

Global 3D Bioprinters Market – Industry Trends, Opportunities and Forecasts to 2023

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Abstracts

Global 3D Bioprinters market is projected to grow at a CAGR of 48.30% during the forecast period to reach a total market size of US\$86.063 million in 2023 from US\$12 million in 2018. 3D bioprinter is an extended version of a conventional 3D printer which is used to produce living tissue, bones, blood vessels, and organs for medical, research, and testing purposes. Widening demand-supply gap in organ transplantation is the major driver of global 3D bioprinters market. Major market players are increasingly investing in R&D activities to test and develop innovative applications of 3D bioprinters in the field of tissue engineering and regenerative medicine. This is further boosting the growth of 3D bioprinters market. Stringent regulations regarding the use of animals for testing purposes are another factor that is fuelling the demand for 3D bioprinters worldwide. However, the ethical issue regarding the use of organs and tissues generated in labs will hamstring the growth of 3D bioprinters market during the forecast period.

Research Methodology

The report provides a brief introduction to the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentations which have been covered as part of the report.

Market Dynamics

This section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a

whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of 3D Bioprinters. Complete industry analysis has also been covered through Porter's five forces model as a part of this report section.

Segmentation

Global 3D Bioprinters market is segmented by technology, material, application, and geography.

By Technology

Droplet

Laser

Extrusion

By Material

Natural

Synthetic and Semi-Synthetic

By Application

Soft Tissue

Hard Tissue

Organs

By Geography

North America

South America

Europe

Middle East and Africa

Asia Pacific

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