

3D Printed Surgical Models Market Size, Share & Trends Analysis Report By Specialty (Neurosurgery, Orthopedic Surgery), By Technology (SLA, CJP, FDM), By Material (Metals, Plastics), By Region, And Segment Forecasts, 2022 - 2030

<https://marketpublishers.com/r/3E7DA386BF26EN.html>

Date: October 2022

Pages: 100

Price: US\$ 5,950.00 (Single User License)

ID: 3E7DA386BF26EN

Abstracts

This report can be delivered to the clients within 3 Business Days

3D Printed Surgical Models Market Growth & Trends

The global 3D printed surgical models market size is expected to reach USD 1.60 billion by 2030, according to a new report by Grand View Research, Inc., registering a CAGR of 14.8% in the forecast period. The market for 3D printed surgical models has grown as a result of the increased demand for technological advancements in surgical instruments, techniques, 3D printed materials, and individualized healthcare. The use of 3D printed surgical models in the medical industry for planning endovascular aneurysm repair, tumor excision, and the cure for trauma injuries in orthopedic surgery has improved market statistics for 3D printed surgical models.

Surgeons are particularly intrigued by 3D-printed surgical models as they can speed up operations and increase accuracy. 25 studies utilizing 3D-printed surgical guides showed a mean time savings of 23 minutes, while seven research using 3D-printed anatomic models in surgical care showed a mean time saving of 62 minutes. Academic Radiology published the results of this investigation. Furthermore, the rising spending on healthcare by governments worldwide aids surgeons in performing surgery successfully and precisely, leading to a rise in the number of successful treatments. The surge in demand for minimally invasive procedures has been the primary factor driving the industry expansion for 3D printed surgical models throughout the predicted

timeframe.

Due to technological improvements and advances in the medical sciences, the market is growing. The industry share is being driven by an older population and a global need for minimally invasive surgery. On the other hand, it is anticipated that the high cost of the technology will limit the demand. The increased utilization of refurbished and recycled equipment is also anticipated to limit industry growth during the forecast period. The pandemic has caused a decline in the demand for goods and equipment, which affected new investments in the healthcare sector.

Due to strict lockdown restrictions in the nation and the product's disrupted supply chain, medical devices also saw low sales and revenue in the first half of 2020. The COVID-19 pandemic had a negative effect on the industry in 2020 as it caused delays in elective procedures and increased financial burden on hospitals. However, there was a spike in elective operations in 2021, indicating a gain in surgical procedure demand following COVID-19, which is expected to favorably impact industry growth.

3D Printed Surgical Models Market Report Highlights

The orthopedic surgery segment dominated the industry in 2021 due to the growing geriatric population and increased prevalence & incidence of orthopedic illnesses

The Fused Deposition Modeling(FDM) segment is expected to witness a significant CAGR during the forecast period. FDM printers are economical in medical 3D printing labs, which aids the segment dominance

FDM technology is a sort of material extrusion technology that is perfect for doctors since it is quick, simple to use, office-friendly, and allows for low-cost prototype development

North America dominated the global industry in 2021 owing to the rising cases of chronic disorders, technological advances in healthcare, and the high geriatric population in the U.S.

Asia Pacific is estimated to register the fastest CAGR during the forecast period due to the growing patient population, supportive government initiatives, and rising disposable income

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market Segmentation & Scope
 - 1.1.1 Specialty
 - 1.1.2 Technology
 - 1.1.3 Material
 - 1.1.4 Regional Scope
 - 1.1.5 Estimates And Forecast Timeline
- 1.2 Research Methodology
- 1.3 Information Procurement
 - 1.3.1 Purchased Database
 - 1.3.2 Gvr's Internal Database
 - 1.3.3 Secondary Sources
 - 1.3.4 Primary Research
 - 1.3.5 Details Of Primary Research
- 1.4 Information Or Data Analysis
 - 1.4.1 Data Analysis Models
- 1.5 Market Formulation & Validation
- 1.6 Model Details
 - 1.6.1 Commodity Flow Analysis (Model 1)
- 1.7 List of Secondary Sources
- 1.8 List of Primary Sources
- 1.9 List of Abbreviations
- 1.10 Objectives
 - 1.10.1 Objective - 1:
 - 1.10.2 Objective - 2:
 - 1.10.3 Objective - 3:
 - 1.10.4 Objective - 4:

