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2021 Healthcare 3D Printing Market - Size, Share, COVID Impact Analysis and Forecast to 2027

https://marketpublishers.com/r/206C8F816AEBEN.html
Date: March 2021
Pages: 107
Price: US$ 4,580.00 (Single User License)
ID: 206C8F816AEBEN

Abstracts

3D printing is a quick design tools to develop unique prototypes. An increasing drive towards use of biocompatible and drug contact materials is being observed in the industry.

Technological advancements are driving transformation in the medical devices industry, in particular, orthopedics, dental, hearing implants, tissue engineering and other applications.

The global 3D printing for healthcare markets is largely driven by ability of personalized medical solutions, development of dental and hearing implants, prosthetics for tissues and other applications. The use of 3D printing in healthcare segment will record 20.67% growth over the forecast period.

Major Trends, Drivers and Challenges -

Development of 3D structure of complex organs such as liver, heart and others are witnessing rapid growth.

Increasing global healthcare spending - Global healthcare spending is increasing across the world both out-of-pocket and publicly funded with global spending on health estimated at $9.4 trillion in 2020 as compared to $7.8 trillion in 2017. The spending is forecast to increase at rates faster than GDP driven by universal health care programs, strengthening public health care systems, aging and growing population, market expansion, technology advances, and increase in labor costs.

Emerging Bioprinting Technology - The worldwide demand for the organ replacement or

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tissue regeneration is encouraging robust demand for bioprinting and bio-inks. 3D Bioprinting uses cells and other biocompatible materials to print organs or tissue structures layer-by-layer which mimic the behaviour of natural living systems.

Risks in manufacturing functional organs - Printing fully functional organs made from human cells is one of the technical challenges in healthcare printing market. Fully functional organs comprise of structurally complex network of cells, tissues or blood vessels.

Stereolithography, also referred to as SLA 3D printing is one of the wide spread technologies in additive manufacturing. It uses high power laser beam on a free surface of photosensitive liquid that is contained in a reservoir to create the desired 3D shape.

Fused Deposition Modeling (FDM) is the basic and widely used 3D printing technology worldwide. The technology is largely used to make prototypes, using thermoplastic filaments.

Segmentation:

Global Healthcare 3D Printing market, By Technology

Photopolymerization (SLA&DLP)

Deposition Modeling

Electron Beam Melting

Laser Sintering

Jetting Technology

Other

Global Healthcare 3D Printing market, By Application

Medical Models

Prosthetics & Implants

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Wearable Devices

Tissue Engineering

Others

Global Healthcare 3D Printing market, By Material

Metal and Alloy

Polymer

Ceramics

Other Materials

Global Healthcare 3D Printing market, By Geography

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Russia, Rest of Europe)

Asia-Pacific (China, India, Japan, South Korea, Australia, Rest of APAC)

Middle East and Africa (Saudi Arabia, South Africa, Rest of MEA)

South and Central America (Brazil, Argentina, Chile, Rest of SCA)

Report Scope-

The report- ‘2021 Healthcare 3D Printing Market - Size, Share, COVID Impact Analysis and Forecast to 2027’ presents growth projections in the Healthcare 3D Printing Market between 2021 and 2027 for companies operating across different types, applications, and end-user verticals.

Short-term and long-term trends affecting the market landscape are included in the research. Further, market drivers, restraints, and potential opportunities are also provided in the report.

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The Healthcare 3D Printing Market report computes the 2020 market value in revenue terms based on the average Healthcare 3D Printing prices and sales/revenue models of key companies operating in the Healthcare 3D Printing Industry. The study forecasts the market size to 2027 for different types of Healthcare 3D Printing and provides respective market share and growth rates.

The study discusses technological innovations and the potential shift in demand among various products in the Healthcare 3D Printing Market, over the forecast period. The leading five companies in the Healthcare 3D Printing Industry together with their products, key strategies, and comparisons are provided.

The Healthcare 3D Printing Market size, share, and outlook across different types and applications are provided at geographic levels of North America, Asia Pacific, Europe, Middle East Africa, South and Central America. Further, country-level Healthcare 3D Printing Market value is also provided.

All recent developments in Healthcare 3D Printing Industry including mergers, acquisitions, contract awards, licenses, product launches, and expansion plans are included in the report.

Base Year- 2020; Forecast period: 2021- 2027

Publication frequency- Every six months

Research Methodology- Data triangulation with top-down and Bottom-up approach are used for market size

Scope of the Report -

Global Healthcare 3D Printing Industry size, 2020- 2027

Market trends, drivers, restraints, and opportunities

Porter’s Five forces analysis

Types of Healthcare 3D Printing , 2020-2027

Healthcare 3D Printing applications and end-user verticals market size, 2020-

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2027

Healthcare 3D Printing Market size across countries, 2020- 2027

5 leading companies in the industry- overview, key strategies, financials, and products

Latest market news and developments

Additional support -

All the data presented in tables and charts of the report is provided in a separate Excel document

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