

Dental 3D Printing Materials Market by Type [Polymers (Resins, Thermoplastics), Composites, Metals, Ceramics (Zirconia, Alumina), Application (Dentures, Dental Trays, Crown Models)- Forecast to 2028

<https://marketpublishers.com/r/DC15C104D24CEN.html>

Date: September 2021

Pages: 142

Price: US\$ 4,175.00 (Single User License)

ID: DC15C104D24CEN

Abstracts

Dental 3D Printing Materials Market by Type [Polymers (Resins, Thermoplastics), Composites, Metals, Ceramics (Zirconia, Alumina), Application (Dentures, Dental Trays, Crown Models) - Forecast to 2028

The global dental 3D printing materials market is expected to grow at a CAGR of ~22.4% from 2021 to 2028 to reach ~\$2.6 billion by 2028.

Following an extensive secondary and primary research and in-depth analysis of the market scenario, the report carries out the key industry drivers, challenges, opportunities, and trends. The growth in the dental 3D printing materials market is mainly attributed to the high prevalence of dental diseases like edentulism, increasing demand for cosmetic dentistry, growth in the geriatric population, and technological advancements in dental 3D printing. The advancements in the resins used for dental 3D printing and increasing awareness and acceptance of the computer-aided design/computer-aided manufacturing (CAD/CAM) technologies offer lucrative opportunities for market growth. However, the reluctance to adopt digital dentistry and the biocompatibility of 3D printing materials are the major challenges for the growth of the dental 3D printing materials market.

Based on material type, the dental polymers segment is expected to account for the largest share of the dental 3D printing materials market in 2021. The dental polymers' ability to adapt to any environment, bio-compatibility, stability in oral condition, low cost, and advancements within the fields of engineering and nanotechnology are supporting

the growth of the segment.

Based on type of dental 3D printing polymers, the dental 3D printing polymer resins segment is expected to account for the largest share of the dental 3D printing polymers market in 2021. Factors such as improvements in resin materials such as the development of new monomers, filler technologies, self-healing capacity, growing research to reduce the polymerization shrinkage, enhanced quality of the resins, and the development of nano?ll composites are responsible for the growth of this segment.

Based on the type of dental 3D printing ceramics, the dental 3D printing zirconia segment is expected to grow at the highest CAGR during the forecast period. The nature of zirconia ceramics to be chemically non-reactive, biocompatibility with the tissues in the oral cavity, ease of machining in the pre-sintering stage in 3D printing, and resemblance to natural-looking tooth enamel are the factors contributing to the growth of the segment.

An in-depth analysis of the geographical scenario of the dental 3D printing materials market provides detailed qualitative and quantitative insights about the five major geographies (North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa) along with the coverage of major countries in each region. Europe is expected to account for the largest share of the dental 3D printing materials market in 2021, followed by North America, Asia-Pacific, Latin America, and the Middle East & Africa.

The key players operating in the global dental 3D printing materials market are 3D Systems Corporation (U.S.), EnvisionTEC (U.S.), DWS S.r.l. (Italy), Keystone Industries (U.S.), VOCO GmbH (U.S.), DMG Chemisch-Pharmazeutische Fabrik GmbH (Germany), Stratasys Ltd. (Israel), Prodoways Tech (France), Formlabs Inc. (U.S.), DENTSPLY SIRONA Inc. (U.S.), 3M Company (U.S.), Den-Mat Holdings, LLC (U.S.), Shandong Huge Dental Materials Co., Ltd. (China), Ultradent Products, Inc. (U.S.), and Straumann Holding AG (Switzerland) among others.

Scope of the Report:

Dental 3D Printing Materials Market, by Type

Dental Polymers

Resins

Thermoplastics

Other Polymers

Dental Ceramics

Zirconia

Alumina

Other Ceramics

Composites

Metals

Other polymers comprise polymer hydrogels, impression materials like the irreversible hydrocolloids, namely alginate, polysulfides, silicone rubbers.

Other ceramics comprise calcium phosphate salts, glass ceramics, oxides of magnesium and titanium, leucite-reinforced glass ceramics, lithium silicate ceramics, and silicates

Dental 3D Printing Materials Market, by Application

Dentures

Crown Models

Orthodontic Splints

Dental 3D Printing Materials Market, by Geography

North America

U.S.

Canada

Europe

Germany

Italy

Spain

France

U.K.

