

3D Printing Medical Devices Market Size, Trends, Analysis, and Outlook By Component (Equipment, Materials, Services, Software), By Application (Surgical Guides, Surgical Instruments, Standard Prosthetics & Implants, Custom Prosthetics & Implants, Tissue-engineered Products, Hearing Aids, Wearable Medical Devices, Others), By Technology (Laser Beam Melting, Photopolymerization, Droplet Deposition/Extrusion-based Technologies, Electron Beam Melting, Three-dimensional Printing/Adhesion Bonding/Binder Jetting, Others), By End-User (Hospitals & Surgical Centers, Dental & Orthopedic Clinics, Academic Institutions & Research Laboratories, Pharma-Biotech & Medical Device Companies, Clinical Research Organizations), by Country, Segment, and Companies, 2024-2032

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Abstracts

The global 3D Printing Medical Devices market size is poised to register 16.5% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global 3D Printing Medical Devices market across By Component (Equipment, Materials, Services, Software), By Application (Surgical Guides, Surgical Instruments, Standard Prosthetics & Implants, Custom

Prosthetics & Implants, Tissue-engineered Products, Hearing Aids, Wearable Medical Devices, Others), By Technology (Laser Beam Melting, Photopolymerization, Droplet Deposition/Extrusion-based Technologies, Electron Beam Melting, Three-dimensional Printing/Adhesion Bonding/Binder Jetting, Others), By End-User (Hospitals & Surgical Centers, Dental & Orthopedic Clinics, Academic Institutions & Research Laboratories, Pharma-Biotech & Medical Device Companies, Clinical Research Organizations)

The 3D printing medical devices market is propelled by increasing patient-specific customization, cost-efficiency in production, and regulatory approvals for a wider range of applications. By 2030, the market is expected to witness exponential growth, driven by the adoption of 3D-printed implants, prosthetics, and surgical instruments. With advancements in materials science and printing technologies, the industry is poised to deliver breakthrough innovations, such as on-demand manufacturing of personalized medical devices directly at the point of care, thereby transforming patient outcomes and healthcare delivery.

3D Printing Medical Devices Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The 3D Printing Medical Devices market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of 3D Printing Medical Devices 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 3D Printing Medical Devices industry.

Key market trends defining the global 3D Printing Medical Devices 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.

3D Printing Medical Devices Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The 3D Printing Medical Devices 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 3D Printing Medical Devices companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the 3D Printing Medical Devices industry

Leading 3D Printing Medical Devices 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 3D Printing Medical Devices companies.

3D Printing Medical Devices Market Study- Strategic Analysis Review

The 3D Printing Medical Devices 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.

3D Printing Medical Devices Market Size Outlook- Historic and Forecast Revenue in Three Cases

The 3D Printing Medical Devices 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 2032 in three case scenarios- low case, reference case, and high case scenarios.

3D Printing Medical Devices Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. 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 2032.

North America 3D Printing Medical Devices 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 healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various 3D Printing Medical Devices market segments. Similarly, Strong market demand is encouraging Canadian 3D Printing Medical Devices companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico 3D Printing Medical Devices market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe 3D Printing Medical Devices Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European 3D Printing Medical Devices 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 vendors in identifying and leveraging new growth prospects positions the European 3D Printing Medical Devices 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 3D Printing Medical Devices 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 3D Printing Medical Devices in Asia Pacific. In particular, China, India, and South East Asian 3D Printing Medical Devices markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors 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 countries in the APAC region.

Latin America 3D Printing Medical Devices 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 3D Printing Medical Devices 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 3D Printing Medical Devices market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for 3D Printing Medical Devices.

3D Printing Medical Devices Market Company Profiles

The global 3D Printing Medical Devices 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 3D Systems Inc, 3T Additive Manufacturing Ltd, Apprecia Pharmaceuticals LLC, Carbon Inc, CELLINK AB,

Dentsply Sirona Inc, Desktop Metal Inc, DWS Systems SRL, E-Additive Solutions, EnvisionTEC Inc, EOS GmbH Electro Optical Systems, FabRx Ltd, FIT AG, Fluicell AB, Formlabs Inc, General Electric Company, GESIM, HP Inc, Inventia Life Science Pty Ltd, Materialise NV, Organovo Holdings Inc, Prodways Group, Proto Labs Inc, regenHU Ltd, Renishaw plc, Roland DG Corp, SLM Solutions Group AG, Stratasys Ltd, Triastek Inc, Wacker Chemie AG.

Recent 3D Printing Medical Devices Market Developments

The global 3D Printing Medical Devices market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

3D Printing Medical Devices Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (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 Component

