

3D Bioprinting Market: Trends, Opportunities and Competitive Analysis [2023-2028]

<https://marketpublishers.com/r/3CFBFE28762BEN.html>

Date: April 2023

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: 3CFBFE28762BEN

Abstracts

2 – 3 business days by ordering today

3D Bioprinting Market Trends and Forecast

The future of the 3D bioprinting market looks promising with opportunities in the pharmaceutical & biotechnology and research organizations & academic institutes. The global 3D bioprinting market is expected to reach an estimated \$5.0 billion by 2028 with a CAGR of 18.4% from 2023 to 2028. The major drivers for this market are growing demand for organ transplantation, rise in public and private funding to support research activities, and increasing usage of 3D bioprinting in cosmetic surgeries and drug discovery process.

3D Bioprinting Market by Technology, Product, Material, Application, End Use Industry, and Region

A more than 150-page report is developed to help in your business decisions. A sample figure with some insights is shown below.

3D Bioprinting Market by Segments

3D Bioprinting Market by Segment

The study includes trends and forecast for the global 3D bioprinting market by technology, product, material, application, end use industry, and region, as follows:

3D Bioprinting Market by Technology [Value (\$B) Shipment Analysis from 2017 to

2028]:

Magnetic 3D Bioprinting

Laser-assisted Bioprinting

Inkjet 3D Bioprinting

Microextrusion 3D Bioprinting

Methyl Mercaptan Sensors

Others

3D Bioprinting Market by Product [Value (\$B) Shipment Analysis from 2017 to 2028]:

3D Bioprinters

Biomaterials

Scaffolds

3D Bioprinting Market by Material [Value (\$B) Shipment Analysis from 2017 to 2028]:

Living Cells

Extracellular Matrices

Hydrogels

Others

3D Bioprinting Market by Application [Value (\$B) Shipment Analysis from 2017 to 2028]:

Clinical Applications

Skin

Bones

Blood Vessels

Research Applications

Drug and Medical Research

Regenerative Medicine

3D Cell Culture

3D Bioprinting Market by End Use Industry [Value (\$B) Shipment Analysis from 2017 to 2028]:

Pharmaceutical & Biotechnology Companies

Research Organizations & Academic Institutes

Others

3D Bioprinting Market by Region [Value (\$B) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

List of 3D Bioprinting Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies, 3D bioprinting companies cater to increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the 3D bioprinting companies profiled in this report include-

Organovo Holdings

Envisiontec

Nano 3D Biosciences

Cyfuse Biomedical

Regenhu

3D Bioprinting Market Insights

Lucintel forecasts that 3D bioprinters will remain the largest product segment over the forecast period due to the increasing number of clinical trials and drug testing process, which will help in significantly reducing animal testing.

Research organizations & academic institutes are expected to remain the largest end use industry segment due to the expanding research into portable 3D bioprinting technology that can be used to conveniently generate skin tissues and reduce scars in trauma care.

North America will remain the largest region due to growing prevalence of chronic diseases, sophisticated healthcare infrastructure along with high disposable income levels in the region, and extensive research activities.

Features of the 3D Bioprinting Market

Market Size Estimates: 3D bioprinting market size estimation in terms of value (\$B)

Trend And Forecast Analysis: Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

Segmentation Analysis: 3D bioprinting market size by various segments, such as technology, product, material, application, end use industry, and region

Regional Analysis: 3D bioprinting market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different technology, products, materials, applications, end use industries, and regions for the 3D bioprinting market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the 3D bioprinting market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the 3D bioprinting market size?

Answer: The global 3D bioprinting market is expected to reach an estimated \$5.0 billion by 2028.

Q2. What is the growth forecast for 3D bioprinting market?

Answer: The global 3D bioprinting market is expected to grow with a CAGR of 18.4% from 2023 to 2028.

Q3. What are the major drivers influencing the growth of the 3D bioprinting market?

Answer: The major drivers for this market are growing demand for organ transplantation, rise in public and private funding to support research activities, and increasing usage of 3D bioprinting in cosmetic surgeries and drug discovery process.

Q4. What are the major segments for 3D bioprinting market?

Answer: The future of the 3D bioprinting market looks promising with opportunities in pharmaceutical & biotechnology and research organizations & academic institutes.

Q5. Who are the key 3D bioprinting companies?

Answer: Some of the key 3D bioprinting companies are as follows:

Organovo Holdings

Envisiontec

Nano 3D Biosciences

Cyfuse Biomedical

Regenhu

Q6. Which 3D bioprinting segment will be the largest in the future?

Answer: Lucintel forecasts that 3D bioprinters will remain the largest product segment over the forecast period due to the increasing number of clinical trials and drug testing process, which will help in significantly reducing animal testing.

Q7. In 3D bioprinting market, which region is expected to be the largest in next 5 years?