Rest of Europe (RoE)

Asia-Pacific (APAC)

Japan

China

India

Rest of APAC (RoAPAC)

Latin America

Middle East & Africa

Contents

1. INTRODUCTION

- 1.1. Market Definition
- 1.2. Market Ecosystem
- 1.3. Currency
- 1.4. Key Stakeholders

2. RESEARCH METHODOLOGY

- 2.1. Research Process
- 2.2. Data Collection & Validation
 - 2.2.1. Secondary Research
 - 2.2.2. Primary Research
- 2.3. Market Assessment
 - 2.3.1. Market Size Estimation
 - 2.3.1.1. Bottom-Up Approach
 - 2.3.1.2. Top-Down Approach
 - 2.3.1.3. Growth Forecast
 - 2.3.2. Market Share Analysis
- 2.4. Assumptions For This Study
- 2.5. Limitations For The Study

3. EXECUTIVE SUMMARY

4. MARKET INSIGHTS

- 4.1. Introduction
- 4.2. Drivers
 - 4.2.1. High Prevalence Of Dental Diseases
 - 4.2.2. Rising Demand For Cosmetic Dentistry
 - 4.2.3. Rising Geriatric Population
 - 4.2.4. Technological Advancements In 3D Printing
- 4.3. Challenges
 - 4.3.1. Hesitancy For The Adoption Of Digital Dentistry
 - 4.3.2. Biocompatibility Of Dental Materials
- 4.4. Opportunities
 - 4.4.1. Advancements In Resins Used For Dental 3D Printing

- 4.4.2. Increasing Awareness And Acceptance Of Cad/Cam Technology
- 4.5. Trends
 - 4.5.1. Consolidation Among Private Players
- 4.6. Impact Of Covid-19 Pandemic

5. GLOBAL DENTAL 3D PRINTING MATERIALS MARKET, BY TYPE

- 5.1. Introduction
- 5.2. Dental Polymers
 - 5.2.1. Resins
 - 5.2.2. Thermoplastics
 - 5.2.3. Other Dental Polymers
- 5.3. Composites
- 5.4. Metals
- 5.5. Ceramics
 - 5.5.1. Zirconia
 - 5.5.2. Alumina
 - 5.5.3. Other Ceramics

6. DENTAL 3D PRINTING MATERIALS MARKET, BY APPLICATION

- 6.1. Crown And Bridge Models
- 6.2. Dentures
- 6.3. Orthodontic Splints
- 6.4. Others

7. DENTAL 3D PRINTING MATERIALS MARKET, BY GEOGRAPHY

- 7.1. Introduction
- 7.2. North America
 - 7.2.1. U.S.
 - 7.2.2. Canada
- 7.3. Europe
 - 7.3.1. Germany
 - 7.3.2. Italy
 - 7.3.3. Spain
 - 7.3.4. France
 - 7.3.5. U.K.
 - 7.3.6. Rest Of Europe (Roe)

