engineering) influencing the growth of the market.
- Product Development/Innovation: Detailed insights on newly launched products of the tissue engineering market
- Market Development: Comprehensive information about lucrative markets - the report analyses the market across varied regions.
- Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the tissue engineering market
- Competitive Assessment: Organogenesis (US), AbbVie Inc. (US), Baxter (US), BD (US), B. Braun (Germany), TEIJIN Limited (Japan), Institut Straumann AG (Switzerland), Integra Lifesciences (US), Johnson & Johnson Services, Inc. (US), Medtronic (Ireland), NuVasive, Inc. (US), Stryker (US), Terumo Corporation (Japan), W. L. Gore & Associates Inc. (US), Zimmer Biomet (US), Smith & Nephew plc (UK), MIMEDX Group, Inc. (US), BioTissue (US), ColIPlant Biotechnologies Ltd. (Israel), Sumitomo Pharma Co., Ltd. (Japan), Matricel GmbH (Germany), Mallinckrodt (US), Regrow Biosciences Pvt Ltd (India), Vericel Corporation (US), TecnoSS S.R.L. (Italy), Tegoscience (South Korea), and Tissue Regenix (UK).

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