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Outlook

CHAPTER 3 3D PRINTED SURGICAL MODELS MARKET: VARIABLES, TRENDS, & SCOPE

- 3.1 Market Segmentation and Scope

3.2 Market Dynamics

3.2.1 Market Driver Analysis

3.2.1.1 Increasing Number Of Patients Having Osteoarthritis

3.2.1.2 Rising Technological Advancement

3.2.1.3 Demand For Minimally Invasive Procedures

3.2.2 Market Restraint Analysis

3.2.2.1 High Cost Of Devices

3.3 Penetration & Growth Prospect Mapping

3.4 3d Printed Surgical Models: Market Analysis Tools

3.4.1 Industry Analysis - Porter's

3.4.2 Pestel Analysis

3.5 COVID-19 Impact and Reformation Analysis

CHAPTER 4 3D PRINTED SURGICAL MODELS MARKET: SPECIALTY SEGMENT ANALYSIS

4.1 3D Printed Surgical Models: Specialty Market Share Analysis, 2021 & 2030

4.2 Cardiac Surgery/Interventional Cardiology

4.2.1 Cardiac Surgery/ Interventional Cardiology Market Estimates And Forecasts, 2018 - 2030 (USD Million)

4.3 Gastroenterology Endoscopy of Esophageal

4.3.1 Gastroenterology Endoscopy of Esophageal Market Estimates And Forecasts, 2018 - 2030 (USD Million)

4.4 Neurosurgery

4.4.1 Neurosurgery Market Estimates And Forecasts, 2018 - 2030 (USD Million)

4.5 Orthopedic Surgery

4.5.1 Orthopedic SurgeryMarket Estimates And Forecasts, 2018 - 2030 (USD Million)

4.6 Reconstructive Surgery

4.6.1 Reconstructive SurgeryMarket Estimates And Forecasts, 2018 - 2030 (USD Million)

4.7 Surgical Oncology

4.7.1 Surgical Oncology Market Estimates And Forecasts, 2018 - 2030 (USD Million)

4.8 Transplant Surgery

4.8.1 Transplant Surgery Market Estimates And Forecasts, 2018 - 2030 (USD Million)

CHAPTER 5 3D PRINTED SURGICAL MODELS MARKET: TECHNOLOGY SEGMENT ANALYSIS

5.1 3D Printed Surgical Models: Technology Market Share Analysis, 2021 & 2030

5.2 Stereolithography (SLA)

5.2.1 Stereolithography (SLA) Market Estimates And Forecasts, 2018 - 2030 (USD Million)

5.3 ColorJet Printing (CJP)

5.3.1 ColorJet Printing (CJP) Market Estimates And Forecasts, 2018 - 2030 (USD Million)

5.4 MultiJet/PolyJet Printing

5.4.1 MultiJet/PolyJet Printing Market Estimates And Forecasts, 2018 - 2030 (USD Million)

5.5 Fused Deposition Modeling (FDM)

5.5.1 Fused Deposition Modeling (FDM) Market Estimates And Forecasts, 2018 - 2030 (USD Million)

5.6 Others

5.6.1 Others Market Estimates And Forecasts, 2018 - 2030 (USD Million)

CHAPTER 6 3D PRINTED SURGICAL MODELS MARKET: MARKET SEGMENT ANALYSIS

6.1 3D Printed Surgical Models: Market Market Share Analysis, 2021 & 2030

6.2 Polymer

6.2.1 Polymer Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.3 Metal

6.3.1 Metal Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.4 Plastics

6.4.1 Plastics Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.5 Others

6.5.1 Others Market Estimates And Forecasts, 2018 - 2030 (USD Million)

CHAPTER 7 3D PRINTED SURGICAL MODELS MARKET: REGIONAL ANALYSIS

7.1 3D Printed Surgical Models: Regional Market Share Analysis, 2021 & 2030

7.2 North America

7.2.1 North America 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.2.2 U.S.

7.2.2.1 U.S. 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.2.3 Canada

7.2.3.1 Canada 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.3 Europe

7.3.1 Europe 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.3.2 U.K.