7.4. Asia-Pacific

7.4.1. Japan

7.4.2. China

7.4.3. India

7.4.4. Rest Of Asia-Pacific (Roapac)

7.5. Latin America

7.6. Middle East & Africa

8. COMPETITIVE LANDSCAPE

8.1. Introduction

8.2. Key Growth Strategies

8.3. Competitive Benchmarking

9. COMPANY PROFILES- DENTAL 3D PRINTING MATERIALS MARKET

9.1. 3D Systems Corporation

9.1.1. Business Overview

9.1.2. Financial Overview

9.1.3. Product Portfolio

9.1.4. Strategic Developments

9.2. Envisiontec (A Part Of Desktop Metal, Inc.)

9.2.1. Business Overview

9.2.2. Product Portfolio

9.2.3. Strategic Developments

9.3. Dws S.R.L.

9.3.1. Business Overview

9.3.2. Product Portfolio

9.4. Keystone Industries

9.4.1. Business Overview

9.4.2. Product Portfolio

9.5. Voco Gmbh

9.5.1. Business Overview

9.5.2. Product Portfolio

9.6. Dmg Chemisch-Pharmazeutische Fabrik Gmbh

9.6.1. Business Overview

9.6.2. Product Portfolio

9.6.3. Strategic Developments

9.7. Stratasys Ltd.

- 9.7.1. Business Overview
- 9.7.2. Financial Overview
- 9.7.3. Product Portfolio
- 9.8. Prodways Tech
 - 9.8.1. Business Overview
 - 9.8.2. Financial Overview
 - 9.8.3. Product Portfolio
 - 9.8.4. Strategic Developments
- 9.9. Formlabs, Inc.
 - 9.9.1. Business Overview
 - 9.9.2. Product Portfolio
 - 9.9.3. Strategic Developments
- 9.10. Dentsply Sirona, Inc.
 - 9.10.1. Business Overview
 - 9.10.2. Financial Overview
 - 9.10.3. Product Portfolio
 - 9.10.4. Strategic Developments
- 9.11. Straumann Holding Ag
 - 9.11.1. Business Overview
 - 9.11.2. Financial Overview
 - 9.11.3. Product Portfolio
 - 9.11.4. Strategic Developments
- 9.12. 3M Company
 - 9.12.1. Business Overview
 - 9.12.2. Financial Overview
 - 9.12.3. Product Portfolio
 - 9.12.4. Strategic Developments
- 9.13. Den-Mat Holdings, Llc
 - 9.13.1. Business Overview
 - 9.13.2. Product Portfolio
 - 9.13.3. Strategic Developments
- 9.14. Shandong Huge Dental Materials Co., Ltd.
 - 9.14.1. Business Overview
 - 9.14.2. Product Portfolio
- 9.15. Ultradent Products, Inc.
 - 9.15.1. Business Overview
 - 9.15.2. Product Portfolio
 - 9.15.3. Strategic Developments

10. APPENDIX

10.1. Questionnaire

10.2. Available Customization

List Of Tables

LIST OF TABLES

- Table 1 Global Dental 3D Printing Materials Market Drivers: Impact Analysis (2021–2028)
- Table 2 Technologies Based On The Biomaterials Utilized For Dentistry
- Table 3 Launch Of Resins For Dental 3D Printing
- Table 4 Impact Assessment Of Covid-19 On Dental 3D Printing Materials Industry (As Of July 2020)
- Table 5 Global Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)
- Table 6 Key Companies Offering Dental 3D Printing Polymers
- Table 7 Global Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)
- Table 8 Dental 3D Printing Polymers Market Size, By Country/Region, 2019–2028 (Usd Million)
- Table 9 Dental 3D Printing Polymer Resins Market Size, By Country/Region, 2019–2028 (Usd Million)
- Table 10 Dental 3D Printing Thermoplastic Polymers Market Size, By Country/Region, 2019–2028 (Usd Million)
- Table 11 Other Dental 3D Printing Polymers Market Size, By Country/Region, 2019–2028 (Usd Million)
- Table 12 Key Companies Offering Dental 3D Printing Composites
- Table 13 Dental 3D Printing Composites Market Size, By Country/Region, 2019–2028 (Usd Million)
- Table 14 Key Companies Offering Dental 3D Printing Metals
- Table 15 Dental 3D Printing Metals Market Size, By Country/Region, 2019–2028 (Usd Million)
- Table 16 Key Companies Offering Dental 3D Printing Ceramics
- Table 17 Global Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)
- Table 18 Dental 3D Printing Ceramics Market Size, By Country/Region, 2019–2028 (Usd Million)
- Table 19 Dental 3D Printing Zirconia Market Size, By Country/Region, 2019–2028 (Usd Million)
- Table 20 Alumina-Based Ceramics: Features & Applications
- Table 21 Dental 3D Printing Alumina Market Size, By Country/Region, 2019–2028 (Usd Million)

Table 22 Other Dental 3D Printing Ceramics Market Size, By Country/Region, 2019–2028 (Usd Million)

Table 23 Global Dental 3D Printing Materials Market Size, By Country/Region, 2019–2028 (Usd Million)

Table 24 Global Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 25 Global Dental 3D Printing Materials Market Size For Crown And Bridge Models, By Country/Region, 2019–2028 (Usd Million)

Table 26 Global Dental 3D Printing Materials Market Size For Dentures, By Country/Region, 2019–2028 (Usd Million)

Table 27 Global Dental 3D Printing Materials Market Size For Orthodontic Splints, By Country/Region, 2019–2028 (Usd Million)

Table 28 Global Dental 3D Printing Materials Market Size For Other Applications, By Country/Region, 2019–2028 (Usd Million)

Table 29 North America: Dental 3D Printing Materials Market Size, By Country, 2019–2028 (Usd Million)

Table 30 North America: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 31 North America: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 32 North America: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 33 North America: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 34 U.S.: Health Expenditures For Dental Services (2016–2019)

Table 35 U.S.: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 36 U.S.: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 37 U.S.: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 38 U.S.: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 39 Canada: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 40 Canada: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 41 Canada: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 42 Canada: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 43 Europe: Dental 3D Printing Materials Market Size, By Country/Region, 2019–2028 (Usd Million)

Table 44 Europe: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 45 Europe: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 46 Europe: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 47 Europe: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 48 Germany: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 49 Germany: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 50 Germany: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 51 Germany: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 52 Italy: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 53 Italy: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 54 Italy: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 55 Italy: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 56 Spain Dental Prices In Comparison To U.S.

Table 57 Spain Dental Prices In Comparison To U.K.

