

Global 3D Printing Medical Devices Market 2022-2028

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Abstracts

3D printing is an additive manufacturing technique that creates three-dimensional objects by building successive layers of raw material such as metals, plastics, and ceramics. Nowadays, the 3D printing technology represents a big opportunity to help medical companies to create more specific devices, enabling a rapid production of medical implants, and changing the way that doctors and surgeons plan procedures. According to latest analysis by Gen Consulting Company, the global 3d printing medical devices market was USD 1,897 million in 2021 and is expected to reach USD 4,955 million in 2028 and register a CAGR of 14.7% during the forecast period, 2022-2028.

The report provides in-depth analysis and insights regarding the current global market scenario, latest trends and drivers into global 3d printing medical devices market. It offers an exclusive insight into various details such as market size, key trends, competitive landscape, growth rate and market segments. This study also provides an analysis of the impact of the COVID-19 crisis on the 3d printing medical devices industry.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the component, technology, application, end user, and region. The global market for 3d printing medical devices can be segmented by component: 3D bioprinter, 3D printer, materials, software and services. The materials segment was the largest contributor to the global 3d printing medical devices market in 2021. 3d printing medical devices market is further segmented by technology: direct metal laser sintering (DMLS), droplet deposition, electron beam melting (EBM), LaserCusing, photopolymerization, selective laser melting (SLM), selective laser sintering (SLS). Based on application, the 3d printing medical devices market is segmented into: custom prosthetics & implants, hearing aids, standard prosthetic & implants, surgical guides, surgical instruments, tissue-engineered products, wearable medical devices, others. On the basis of end user, the 3d printing medical devices market also can be divided into:

hospitals & clinics, pharmaceutical & medical device companies, research institutes & centers, others. 3d printing medical devices market by region is categorized into: Asia Pacific, Europe, North America, Rest of the World (RoW).

By component:

3D bioprinter

3D printer

materials

software and services

By technology:

direct metal laser sintering (DMLS)

droplet deposition

electron beam melting (EBM)

LaserCusing

photopolymerization

selective laser melting (SLM)

selective laser sintering (SLS)

By application:

custom prosthetics & implants

hearing aids

standard prosthetic & implants

surgical guides

surgical instruments

tissue-engineered products

wearable medical devices

others

By end user:

hospitals & clinics

pharmaceutical & medical device companies

research institutes & centers

others

By region:

Asia Pacific

Europe

North America

Rest of the World (RoW)

The materials market is further segmented into plastics materials, metal and metal alloys, biomaterials, wax, others. Among these, plastics materials segment occupied the largest market share in 2021. However, the biomaterials segment is expected to display the highest CAGR during the forecast period. Furthermore, the custom prosthetics & implants market has been categorized into craniomaxillofacial implants, dental

prosthetics & implants, orthopedic implants. The orthopedic implants segment held the largest share of the global 3d printing medical devices market in 2021 and is anticipated to hold its share during the forecast period. The surgical guides market is further divided into dental guides, orthopedic guides, craniomaxillofacial guides, spinal guides.

The report explores the recent developments and profiles of key vendors in the Global 3D Printing Medical Devices Market, including 3D Systems Corporation, BEAMIT S.p.A. (3T RPD Ltd.), Carbon, Inc., CELLINK AB, Concept Laser GmbH (GE Additive), Desktop Metal, Inc., DWS S.r.l., EnvisionTEC, Inc., EOS GmbH Electro Optical Systems, Formlabs, Inc., Materialise NV, Organovo Holdings, Inc., Prodways Group SA, Renishaw plc, Roland DG Corporation, SLM Solutions Group AG, Stratasys, Ltd., among others.

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Historical & Forecast Period

This research report provides analysis for each segment from 2018 to 2028 considering 2021 to be the base year.

Scope of the Report

To analyze and forecast the market size of the global 3d printing medical devices market.

To classify and forecast the global 3d printing medical devices market based on component, technology, application, end user, region.

To identify drivers and challenges for the global 3d printing medical devices market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global 3d printing medical devices market.

To identify and analyze the profile of leading players operating in the global 3d printing medical devices market.

Why Choose This Report

Gain a reliable outlook of the global 3d printing medical devices market forecasts from 2022 to 2028 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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3D bioprinter
3D printer
Materials
Software and services

PART 6. MARKET BREAKDOWN BY TECHNOLOGY

Direct metal laser sintering (DMLS)
Droplet deposition
Electron beam melting (EBM)
LaserCusing
Photopolymerization
Selective laser melting (SLM)
Selective laser sintering (SLS)

PART 7. MARKET BREAKDOWN BY APPLICATION

Custom prosthetics & implants
Hearing aids
Standard prosthetic & implants
Surgical guides
Surgical instruments
Tissue-engineered products
Wearable medical devices
Others

PART 8. MARKET BREAKDOWN BY END USER

Hospitals & clinics
Pharmaceutical & medical device companies
Research institutes & centers
Others

PART 9. MARKET BREAKDOWN BY REGION

Asia Pacific
Europe
North America
Rest of the World (RoW)

PART 10. KEY COMPANIES

3D Systems Corporation
BEAMIT S.p.A. (3T RPD Ltd.)
Carbon, Inc.
CELLINK AB
Concept Laser GmbH (GE Additive)
Desktop Metal, Inc.
DWS S.r.l.
EnvisionTEC, Inc.
EOS GmbH Electro Optical Systems
Formlabs, Inc.
Materialise NV
Organovo Holdings, Inc.

Prodways Group SA

Renishaw plc

Roland DG Corporation

SLM Solutions Group AG

Stratasys, Ltd.

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