

Global 3D Printed Prosthetics Market Size study & Forecast, by Type (Sockets, Limbs, Joints, Others), by Material (Polyethylene, Polypropylene, Acrylics, Polyurethane), by End-use (Hospitals, Rehabilitation Centers, Prosthetic Clinics) and Regional Analysis, 2022-2029

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Abstracts

Global 3D Printed Prosthetics Market is valued at approximately USD 1.3 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 7.7% over the forecast period 2022-2029. 3D printed prosthetics are the usage of additive manufacturing technologies instead of traditional subtractive manufacturing methods for producing artificial body parts. 3D scanning and printing are implemented in a variety of medical applications, including creating prosthetic implants. The market growth is primarily driven by the factors such as the increasing number of accidental injuries and trauma cases, the rising introduction of 3D-printed prosthetic implants for orthopedic applications, coupled with the growing need for customized additive manufacturing.

The increasing expenditure on healthcare products and services is exhibiting a positive influence on the growth of the market. According to Statista, in 2019, the healthcare expenditure in Brazil was recorded at USD 182.38 billion and it is anticipated that the amount increases and reach USD 212.59 billion by the year 2028. Likewise, as per CMS.gov, in the United States, the national healthcare expenditure grew 9.7% to USD 4.1 trillion or USD 12,530 per person in 2020, which accounted for 19.7% of the Gross Domestic Product (GDP). Also, it is anticipated that the National health spending is likely to increase at an average annual rate of 5.4 percent for 2019-28 and is estimated to reach USD 6.2 trillion by 2028. Therefore, these aforementioned factors are acting as catalyzing factors for market growth globally. Moreover, the rising introduction of

innovative products, as well as the growing investment in R&D of 3d printing are presenting various lucrative opportunities over the forecasting years. However, the stringent regulatory policies and lack of awareness among people about the advanced technologies of prosthetic implants are challenging the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global 3D Printed Prosthetics Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America dominated the market in terms of revenue, owing to the surging demand for quality healthcare services, favorable government initiatives, and the rising incidence of sports injuries. Whereas, the Asia Pacific is also expected to grow with the highest CAGR during the forecast period, owing to factors such as rising investment in research & development, increasing number of accidental cases, and the presence of a large fraction of the population in the market space.

Major market players included in this report are:

3D Systems Corporation

EnvisionTEC

Stratasys Ltd.

Bionicohand

LimbForge, Inc.

Create Prosthetics

Bio3D Technologies

Laser GmbH

Prodways Group

3T RPD Ltd.

Recent Developments in the Market:

In 2022, Protosthetics- a 3D printed prosthetic manufacturer unveiled that the company launched its novel in-house 3D printing program. The product is specially designed for orthotics and prosthetics (O&P) practices.

Global 3D Printed Prosthetics Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Material, End-use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Sockets

Limbs

Joints

Others

By Material:

Polyethylene

Polypropylene

Acrylics

Polyurethane

By End-use:

Hospitals

Rehabilitation Centers

Prosthetic Clinics

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. 3D Printed Prosthetics Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. 3D Printed Prosthetics Market, by Type, 2019-2029 (USD Billion)
 - 1.2.3. 3D Printed Prosthetics Market, by Material, 2019-2029 (USD Billion)
 - 1.2.4. 3D Printed Prosthetics Market, by End-use, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL 3D PRINTED PROSTHETICS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL 3D PRINTED PROSTHETICS MARKET DYNAMICS

- 3.1. 3D Printed Prosthetics Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing expenditure on healthcare products and services
 - 3.1.1.2. Rising introduction of 3D-printed prosthetic implants for orthopedic applications
 - 3.1.2. Market Challenges
 - 3.1.2.1. Stringent regulatory policies
 - 3.1.2.2. Lack of awareness among people about the advanced technologies of prosthetic implants
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising introduction of innovative products
 - 3.1.3.2. Growing investment in R&D of 3d printing

CHAPTER 4. GLOBAL 3D PRINTED PROSTHETICS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL 3D PRINTED PROSTHETICS MARKET, BY TYPE

