

# 3D Bioprinting Global Market Grows At Rate Of 21%

*The Business Research Company's 3D Bioprinting Global Market Report 2021: COVID-19 Implications And Growth*

LONDON, GREATER LONDON, UK,  
October 6, 2021 /EINPresswire.com/ --

According to the new market research report '3D Bioprinting Global Market Report 2021: COVID-19 Implications And Growth' published by The Business

Research Company, the [3D bioprinting market](#) is expected to grow from \$771.41 million in 2020 to \$933.91 million in 2021 at a compound annual growth rate (CAGR) of 21.1%. The change in growth trend of the 3D bioprinting market is mainly due to the companies stabilizing their output after catering to the demand that grew exponentially during the COVID-19 pandemic in 2020. The 3D bioprinting market is expected to reach \$1,899.37 million in 2025 at a CAGR of 19.4%. Rising governments and private funding to support 3D bioprinting research activities are expected to drive the growth of the 3D bioprinting market in the forecast period.

Request For A Sample For The Global 3D Bioprinting Market Report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=5341&type=smp>

The 3D bioprinting market consists of sales of 3D bioprinting products by entities (organizations, sole traders, and partnerships) that are engaged in manufacturing and utilizing 3D printing to produce biomedical parts that imitate natural tissue characteristics. 3D Bioprinting is a type of additive manufacturing that prints live structures layer by layer, mimicking the behavior of actual living systems, using cells and other biocompatible materials like inks, also known as bio-inks. 3D bioprinting materials are mainly used in connection with drug research and most recently as cell scaffolds to help repair damaged ligaments and joints.

## Trends In The Global 3D Bioprinting Market

Artificial intelligence (AI) is increasingly being used in 3D bioprinting to fabricate bio-tissues in a layer-to-layer fashion from a digital 3D model using a combination of cells, growth factors, and biomaterials. Artificial intelligence is a branch of technology that deals with the simulation of human behavior in machines. AI is used in bioprinting to give suggestions on the best possible



The Business  
Research Company

3D Bioprinting Global Market Report 2021: COVID-19  
Implications And Growth

printing parameters needed to produce a biocompatible tissue that can fit the patient's physiological makeup by analyzing data and identifying patterns throughout the bioprinting process. For instance, in June 2021, researchers at Queensland University of Technology's (QUT) Center in Transformative Biomimetics in Bioengineering, and Oregon University integrated AI and machine vision into 3D printers to manufacture customized medical implants. In addition to this, in September 2020, Researchers at Rice University used AI to speed up the development of 3D printed bioscaffolds that help injuries heal.

#### Global 3D Bioprinting Market Segments:

The global 3D bioprinting market is further segmented:

By Component: 3D Bioprinters, Bioinks

By Material: Living Cells, Hydrogels, Extracellular Matrices, Others

By Application: Research Applications, Clinical Application, Others

By End User: Research Organization And Academic Institutes, Biopharmaceuticals Companies, Hospitals, Others

By Geography: The global 3D bioprinting market is segmented into North America, South America, Asia-Pacific, Eastern Europe, Western Europe, Middle East and Africa.

Read More On The Report For The Global 3D Bioprinting Market At:

<https://www.thebusinessresearchcompany.com/report/3D-bioprinting-global-market-report>

3D Bioprinting Global Market Report 2021 is one of a series of new reports from The Business Research Company that provides 3D bioprinting market overviews, analyzes and forecasts market size and growth for the global 3D bioprinting market, 3D bioprinting market share, 3D bioprinting market players, 3D bioprinting market segments and geographies, 3D bioprinting market's leading competitors' revenues, profiles and market shares. The 3D bioprinting market report identifies top countries and segments for opportunities and strategies based on market trends and leading competitors' approaches.

