

3D Bioprinting Market by Component (3D Bioprinters (Microextrusion, Inkjet, Laser, Magnetic), Bioink (Natural, Synthetic, Hybrid)), Material (Hydrogel, Living Cells), Application (Research, Clinical), End user (Biopharma, Academia) - Global Forecast to 2027

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Abstracts

The global 3D Bioprinting market is valued at an estimated USD 1.3 billion in 2022 and is projected to reach USD 3.3 billion by 2027, at a CAGR of 20.8% during the forecast period. Factors such as technological advancements in 3D bioprinters and biomaterials, increasing use of 3D bioprinting in the pharmaceutical and cosmetology industries, and rising public and private funding to support bioprinting research activities drive the market growth. However, factors like dearth of skilled professionals and high development and production costs are restraining the growth of this market.

“The 3D Bioprinters segment accounted for the highest growth rate in the 3D Bioprinting market, by component, during the forecast period”

In 2021, the 3D Bioprinters segment accounted for the highest growth rate. In biological sciences and the bioengineering field, 3D bioprinters help in printing living cells layer-by-layer. The idea of printing entire organs—such as the liver, teeth, heart, ears, and lungs—grown from samples of an individual’s body tissue is in process and gaining tremendous attention worldwide and thus, favoring growth of this market.

“Asia Pacific: The fastest-growing region in the 3D Bioprinting market”

The Asia Pacific market is estimated to record the highest CAGR during the forecast period. The high growth rate of this market can be attributed to the increasing research activities, growing demand for organ transplants, increasing number of initiatives by

market players for expanding their presence in the APAC, and the higher adoption of stem cell research in several Asian countries.

The primary interviews conducted for this report can be categorized as follows:

By Respondent: Supply Side- 80%and Demand Side 20%

By Designation: C-level (Managers) - 45%, D-level(CXOs, Directors)- 30%, and Others (Executives) - 25%

By Region: North America -20%, Europe -10%, Asia-Pacific -55%, Latin America -10%, Middle East & Africa- 5%

List of Companies Profiled in the Report:

BICO Group AB (US)

Organovo Holdings Inc. (US)

Allevi, Inc. (part of 3D Systems, Inc.) (US)

CollPlant Biotechnologies Ltd. (Israel)

regenHU (Switzerland)

EnvisionTEC GmbH (part of Desktop Metal) (Germany)

Aspect Biosystems Ltd. (Canada)

Advanced Solutions Life Sciences, LLC (US)

Cyfuse Biomedical K.K. (Japan)

ROKIT Healthcare, Inc. (South Korea)

Regenovo Biotechnology Co., Ltd. (part of Shining 3D Tech Co., Ltd.) (China)

Pandorum Technologies Pvt. Ltd. (India)

Foldink Life Science Technologies (Armenia)

Revotek Co., Ltd. (US)

Precise Bio (US)

Brinter (Finland)

Prellis Biologics (US)

Regemat 3D (Spain)

3DBio Therapeutics (US)

Tissue Regeneration Systems Inc. (US)

Poietis (France)

SunP Biotech, LLC (US)

Vivax Bio, LLC (US)

GeSiM mbH (Germany)

Manchester BIOGEL (UK).

Research Coverage:

This report provides a detailed picture of the global 3D Bioprinting Market. It aims at estimating the size and future growth potential of the market across different segments such as the component, material, application, end user and region. The report also includes an in-depth competitive analysis of the key market players along with their company profiles recent developments and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants by providing them with the closest

approximations of the revenue numbers for the overall 3D Bioprinting Market and its subsegments. It will also help stakeholders better understand the competitive landscape and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, challenges, restraints, trends, and opportunities.

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*Details on Business Overview, Products Offered, Recent Developments, MnM view, Key strengths/right to win, Strategic choices, Weaknesses and competitive threats might not be captured in case of unlisted companies.

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