Answer: North America will remain the largest region due to growing prevalence of chronic diseases, sophisticated healthcare infrastructure along with high disposable income levels in the region, and extensive research activities.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the 3D bioprinting market by technology (magnetic 3D bioprinting, laser-assisted bioprinting, inkjet 3D bioprinting, microextrusion 3D bioprinting, and others), product (3D bioprinters, biomaterials, and scaffolds), material (living cells, extracellular matrices, hydrogels, and others), application (clinical applications, skin, bones, blood vessels, research applications, drug and medical research, regenerative medicine, and 3D cell culture), end use industry (pharmaceutical & biotechnology, research organizations & academic institutes, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

- Q.6. What are the emerging trends in this market and the reasons behind them?
- Q.7. What are some of the changing demands of customers in the market?
- Q.8. What are the new developments in the market? Which companies are leading these developments?
- Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?
- Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?
- Q.11. What M&A activity has occurred in the last five years and what has its impact been on the industry?

For any questions related to 3D bioprinting market or related to 3D bioprinting companies, 3D bioprinting market size, 3D bioprinting market share, 3D bioprinting analysis, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL 3D BIOPRINTING MARKET: MARKET DYNAMICS

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2017 TO 2028

3.1: Macroeconomic Trends (2017-2022) and Forecast (2023-2028)

3.2: Global 3D Bioprinting Market Trends (2017-2022) and Forecast (2023-2028)

3.3: Global 3D Bioprinting Market by Technology

3.3.1: Magnetic 3D Bioprinting

3.3.2: Laser-assisted Bioprinting

3.3.3: Inkjet 3D Bioprinting

3.3.4: Microextrusion 3D Bioprinting

3.3.5: Methyl Mercaptan Sensors

3.3.6: Others

3.4: Global 3D Bioprinting Market by Product

3.4.1: 3D Bioprinters

3.4.2: Biomaterials

3.4.3: Scaffolds

3.5: Global 3D Bioprinting Market by Material

3.5.1: Living Cells

3.5.2: Extracellular Matrices

3.5.3: Hydrogels

3.5.4: Others

3.6: Global 3D Bioprinting Market by Application

3.6.1: Clinical Applications

3.6.2: Skin

3.6.3: Bones

3.6.4: Blood Vessels

3.6.5: Research Applications

3.6.6: Drug and Medical Research

3.6.7: Regenerative Medicine

3.6.8: 3D Cell Culture

3.7: Global 3D Bioprinting Market by End Use Industry

3.7.1: Pharmaceutical & Biotechnology Companies

3.7.2: Research Organizations & Academic Institutes

3.7.3: Others

4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION FROM 2017 TO 2028

4.1: Global 3D Bioprinting Market by Region

4.2: North American 3D Bioprinting Market

4.2.1: North American 3D Bioprinting Market by Product: 3D Bioprinters, Biomaterials, and Scaffolds

4.2.2: North American 3D Bioprinting Market by End Use Industry: Pharmaceutical & Biotechnology, Research Organizations & Academic Institutes, and Others

4.3: European 3D Bioprinting Market

4.3.1: European 3D Bioprinting Market by Product: 3D Bioprinters, Biomaterials, and Scaffolds

4.3.2: European 3D Bioprinting Market by End Use Industry: Pharmaceutical & Biotechnology, Research Organizations & Academic Institutes, and Others

4.4: APAC 3D Bioprinting Market

4.4.1: APAC 3D Bioprinting Market by Product: 3D Bioprinters, Biomaterials, and Scaffolds

4.4.2: APAC 3D Bioprinting Market by End Use Industry: Pharmaceutical & Biotechnology, Research Organizations & Academic Institutes, and Others

4.5: ROW 3D Bioprinting Market

4.5.1: ROW 3D Bioprinting Market by Product: 3D Bioprinters, Biomaterials, and Scaffolds

4.5.2: ROW 3D Bioprinting Market by End Use Industry: Pharmaceutical & Biotechnology, Research Organizations & Academic Institutes, and Others

5. COMPETITOR ANALYSIS

5.1: Product Portfolio Analysis

5.2: Operational Integration

5.3: Porter's Five Forces Analysis

6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

6.1: Growth Opportunity Analysis

- 6.1.1: Growth Opportunities for the Global 3D Bioprinting Market by Technology
- 6.1.2: Growth Opportunities for the Global 3D Bioprinting Market by Product
- 6.1.3: Growth Opportunities for the Global 3D Bioprinting Market by Material
- 6.1.4: Growth Opportunities for the Global 3D Bioprinting Market by Application
- 6.1.5: Growth Opportunities for the Global 3D Bioprinting Market by End Use Industry
- 6.1.6: Growth Opportunities for the Global 3D Bioprinting Market by Region
- 6.2: Emerging Trends in the Global 3D Bioprinting Market
- 6.3: Strategic Analysis
 - 6.3.1: New Product Development
 - 6.3.2: Capacity Expansion of the Global 3D Bioprinting Market
 - 6.3.3: Mergers, Acquisitions, and Joint Ventures in the Global 3D Bioprinting Market
 - 6.3.4: Certification and Licensing

7. COMPANY PROFILES OF LEADING PLAYERS

- 7.1: Organovo Holdings
- 7.2: Envisiontec
- 7.3: Nano 3D Biosciences
- 7.4: Cyfuse Biomedical
- 7.5: Regenhu

I would like to order

Product name: 3D Bioprinting Market: Trends, Opportunities and Competitive Analysis [2023-2028]

Product link: <https://marketpublishers.com/r/3CFBFE28762BEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/3CFBFE28762BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970