Read 3D Bioprinting Global Market Report 2021 from The Business Research Company for information on the following:

Data Segmentations: Market Size, Global, By Region And By Country; Historic And Forecast Size, And Growth Rates For The World, 7 Regions And 12 Countries

3D Bioprinting Market Organizations Covered: Organovo Holdings Inc., Allevi Inc., Cellink, Aspect Biosystems Ltd., 3D Systems Corporation, Cyfuse Biomedical KK, Envisiontec Inc., Poietis, TeVido BioDevices, Nano3D Biosciences Inc., Digilab Inc., RegenHU, GeSIM GmbH, Advanced Solutions

Life Sciences LLC, Regenovo Biotechnology Co. Ltd., Regemat 3D S.L., Bio3D Technologies, Stratasys Ltd, ROKIT Healthcare, Inventia Life Science PTY LTD, Vivax Bio LLC, GE Healthcare, and 3D Biotek.

Regions: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.

Countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Interested to know more about [The Business Research Company?](#)

The Business Research Company has published over 1000 industry reports, covering over 2500 market segments and 60 geographies. The reports draw on 150,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders. The reports are updated with a detailed analysis of the impact of COVID-19 on various markets.

Get a quick glimpse of our services here:

[https://www.youtube.com/channel/UC24\\_f10rV8cR5DxlCpgmyFQ](https://www.youtube.com/channel/UC24_f10rV8cR5DxlCpgmyFQ)

Here is a list of reports from The Business Research Company similar to the 3D Bioprinting Global Market Report 2021:

3D Cell Culture Technologies Global Market Report 2021 - By Type (Scaffold-Based, Scaffold-Free, 3D Bioreactors), By End Users (Research Laboratories And Institutes, Biotechnology And Pharmaceutical Companies, Hospitals And Diagnostic Centers), By Scaffold-Based (Hydrogels, Polymeric Scaffolds, Micropatterned Surface Microplates), By Scaffold-Free (Hanging Drop Microplates, Spheroid Microplates, Microfluidic 3D Cell Culture, Magnetic Levitations & 3D Bioprinting), By Application (Cancer Research, Stem Cell Research, Drug Discovery, Regenerative Medicine), COVID-19 Growth And Change

<https://www.thebusinessresearchcompany.com/report/3d-cell-culture-technologies-global-market-report>

3D Printed Medical Devices Global Market Report 2021 - By Type (Implants, Surgical Instruments, Prosthetics, Tissue Engineering Devices), By Application (Orthopedic, Spinal, Dental, Hearing Aids), By Technology (Fused Deposition Modelling, Digital Light Processing, Stereolithography, Selective Laser Melting), By Raw Material (Plastics, Biomaterial Inks, Metals And Alloys), By End User (Hospitals, Diagnostics Centres, Academic Institutions), COVID-19 Growth And Change

<https://www.thebusinessresearchcompany.com/report/3d-printed-medical-devices-global-market-report>

3D Printed Implants Global Market Report 2021 - By Application (Dental, Orthopedic, Cranio-Maxillofacial), By End Users (Medical And Surgical Centers, Pharmaceutical Companies, Biotechnology Industry, Medical Institution), By Implantation Technology (Laser Beam Melting,

Electronic Beam Melting, Droplet Deposition, Laminated Deposition, Two-Photon Polymerization), COVID-19 Growth And Change  
<https://www.thebusinessresearchcompany.com/report/3d-printed-medical-implants-global-market-report>

Call us now for personal assistance with your purchase:

Europe: +44 207 1930 708

Asia: +91 88972 63534

Americas: +1 315 623 0293

The Business Research Company

Email: [info@tbrc.info](mailto:info@tbrc.info)

Follow us on LinkedIn: <https://bit.ly/3b7850r>

Follow us on Twitter: <https://bit.ly/3b1rmjS>

Check out our Blog: <http://blog.tbrc.info/>

Oliver Guirdham

The Business Research Company

20 7193 0708

[info@tbrc.info](mailto:info@tbrc.info)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/553168465>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2021 IPD Group, Inc. All Right Reserved.