

# **Europe 3D Bioprinting in Medical Market Size study, by Products and Solutions (Bioprinters, Consumables and accessories, Software and services) by Technology (Extrusion based bioprinting, Inkjet based bioprinting, Laser assisted bioprinting, Others), by Application (Tissue engineering and regenerative medicine, Drug discovery and development, Others), by End User (Biotechnology and pharmaceutical companies, Academic and research institutes, Others) and Country Forecasts 2022-2032**

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## **Abstracts**

Europe 3D Bioprinting in Medical Market is valued approximately USD 360 million in 2023 and is anticipated to grow with a healthy growth rate of more than 17.18% over the forecast period 2024-2032. 3D bioprinting in the medical realm represents a groundbreaking approach to tissue engineering and regenerative medicine. It entails the precise layer-by-layer deposition of biomaterials, cells, and growth factors to fabricate three-dimensional structures mirroring the intricate architecture and functionality of natural tissues and organs. This state-of-the-art technology holds tremendous potential for diverse applications, ranging from organ transplantation and drug screening to disease modeling and personalized medicine. Moreover, the versatility of 3D bioprinting extends beyond tissue engineering, encompassing a spectrum of medical and pharmaceutical applications, including drug screening, disease modeling, and personalized medicine.

Healthcare institutions in Europe are increasingly adopting 3D bioprinting technologies

for research, clinical applications, and medical education. Bioprinted tissues and organs are used for drug screening, disease modeling, surgical planning and personalized medicine, driving market demand in the region. Regulatory agencies in Europe are establishing clear guidelines and standards for the approval and commercialization of 3D bioprinted medical products. Regulatory support ensures safety, efficacy and quality control of bioprinted tissues and organs, fostering market growth and investment in the region. Furthermore, Europe 3D Bioprinting in Medical Market is driven by Rising Demand for Regenerative Medicine and Increasing investment in Research and Development. However, high development costs is expected to stifle market growth between 2022 and 2032.

The key countries considered for the Europe 3D Bioprinting in Medical market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany held the largest market in the regional market. Germany has a strong tradition of excellence in engineering, biotechnology and medical research, providing a solid foundation for the development and commercialization of 3D bioprinting technologies. The country boasts world-class research institutions, universities, and industry clusters dedicated to advancing bioprinting techniques and applications. Additionally, Germany benefits from substantial public and private investment in research and development, fostering innovation and technology transfer in the bioprinting sector. On the other hand, the market in UK is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Regemat 3D

Fluicell AB

Ourobotics Bioprinting

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Products and Solution

Bioprinters

Consumables and accessories

## Software and services

### By Technology

Extrusion based bioprinting

Inkjet based bioprinting

Laser assisted bioprinting

Others

### By Application

Tissue engineering and regenerative medicine

Drug discovery and development

Others

### By End User

Biotechnology and pharmaceutical companies

Academic and research institutes

Others

?

### By Region:

Europe

UK

Germany

France

Spain

Italy

ROE

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

### Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

## Contents

### **CHAPTER 1. EUROPE 3D BIOPRINTING IN MEDICAL MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
  - 1.3.1. Inclusion & Exclusion
  - 1.3.2. Limitations
  - 1.3.3. Supply Side Analysis
    - 1.3.3.1. Availability
    - 1.3.3.2. Infrastructure
    - 1.3.3.3. Regulatory Environment
    - 1.3.3.4. Market Competition
    - 1.3.3.5. Economic Viability (Consumer's Perspective)
  - 1.3.4. Demand Side Analysis
    - 1.3.4.1. Regulatory frameworks
    - 1.3.4.2. Technological Advancements
    - 1.3.4.3. Environmental Considerations
    - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Europe 3D Bioprinting in Medical Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
  - 2.3.1. By Products and Solutions
  - 2.3.2. By Technology
  - 2.3.3. By Application
  - 2.3.4. By End User
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

### **CHAPTER 3. EUROPE 3D BIOPRINTING IN MEDICAL MARKET DYNAMICS**

*Europe 3D Bioprinting in Medical Market Size study, by Products and Solutions (Bioprinters, Consumables and ac...*

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

## **CHAPTER 4. EUROPE 3D BIOPRINTING IN MEDICAL MARKET: INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. EUROPE 3D BIOPRINTING IN MEDICAL MARKET SIZE & FORECASTS BY PRODUCTS AND SOLUTIONS 2022-2032**

- 5.1. Bioprinters
- 5.2. Consumables and accessories
- 5.3. Software and services

## **CHAPTER 6. EUROPE 3D BIOPRINTING IN MEDICAL MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032**

- 6.1. Extrusion based bioprinting
- 6.2. Inkjet based bioprinting
- 6.3. Laser assisted bioprinting
- 6.4. Others

## **CHAPTER 7. EUROPE 3D BIOPRINTING IN MEDICAL MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

- 7.1. Tissue engineering and regenerative medicine
- 7.2. Drug discovery and development
- 7.3. Others

## **CHAPTER 8. EUROPE 3D BIOPRINTING IN MEDICAL MARKET SIZE & FORECASTS BY END USER 2022-2032**

- 8.1. Biotechnology and pharmaceutical companies
- 8.2. Academic and research institutes
- 8.3. Others