7.3.2.1 U.K. 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.3.3 Germany

7.3.3.1 Germany 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.3.4 France

7.3.4.1 France 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.3.5 Italy

7.3.5.1 Italy 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.3.6 Spain

7.3.6.1 Spain 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.4 Asia Pacific

7.4.1 Asia Pacific 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.4.2 China

7.4.2.1 China 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.4.3 India

7.4.3.1 India 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.4.4 Japan

7.4.4.1 Japan 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.4.5 South Korea

7.4.5.1 South Korea 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.4.6 Australia

7.4.6.1 Australia 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.5 Latin America

7.5.1 Latin America 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.5.2 Brazil

7.5.2.1 Brazil 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.5.3 Mexico

7.5.3.1 Mexico 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.5.4 Argentina

7.5.4.1 Argentina 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.6 MEA

7.6.1 MEA 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.6.2 South Africa

7.6.2.1 South Africa 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.6.3 Saudi Arabia

7.6.3.1 Saudi Arabia 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

7.6.4 UAE

7.6.4.1 UAE 3d Printed Surgical Models Market, 2018 - 2030 (USD Million)

CHAPTER 8 COMPETITIVE LANDSCAPE

8.1 Company/Competition Categorization (Key Innovators, Market Leaders, Emerging Players)

8.1.1 Participant Categorization

8.1.1.1 Innovators

8.2 Vendor Landscape

8.2.1 List of Key Service Providers

8.2.1.1 Market Differentiators

8.3 Company Profiles

8.3.1 STRATASYS LTD.

8.3.1.1 Company overview

8.3.1.2 Financial performance

8.3.1.3 Product benchmarking

8.3.1.4 Strategic initiatives

8.3.2 3D SYSTEMS, INC.

8.3.2.1 Company overview

8.3.2.2 Financial performance

8.3.2.3 Product Benchmarking

8.3.2.4 Strategic initiatives

8.3.3 LAZARUS 3D, LLC

8.3.3.1 Company overview

8.3.3.2 Financial performance

8.3.3.3 Product benchmarking

8.3.3.4 Strategic initiatives

8.3.4 OSTEO3D

8.3.4.1 Company overview

8.3.4.2 Financial performance

8.3.4.3 Strategic initiatives

8.3.5 AXIAL3D

8.3.5.1 Company overview

8.3.5.2 Financial performance

8.3.5.3 Product benchmarking

8.3.5.4 Strategic initiatives

8.3.6 ONKOS SURGICAL

8.3.6.1 Company overview

8.3.6.2 Financial performance

8.3.6.3 Product benchmarking

8.3.6.4 Strategic initiatives

8.3.7 FORMLABS

- 8.3.7.1 Company overview
- 8.3.7.2 Financial performance
- 8.3.7.3 Product benchmarking
- 8.3.7.4 Strategic initiatives

8.3.8 MATERIALISE NV

- 8.3.8.1 Company overview
- 8.3.8.2 Financial performance
- 8.3.8.3 Product benchmarking
- 8.3.8.4 Strategic initiatives

8.3.9 3D LIFEPRINTS U.K. LTD.

- 8.3.9.1 Company overview
- 8.3.9.2 Financial performance
- 8.3.9.3 Product benchmarking
- 8.3.9.4 Strategic initiatives

8.3.10 3D LIFEPRINTS U.K. LTD.

- 8.3.10.1 Company overview
- 8.3.10.2 Financial performance
- 8.3.10.3 Product benchmarking
- 8.3.10.4 Strategic initiatives

