

Global Dental 3D Printing Market - Analysis of Market Size, Share & Trends for 2019 – 2020 and Forecast to 2027

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Abstracts

The global dental 3D printing market is expected to grow at a CAGR of 29.5% from 2020 to reach USD 7.8 billion by 2027. The growth is primarily attributed to rising incidence of dental caries & related dental problems, growing demand for cosmetic dentistry, rapidly growing geriatric population and high adoption of dental 3D printing in hospitals and clinics. However, financial constraints in small to medium sized laboratories pose significant challenge to the growth of dental 3D printing market.

By Product: Services segment dominated the dental 3D printing market. Services segment accounted for the largest share of dental 3D printing market. The largest share of this segment is mainly due to competitive pricing offered by dental 3D printing service providers, large scale outsourcing of dental product design and increased production by hospitals, clinics and laboratories.

By Technology: Fused deposition modelling to grow at highest CAGR. On the basis of technology, dental 3D printing market is segmented into VAT photopolymerization, fused deposition modelling, selective laser sintering, PolyJet printing and other technologies. Fused deposition modelling segment accounted for highest CAGR in the forecast period. The growth of this segment is mainly led by low machine & material cost, ability to use several materials simultaneously and availability of wide range of thermoplastics.

By Application, Prosthodontics accounted for the largest market share. Dental 3D printing market is segmented into prosthodontics, implantology and orthodontics on the basis of application. Prosthodontics accounted for highest market share in the dental 3D printing market. The largest market of this segment can be

attributed to rising prevalence of dental caries, increasing demand for advanced dental technologies and growing demand for crowns and bridges.

By End User: Dental laboratories segment growing at highest rate

Based on the end user segregation, dental laboratories segment is projected to account for highest CAGR in dental 3D printing market. The growth of this market segment can be explained by increasing adoption of advanced dental technology and consolidation of dental laboratories.

By Region: APAC is the fastest growing regional market while North America maintains lead

In 2020, North America accounted for the largest share of dental 3D printing market. The largest share of this regional segment is mainly due to growing incidence of dental caries and tooth loss, increasing demand for cosmetic dentistry and increasing geriatric population. APAC showed spike in growth due to low cost of operation in these countries and foreign investment policies.

Competitive Scenario

Stratasys Ltd. (US)
3D Systems Inc. (US)
EnvisionTEC (Germany)
DWS Systems SRL (Italy)
Renishaw (UK)
Formlabs (US)
Prodways Group (France)
SLM Solutions Group AG (Germany)
Carbon Inc. (US)
Concept Laser (Germany)
EOS GmbH Electro Optical Systems (Germany)
Rapid Shape (Germany)
Asiga (Australia)
Roland DG (Japan)
DENTSPLY Sirona Inc. (US)
SprintRay (US)
Zortrax (Poland)
Detax GmbH (Germany)
DMG America (US)
3Dresyns (Spain)
VOCO GmbH (Germany)

Dental Solutions Israel (Israel)
TRUMPF (Germany)
3BFab (Turkey)
and Keystone Industries (US).

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