Equipment

-3D Printers

-3D Bioprinters

Materials

-Plastics

-Metals and Metal Alloys

-Biomaterials

-Ceramics

-Paper

-Wax

-Others

Services

Software

By Application

Surgical Guides

Surgical Instruments

Standard Prosthetics & Implants

Custom Prosthetics & Implants

Tissue-engineered Products

Hearing Aids

Wearable Medical Devices

Others

By Technology

Laser Beam Melting

Photopolymerization

Droplet Deposition/Extrusion-based Technologies

Electron Beam Melting

Three-dimensional Printing/Adhesion Bonding/Binder Jetting

Others

By End-User

Hospitals & Surgical Centers

Dental & Orthopedic Clinics

Academic Institutions & Research Laboratories

Pharma-Biotech & Medical Device Companies

Clinical Research Organizations

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

3D Systems Inc

3T Additive Manufacturing Ltd

Apprecia Pharmaceuticals LLC

Carbon Inc

CELLINK AB

Dentsply Sirona Inc

Desktop Metal Inc

DWS Systems SRL

E-Additive Solutions

EnvisionTEC Inc

EOS GmbH Electro Optical Systems

FabRx Ltd

FIT AG

Fluicell AB

Formlabs Inc

General Electric Company

GESIM

HP Inc

Inventia Life Science Pty Ltd

Materialise NV

Organovo Holdings Inc

Prodways Group

Proto Labs Inc

regenHU Ltd

Renishaw plc

Roland DG Corp

SLM Solutions Group AG

Stratasys Ltd

Triastek Inc

Wacker Chemie AG

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Contents

1. EXECUTIVE SUMMARY

- 1.1 3D Printing Medical Devices Market Overview and Key Findings, 2024
- 1.2 3D Printing Medical Devices Market Size and Growth Outlook, 2021- 2030
- 1.3 3D Printing Medical Devices Market Growth Opportunities to 2030
- 1.4 Key 3D Printing Medical Devices Market Trends and Challenges
 - 1.4.1 3D Printing Medical Devices Market Drivers and Trends
 - 1.4.2 3D Printing Medical Devices Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading 3D Printing Medical Devices Companies

2. 3D PRINTING MEDICAL DEVICES MARKET SIZE OUTLOOK TO 2030

- 2.1 3D Printing Medical Devices Market Size Outlook, USD Million, 2021- 2030
- 2.2 3D Printing Medical Devices Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. 3D PRINTING MEDICAL DEVICES MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. 3D PRINTING MEDICAL DEVICES MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
 - By Component
 - Equipment
 - 3D Printers

- 3D Bioprinters
- Materials
 - Plastics
 - Metals and Metal Alloys
 - Biomaterials
 - Ceramics
 - Paper
 - Wax
 - Others
- Services
- Software
- By Application
 - Surgical Guides
 - Surgical Instruments
 - Standard Prosthetics & Implants
 - Custom Prosthetics & Implants
 - Tissue-engineered Products
 - Hearing Aids
 - Wearable Medical Devices
 - Others
- By Technology
 - Laser Beam Melting
 - Photopolymerization
 - Droplet Deposition/Extrusion-based Technologies
 - Electron Beam Melting
 - Three-dimensional Printing/Adhesion Bonding/Binder Jetting
 - Others
- By End-User
 - Hospitals & Surgical Centers
 - Dental & Orthopedic Clinics
 - Academic Institutions & Research Laboratories
 - Pharma-Biotech & Medical Device Companies
 - Clinical Research Organizations
- 4.3 Growth Prospects and Niche Opportunities, 2023- 2030
- 4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific 3D Printing Medical Devices Market, 2025

3D Printing Medical Devices Market Size, Trends, Analysis, and Outlook By Component (Equipment, Materials, Ser...

- 5.2 Asia Pacific 3D Printing Medical Devices Market Size Outlook by Type, 2021- 2030
- 5.3 Asia Pacific 3D Printing Medical Devices Market Size Outlook by Application, 2021-2030
- 5.4 Key Findings for Europe 3D Printing Medical Devices Market, 2025
- 5.5 Europe 3D Printing Medical Devices Market Size Outlook by Type, 2021- 2030
- 5.6 Europe 3D Printing Medical Devices Market Size Outlook by Application, 2021-2030
- 5.7 Key Findings for North America 3D Printing Medical Devices Market, 2025
- 5.8 North America 3D Printing Medical Devices Market Size Outlook by Type, 2021-2030
- 5.9 North America 3D Printing Medical Devices Market Size Outlook by Application, 2021- 2030
- 5.10 Key Findings for South America 3D Printing Medical Devices Market, 2025
- 5.11 South America Pacific 3D Printing Medical Devices Market Size Outlook by Type, 2021- 2030
- 5.12 South America 3D Printing Medical Devices Market Size Outlook by Application, 2021- 2030
- 5.13 Key Findings for Middle East and Africa 3D Printing Medical Devices Market, 2025
- 5.14 Middle East Africa 3D Printing Medical Devices Market Size Outlook by Type, 2021- 2030
- 5.15 Middle East Africa 3D Printing Medical Devices Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

- 6.1 US 3D Printing Medical Devices Market Size Outlook and Revenue Growth Forecasts
- 6.2 US 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts

- 6.14 Spain 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East 3D Printing Medical Devices Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa 3D Printing Medical Devices Industry Drivers and Opportunities

7. 3D PRINTING MEDICAL DEVICES MARKET OUTLOOK ACROSS SCENARIOS

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

8. 3D PRINTING MEDICAL DEVICES COMPANY PROFILES

- 8.1 Profiles of Leading 3D Printing Medical Devices Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

3D SYSTEMS INC

3T ADDITIVE MANUFACTURING LTD

Apprecia Pharmaceuticals LLC
Carbon Inc
CELLINK AB
Dentsply Sirona Inc
Desktop Metal Inc
DWS Systems SRL
E-Additive Solutions
EnvisionTEC Inc
EOS GmbH Electro Optical Systems
FabRx Ltd
FIT AG
Fluicell AB
Formlabs Inc
General Electric Company
GESIM
HP Inc
Inventia Life Science Pty Ltd
Materialise NV
Organovo Holdings Inc
Prodways Group
Proto Labs Inc
regenHU Ltd
Renishaw plc
Roland DG Corp
SLM Solutions Group AG
Stratasys Ltd
Triastek Inc
Wacker Chemie AG.

9. APPENDIX

3D Printing Medical Devices Market Size, Trends, Analysis, and Outlook By Component (Equipment, Materials, Ser...

- 9.1 Scope of the Report
- 9.2 Research Methodology and Data Sources
- 9.3 Glossary of Terms
- 9.4 Market Definitions
- 9.5 Contact Information

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