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Global Healthcare 3D Printing Market Size study & Forecast, by Raw Materials (Ceramics, Metals, Polymers, Biological Cells) by Application (Surgical Guides, Implants, Surgical Instruments, Bioengineering), by Technology (Electron Beam Melting, Laser Beam Melting, Photopolymerization, Droplet Deposition) and Regional Analysis, 2022-2029

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Abstracts

Global Healthcare 3D Printing Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. 3D printing is also known as additive manufacturing, which is a technology for creating three-dimensional solid objects in the healthcare sector. 3D printed objects are produced through additive methods in which an object is produced by adding layers of material one after another until the product is made. The successive layers are placed over one another to make a 3D-printed object. The use of 3D printing has advanced from prototyping in a variety of applications to the creation of functional components and goods. Factors such as the rising focus on the advancement of healthcare facilities, the increasing geriatric population, and surging demand for personalization and customization of medical products are attributing to the growth of the market.

The rising incidences of various disorders such as cardiovascular, orthopedic, and others are propelling the demand for 3D printing. 3D printing plays a vital role in enhancing data visualization during diagnosis, treatment planning, and surgical procedures for cardiology. According to the World Health Organization (WHO) report 2021, it was estimated that over 17.9 million fatalities in 2019 were caused by cardiovascular diseases, accounting for nearly 32% of all deaths worldwide.

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Additionally, according to the National Library of Medicine, India has the highest global burden of cardiovascular disease (CVD). It is projected that approximately 4.77 million CVD-related fatalities in India during 2020, which is an increase from 2.26 million in 1990. Hence, the increasing incidences of cardiovascular illness are accelerating the growth of the market. Moreover, the rising technological developments, as well as the heavy investments in R&D activities are presenting various lucrative opportunities over the forecasting years. However, the high cost associated with 3D printing and the lack of skilled labor is hampering the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Healthcare 3D Printing 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 growing investments for R&D facilities, development of 3D printing-based products, and rising awareness among patients. Whereas, the Asia Pacific is also expected to grow with the highest CAGR during the forecast period, owing to factors such as the rising focus on the advancement of healthcare infrastructure, and increasing demand for customized medical equipment in the market space.

Major market players included in this report are:
Envision TEC
Stratasys Inc.
Materialise NV
3D Systems Software
Bio-Rad Laboratories
Simbionix
RegenHU Ltd.
Bio3D Technologies Pte Ltd.
3D Matters Pte Ltd.
3D Systems Corporation (3DS)

Recent Developments in the Market:
In October 2021, Henkel announced the introduction of its new class of 3D Printing resins for healthcare applications under its leading Loctite brand.3D Printing resins for healthcare applications. The broad portfolio of high-performance photopolymers delivers a variety of biocompatibility standards from safe-to-touch parts to medical devices.

Global Healthcare 3D Printing Market Report Scope:
Historical Data 2019-2020-2021

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Base Year for Estimation 2021
Forecast period 2022-2029
Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends
Segments Covered Raw Materials, Application, Technology, 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 to 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 Raw Materials:
Ceramics
Metals
Polymers
Biological Cells
By Application:
Surgical Guides
Implants
Surgical Instruments
Bioengineering
By Technology:
Electron Beam Melting
Laser Beam Melting
Photopolymerization
Droplet Deposition
By Region:
North America
U.S.
Canada

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India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
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Rest of the World

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