

# **Asia Pacific 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**

Asia Pacific 3D Bioprinting in Medical Market is valued approximately USD 300 million in 2023 and is anticipated to grow with a healthy growth rate of more than 16.65% over the forecast period 2024-2032. 3D bioprinting in the medical field representing a revolutionary approach to tissue engineering and regenerative medicine. It involves the precise layer-by-layer deposition of biomaterials, cells, and growth factors to create three-dimensional structures that mimic the complex architecture and functionality of native tissues and organs. This cutting-edge technology holds immense promise for a wide range of applications, including organ transplantation, drug screening, disease modeling, and personalized medicine. Asia Pacific 3D printing in medical market is witnessing rapid technological advancement in 3D bioprinting technology, driven by research institutions, biotechnology companies, and government initiatives. Innovations in printing techniques, biomaterials, and bioreactor systems are enhancing the precision, speed, and scalability of bioprinting processes.

Governments across different countries in Asia Pacific region are increasingly investing in research and development initiatives related to 3D bioprinting and regenerative medicine. Government support, grants, subsidies and tax incentives aim to promote innovation, stimulate economic growth, and address healthcare challenges through the advancement of bioprinting technologies. Furthermore, Asia Pacific 3D Bioprinting in Medical Market is driven by growing healthcare expenditure and rising development of regenerative medicine. However, high development costs and limited reimbursement policies is expected to stifle market growth between 2022 and 2032.

The key countries considered for the Asia Pacific 3D Bioprinting in Medical market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, South Korea has the largest regional share in the regional market. South Korea boasts a robust infrastructure for research and development, supported by world-class universities, research institutions and government initiatives. These institutions foster innovation and collaboration, driving advancements in 3D bioprinting technology and applications. Additionally, South Korea has a strong focus on healthcare and biotechnology, with significant investment in regenerative medicine and personalized healthcare solutions. The market in China, on the other hand, is expected to grow at the fastest rate over the forecast period.

Major market player included in this report are:

Rokit Healthcare Inc  
Regenovo Biotechnology Co, Ltd  
Aspect Biosystems  
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:

- Asia Pacific
- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

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 of major regions.

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. ASIA PACIFIC 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. Asia Pacific 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. ASIA PACIFIC 3D BIOPRINTING IN MEDICAL MARKET DYNAMICS**

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

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

## **CHAPTER 4. ASIA PACIFIC 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. ASIA PACIFIC 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. ASIA PACIFIC 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. ASIA PACIFIC 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. ASIA PACIFIC 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. ASIA PACIFIC 3D BIOPRINTING IN MEDICAL MARKET SIZE & FORECASTS BY COUNTRY 2022-2032**

- 9.1. China 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. India 3D Bioprinting in Medical Market
- 9.3. Japan 3D Bioprinting in Medical Market
- 9.4. Australia 3D Bioprinting in Medical Market
- 9.5. South Korea 3D Bioprinting in Medical Market
- 9.6. Rest of Asia Pacific 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. Rokit Healthcare Inc

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. Regenovo Biotechnology Co., Ltd

10.3.3. Aspect Biosystems Ltd

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. ASIA PACIFIC 3D BIOPRINTING IN MEDICAL MARKET, REPORT SCOPE**

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

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

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

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

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

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

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

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

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

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

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

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

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

TABLE 15. Asia Pacific 3D Bioprinting in Medical Market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 16. Asia Pacific 3D Bioprinting in Medical Market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 17. China 3D Bioprinting in Medical Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 18. China 3D Bioprinting in Medical Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 19. China 3D Bioprinting in Medical Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 20. India 3D Bioprinting in Medical Market estimates & forecasts, 2022-2032 (USD Million)

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

TABLE 22. India 3D Bioprinting in Medical Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 23. Japan 3D Bioprinting in Medical Market estimates & forecasts, 2022-2032 (USD Million)

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

TABLE 25. Japan 3D Bioprinting in Medical Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 26. Australia 3D Bioprinting in Medical Market estimates & forecasts, 2022-2032 (USD Million)

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

TABLE 28. Australia 3D Bioprinting in Medical Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 29. South Korea 3D Bioprinting in Medical Market estimates & forecasts, 2022-2032 (USD Million)

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

TABLE 31. South Korea 3D Bioprinting in Medical Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 32.

TABLE 33. RoAPAC 3D Bioprinting in Medical Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 34. RoAPAC 3D Bioprinting in Medical Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 35. RoAPAC 3D Bioprinting in Medical Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 36. List of secondary sources, used in the study of Asia Pacific 3D Bioprinting in Medical Market.

TABLE 37. List of primary sources, used in the study of Asia Pacific 3D Bioprinting in Medical Market.

TABLE 38. Years considered for the study.

TABLE 39. Exchange rates considered.



## List Of Figures

### LIST OF FIGURES

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

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