Table 58 Spain: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 59 Spain: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 60 Spain: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 61 Spain: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 62 France: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Million)

Table 63 France: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 64 France: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 65 France: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 66 U.K.: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 67 U.K.: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 68 U.K.: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 69 U.K.: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 70 Geriatric Population In European Countries (2020 Vs 2030)

Table 71 Roe: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 72 Roe: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 73 Roe: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 74 Roe: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 75 Asia-Pacific: Dental 3D Printing Materials Market Size, By Country/Region, 2019–2028 (Usd Million)

Table 76 Asia-Pacific: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 77 Asia-Pacific: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 78 Asia-Pacific: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 79 Asia-Pacific: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 80 Japan: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 81 Japan: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 82 Japan: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd

Million)

Table 83 Japan: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 84 China: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 85 China: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 86 China: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 87 China: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 88 India: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 89 India: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 90 India: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 91 India: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 92 Roapac: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 93 Roapac: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 94 Roapac: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 95 Roapac: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 96 Cost Comparison Of Dental Procedures: U.S. Vs Latin American Countries

Table 98 Latin America: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 99 Latin America: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 100 Latin America: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 101 Cost Comparison Of Dental Procedures: U.K. Vs Turkey

Table 102 Latin America: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

Table 103 Middle East & Africa: Dental 3D Printing Materials Market Size, By Type, 2019–2028 (Usd Million)

Table 104 Middle East & Africa: Dental 3D Printing Polymers Market Size, By Type, 2019–2028 (Usd Million)

Table 105 Middle East & Africa: Dental 3D Printing Ceramics Market Size, By Type, 2019–2028 (Usd Million)

Table 106 Middle East & Africa: Dental 3D Printing Materials Market Size, By Application, 2019–2028 (Usd Million)

List Of Figures

LIST OF FIGURES

- Figure 1 Research Process
- Figure 2 Key Secondary Sources
- Figure 3 Primary Research Techniques
- Figure 4 Key Executives Interviewed
- Figure 5 Breakdown Of Primary Interviews (Supply-Side & Demand-Side)
- Figure 6 Market Size Estimation
- Figure 7 Global Dental 3D Printing Materials Market Size, By Type, 2021 Vs. 2028 (Usd Million)
- Figure 8 Dental 3D Printing Materials Market, By Region
- Figure 9 Market Dynamics
- Figure 10 Periodontal Disease Prevalence, By Country, 2020
- Figure 11 Population Aged 65 Years Or Over, By Region: 2020 Vs 2030
- Figure 12 Population Aged 65 Years And Above, By Country (% Of Total Population)
- Figure 13 Global Dental 3D Printing Materials Market Size, By Type, 2021–2028 (Usd Million)
- Figure 14 Competitive Benchmarking : Dental 3D Printing Materials, By Type
- Figure 15 Global Dental 3D Printing Materials Market Size, By Region, 2021–2028 (Usd Million)
- Figure 16 North America: Dental 3D Printing Materials Market Snapshot
- Figure 17 Penetration Of Digital Technologies For Dental Labs In U.S. (2015 Vs 2019)
- Figure 18 Canada: Dental Health Expenditure (2015–2019)
- Figure 19 Europe: Dental 3D Printing Materials Market Snapshot
- Figure 20 U.K.: Percentage Of Adults With No Natural Teeth (2018)
- Figure 21 Asia-Pacific: Dental 3D Printing Materials Market Snapshot
- Figure 22 Japan: Population Ages 65 And Above (% Of Total Population) 2018–2020
- Figure 23 Roapac: Geriatric Population (2020 Vs 2030)
- Figure 24 Key Growth Strategies Adopted By Leading Players, 2018–2021
- Figure 25 Dental 3D Printing Materials Market: Competitive Benchmarking, By Product
- Figure 26 3D Systems Corporation: Financial Overview (2020)
- Figure 27 Stratasys Ltd.: Financial Overview (2020)
- Figure 28 Prodways Group: Financial Overview (2020)
- Figure 29 Dentsply Sirona, Inc.: Financial Overview (2020)
- Figure 30 Straumann Holding Ag.: Financial Overview (2020)
- Figure 31 3M Company: Financial Overview (2020)

I would like to order

Product name: Dental 3D Printing Materials Market by Type [Polymers (Resins, Thermoplastics), Composites, Metals, Ceramics (Zirconia, Alumina), Application (Dentures, Dental Trays, Crown Models)- Forecast to 2028

Product link: <https://marketpublishers.com/r/DC15C104D24CEN.html>

Price: US\$ 4,175.00 (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/DC15C104D24CEN.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