- 6.1. Market Snapshot
- 6.2. Global 3D Printed Prosthetics Market by Type, Performance - Potential Analysis
- 6.3. Global 3D Printed Prosthetics Market Estimates & Forecasts by Type 2019-2029 (USD Billion)
- 6.4. 3D Printed Prosthetics Market, Sub Segment Analysis
 - 6.4.1. Sockets
 - 6.4.2. Limbs
 - 6.4.3. Joints
 - 6.4.4. Others

CHAPTER 7. GLOBAL 3D PRINTED PROSTHETICS MARKET, BY MATERIAL

- 7.1. Market Snapshot
- 7.2. Global 3D Printed Prosthetics Market by Material, Performance - Potential Analysis
- 7.3. Global 3D Printed Prosthetics Market Estimates & Forecasts by Material 2019-2029 (USD Billion)
- 7.4. 3D Printed Prosthetics Market, Sub Segment Analysis
 - 7.4.1. Polyethylene
 - 7.4.2. Polypropylene
 - 7.4.3. Acrylics
 - 7.4.4. Polyurethane

CHAPTER 8. GLOBAL 3D PRINTED PROSTHETICS MARKET, BY END-USE

- 8.1. Market Snapshot
- 8.2. Global 3D Printed Prosthetics Market by End-use, Performance - Potential Analysis
- 8.3. Global 3D Printed Prosthetics Market Estimates & Forecasts by End-use 2019-2029 (USD Billion)
- 8.4. 3D Printed Prosthetics Market, Sub Segment Analysis
 - 8.4.1. Hospitals
 - 8.4.2. Rehabilitation Centers
 - 8.4.3. Prosthetic Clinics

CHAPTER 9. GLOBAL 3D PRINTED PROSTHETICS MARKET, REGIONAL ANALYSIS

- 9.1. 3D Printed Prosthetics Market, Regional Market Snapshot
- 9.2. North America 3D Printed Prosthetics Market
 - 9.2.1. U.S. 3D Printed Prosthetics Market
 - 9.2.1.1. Type breakdown estimates & forecasts, 2019-2029
 - 9.2.1.2. Material breakdown estimates & forecasts, 2019-2029
 - 9.2.1.3. End-use breakdown estimates & forecasts, 2019-2029
 - 9.2.2. Canada 3D Printed Prosthetics Market
- 9.3. Europe 3D Printed Prosthetics Market Snapshot
 - 9.3.1. U.K. 3D Printed Prosthetics Market
 - 9.3.2. Germany 3D Printed Prosthetics Market
 - 9.3.3. France 3D Printed Prosthetics Market
 - 9.3.4. Spain 3D Printed Prosthetics Market
 - 9.3.5. Italy 3D Printed Prosthetics Market
 - 9.3.6. Rest of Europe 3D Printed Prosthetics Market
- 9.4. Asia-Pacific 3D Printed Prosthetics Market Snapshot

- 9.4.1. China 3D Printed Prosthetics Market
- 9.4.2. India 3D Printed Prosthetics Market
- 9.4.3. Japan 3D Printed Prosthetics Market
- 9.4.4. Australia 3D Printed Prosthetics Market
- 9.4.5. South Korea 3D Printed Prosthetics Market
- 9.4.6. Rest of Asia Pacific 3D Printed Prosthetics Market
- 9.5. Latin America 3D Printed Prosthetics Market Snapshot
 - 9.5.1. Brazil 3D Printed Prosthetics Market
 - 9.5.2. Mexico 3D Printed Prosthetics Market
 - 9.5.3. Rest of Latin America 3D Printed Prosthetics Market
- 9.6. Rest of The World 3D Printed Prosthetics Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. 3D Systems Corporation
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. EnvisionTEC
 - 10.2.3. Stratasys Ltd.
 - 10.2.4. Bionicohand
 - 10.2.5. LimbForge, Inc.
 - 10.2.6. Create Prosthetics
 - 10.2.7. Bio3D Technologies
 - 10.2.8. Laser GmbH
 - 10.2.9. Prodways Group
 - 10.2.10. 3T RPD Ltd.