## **CHAPTER 9. EUROPE 3D BIOPRINTING IN MEDICAL MARKET SIZE & FORECASTS BY COUNTRY 2022-2032**

- 9.1. U.K. 3D Bioprinting in Medical Market
  - 9.1.1.1. Products and Solution breakdown size & forecasts, 2022-2032
  - 9.1.1.2. Technology breakdown size & forecasts, 2022-2032
  - 9.1.1.3. Application breakdown size & forecasts, 2022-2032
  - 9.1.1.4. End User breakdown size & forecasts, 2022-2032
- 9.2. Germany 3D Bioprinting in Medical Market
- 9.3. France 3D Bioprinting in Medical Market
- 9.4. Spain 3D Bioprinting in Medical Market
- 9.5. Italy 3D Bioprinting in Medical Market
- 9.6. Rest of Europe 3D Bioprinting in Medical Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Key Company SWOT Analysis
  - 10.1.1. Company
  - 10.1.2. Company
  - 10.1.3. Company

10.2. Top Market Strategies

10.3. Company Profiles

10.3.1. Regemat 3D

10.3.1.1. Key Information

10.3.1.2. Overview

10.3.1.3. Financial (Subject to Data Availability)

10.3.1.4. Product Summary

10.3.1.5. Market Strategies

10.3.2. Fluicell AB

10.3.3. Ourobotics Bioprinting

10.3.4. Company

10.3.5. Company

10.3.6. Company

10.3.7. Company

10.3.8. Company

10.3.9. Company

10.3.10. Company

## **CHAPTER 11. RESEARCH PROCESS**

11.1. Research Process

11.1.1. Data Mining

11.1.2. Analysis

11.1.3. Market Estimation

11.1.4. Validation

11.1.5. Publishing

11.2. Research Attributes



## List Of Tables

### **LIST OF TABLES** **TABLE 1. EUROPE 3D BIOPRINTING IN MEDICAL MARKET, REPORT SCOPE**

TABLE 2. Europe 3D Bioprinting in Medical market estimates & forecasts by Country 2022-2032 (USD Million)

TABLE 3. Europe 3D Bioprinting in Medical market estimates & forecasts by Products and Solution 2022-2032 (USD Million)

TABLE 4. Europe 3D Bioprinting in Medical market estimates & forecasts by Technology 2022-2032 (USD Million)

TABLE 5. Europe 3D Bioprinting in Medical market estimates & forecasts by Application 2022-2032 (USD Million)

TABLE 6. Europe 3D Bioprinting in Medical market estimates & forecasts by End User 2022-2032 (USD Million)

TABLE 7. Europe 3D Bioprinting in Medical market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 8. Europe 3D Bioprinting in Medical market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 9. Europe 3D Bioprinting in Medical market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 10. Europe 3D Bioprinting in Medical market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 11. Europe 3D Bioprinting in Medical market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 12. Europe 3D Bioprinting in Medical market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 13. Europe 3D Bioprinting in Medical market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 14. Europe 3D Bioprinting in Medical market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 15. Europe 3D Bioprinting in Medical market by segment, estimates & forecasts, 2022-2032 (USD Million) Europe 3D Bioprinting in Medical market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 16. UK 3D Bioprinting in Medical market estimates & forecasts, 2022-2032 (USD Million)

TABLE 17. UK 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 18. UK 3D Bioprinting in Medical market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 19. Germany 3D Bioprinting in Medical market estimates & forecasts, 2022-2032 (USD Million)

TABLE 20. Germany 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 21. Germany 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 22. France 3D Bioprinting in Medical market estimates & forecasts, 2022-2032 (USD Million)

TABLE 23. France 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 24. France 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 25. Italy 3D Bioprinting in Medical market estimates & forecasts, 2022-2032 (USD Million)

TABLE 26. Italy 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 27. Italy 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 28. Spain 3D Bioprinting in Medical market estimates & forecasts, 2022-2032 (USD Million)

TABLE 29. Spain 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 30. Spain 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 31. RoE 3D Bioprinting in Medical market estimates & forecasts, 2022-2032 (USD Million)

TABLE 32. RoE 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 33. RoE 3D Bioprinting in Medical market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 34. List of secondary sources, used in the study of Europe 3D Bioprinting in Medical Market.

TABLE 35. List of primary sources, used in the study of Europe 3D Bioprinting in Medical Market.

TABLE 36. Years considered for the study.

TABLE 37. Exchange rates considered.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Europe 3D Bioprinting in Medical market, research methodology
- FIG 2. Europe 3D Bioprinting in Medical market, market estimation techniques
- FIG 3. Europe market size estimates & forecast methods.
- FIG 4. Europe 3D Bioprinting in Medical market, key trends 2023
- FIG 5. Europe 3D Bioprinting in Medical market, growth prospects 2022-2032
- FIG 6. Europe 3D Bioprinting in Medical market, porters 5 force model
- FIG 7. Europe 3D Bioprinting in Medical market, pestel analysis
- FIG 8. Europe 3D Bioprinting in Medical market, value chain analysis
- FIG 9. Europe 3D Bioprinting in Medical market by segment, 2022 & 2032 (USD Million)
- FIG 10. Europe 3D Bioprinting in Medical market by segment, 2022 & 2032 (USD Million)
- FIG 11. Europe 3D Bioprinting in Medical market by segment, 2022 & 2032 (USD Million)
- FIG 12. Europe 3D Bioprinting in Medical market by segment, 2022 & 2032 (USD Million)
- FIG 13. Europe 3D Bioprinting in Medical market by segment, 2022 & 2032 (USD Million)
- FIG 14. Europe 3D Bioprinting in Medical market, Country snapshot 2022 & 2032
- FIG 15. Europe 3D Bioprinting in Medical market 2022 & 2032 (USD Million)
- FIG 16. Europe 3D Bioprinting in Medical market, company market share analysis (2023)

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