List Of Tables

LIST OF TABLES

Table 1 List of secondary sources

Table 2 List of Abbreviations

Table 3 Strategic collaborations by key players

List Of Figures

LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Information procurement
- Fig. 3 Primary research pattern
- Fig. 4 Market research approaches
- Fig. 5 Value-chain-based sizing & forecasting
- Fig. 6 QFD modeling for market share assessment
- Fig. 7 Market formulation & validation
- Fig. 8 Commodity flow analysis
- Fig. 9 3D printed surgical models market snapshot (2021)
- Fig. 10 3D printed surgical models market segmentation
- Fig. 11 Market driver relevance analysis (Current & future impact)
- Fig. 12 Market restraint relevance analysis (Current & future impact)
- Fig. 13 Penetration & growth prospect mapping
- Fig. 14 Porter's five forces analysis
- Fig. 15 SWOT analysis, by factor (political & legal, economic and technological)
- Fig. 16 3D printed surgical models market specialty outlook: Segment dashboard
- Fig. 17 3D printed surgical models market: Specialty movement analysis
- Fig. 18 Cardiac Surgery/ Interventional cardiology market, 2018 - 2030 (USD Million)
- Fig. 19 Gastroenterology endoscopy of esophageal market, 2018 - 2030 (USD Million)
- Fig. 20 Neurosurgery market, 2018 - 2030 (USD Million)
- Fig. 21 Orthopedic surgery market, 2018 - 2030 (USD Million)
- Fig. 22 Reconstructive surgery market, 2018 - 2030 (USD Million)
- Fig. 23 Surgical oncology market, 2018 - 2030 (USD Million)
- Fig. 24 Transplant surgery market, 2018 - 2030 (USD Million)
- Fig. 25 3D printed surgical models market technology outlook: Segment dashboard
- Fig. 26 3D printed surgical models market: Technology movement analysis
- Fig. 27 Stereolithography (SLA) market, 2018 - 2030 (USD Million)
- Fig. 28 ColorJet printing (CJP) market, 2018 - 2030 (USD Million)
- Fig. 29 MultiJet/PolyJet printing market, 2018 - 2030 (USD Million)
- Fig. 30 Fused deposition modeling (FDM) market, 2018 - 2030 (USD Million)
- Fig. 31 Others market, 2018 - 2030 (USD Million)
- Fig. 32 3D printed surgical models market material outlook: Segment dashboard
- Fig. 33 3D printed surgical models market: Material movement analysis
- Fig. 34 Polymer market, 2018 - 2030 (USD Million)
- Fig. 35 Metal market, 2018 - 2030 (USD Million)

- Fig. 36 Plastics market, 2018 - 2030 (USD Million)
- Fig. 37 Others market, 2018 - 2030 (USD Million)
- Fig. 38 Regional market: Key takeaways
- Fig. 39 Regional outlook: 2021 & 2030
- Fig. 40 North America market, 2018 - 2030 (USD Million)
- Fig. 41 U.S. market, 2018 - 2030 (USD Million)
- Fig. 42 Canada market, 2018 - 2030 (USD Million)
- Fig. 43 Europe market, 2018 - 2030
- Fig. 44 U.K. market, 2018 - 2030 (USD Million)
- Fig. 45 Germany market, 2018 - 2030 (USD Million)
- Fig. 46 France market, 2018 - 2030 (USD Million)
- Fig. 47 Italy market, 2018 - 2030 (USD Million)
- Fig. 48 Spain market, 2018 - 2030 (USD Million)
- Fig. 49 Asia Pacific market, 2018 - 2030 (USD Million)
- Fig. 50 China market, 2018 - 2030 (USD Million)
- Fig. 51 Japan market, 2018 - 2030 (USD Million)
- Fig. 52 India market, 2018 - 2030 (USD Million)
- Fig. 53 South Korea market, 2018 - 2030 (USD Million)
- Fig. 54 Australia market, 2018 - 2030 (USD Million)
- Fig. 55 Latin America market, 2018 - 2030 (USD Million)
- Fig. 56 Brazil market, 2018 - 2030 (USD Million)
- Fig. 57 Mexico market, 2018 - 2030 (USD Million)
- Fig. 58 Argentina market, 2018 - 2030 (USD Million)
- Fig. 59 MEA market, 2018 - 2030 (USD Million)
- Fig. 60 South Africa market, 2018 - 2030 (USD Million)
- Fig. 61 Saudi Arabia market, 2018 - 2030 (USD Million)
- Fig. 62 UAE market, 2018 - 2030 (USD Million)

I would like to order

Product name: 3D Printed Surgical Models Market Size, Share & Trends Analysis Report By Specialty (Neurosurgery, Orthopedic Surgery), By Technology (SLA, CJP, FDM), By Material (Metals, Plastics), By Region, And Segment Forecasts, 2022 - 2030

Product link: <https://marketpublishers.com/r/3E7DA386BF26EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/3E7DA386BF26EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970