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation

- 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global 3D Printed Prosthetics Market, report scope

TABLE 2. Global 3D Printed Prosthetics Market estimates & forecasts by Region 2019-2029 (USD Billion)

TABLE 3. Global 3D Printed Prosthetics Market estimates & forecasts by Type 2019-2029 (USD Billion)

TABLE 4. Global 3D Printed Prosthetics Market estimates & forecasts by Material 2019-2029 (USD Billion)

TABLE 5. Global 3D Printed Prosthetics Market estimates & forecasts by End-use 2019-2029 (USD Billion)

TABLE 6. Global 3D Printed Prosthetics Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 7. Global 3D Printed Prosthetics Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 8. Global 3D Printed Prosthetics Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global 3D Printed Prosthetics Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global 3D Printed Prosthetics Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global 3D Printed Prosthetics Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global 3D Printed Prosthetics Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global 3D Printed Prosthetics Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. Global 3D Printed Prosthetics Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. Global 3D Printed Prosthetics Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 16. U.S. 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 17. U.S. 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 18. U.S. 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 19. Canada 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 20. Canada 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. Canada 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 23. UK 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. UK 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 26. Germany 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. Germany 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 29. France 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. France 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 32. Italy 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Italy 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 35. Spain 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. Spain 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 38. RoE 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. RoE 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 40. China 3D Printed Prosthetics Market estimates & forecasts, 2019-2029

(USD Billion)

TABLE 41. China 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 42. China 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 43. India 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD

Billion)

TABLE 44. India 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 45. India 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 46. Japan 3D Printed Prosthetics Market estimates & forecasts, 2019-2029

(USD Billion)

TABLE 47. Japan 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 48. Japan 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 49. South Korea 3D Printed Prosthetics Market estimates & forecasts,

2019-2029 (USD Billion)

TABLE 50. South Korea 3D Printed Prosthetics Market estimates & forecasts by

segment 2019-2029 (USD Billion)

TABLE 51. South Korea 3D Printed Prosthetics Market estimates & forecasts by

segment 2019-2029 (USD Billion)

TABLE 52. Australia 3D Printed Prosthetics Market estimates & forecasts, 2019-2029

(USD Billion)

TABLE 53. Australia 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 54. Australia 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 55. RoAPAC 3D Printed Prosthetics Market estimates & forecasts, 2019-2029

(USD Billion)

TABLE 56. RoAPAC 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 57. RoAPAC 3D Printed Prosthetics Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 58. Brazil 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 59. Brazil 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Brazil 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 62. Mexico 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. Mexico 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 65. RoLA 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. RoLA 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row 3D Printed Prosthetics Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 68. Row 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. Row 3D Printed Prosthetics Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global 3D Printed Prosthetics Market

TABLE 71. List of primary sources, used in the study of global 3D Printed Prosthetics Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global 3D Printed Prosthetics Market, research methodology
 - FIG 2. Global 3D Printed Prosthetics Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global 3D Printed Prosthetics Market, key trends 2021
 - FIG 5. Global 3D Printed Prosthetics Market, growth prospects 2022-2029
 - FIG 6. Global 3D Printed Prosthetics Market, porters 5 force model
 - FIG 7. Global 3D Printed Prosthetics Market, pest analysis
 - FIG 8. Global 3D Printed Prosthetics Market, value chain analysis
 - FIG 9. Global 3D Printed Prosthetics Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global 3D Printed Prosthetics Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global 3D Printed Prosthetics Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global 3D Printed Prosthetics Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global 3D Printed Prosthetics Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global 3D Printed Prosthetics Market, regional snapshot 2019 & 2029
 - FIG 15. North America 3D Printed Prosthetics Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe 3D Printed Prosthetics Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia pacific 3D Printed Prosthetics Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America 3D Printed Prosthetics Market 2019 & 2029 (USD Billion)
 - FIG 19. Global 3D Printed Prosthetics Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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