

# **4D Printing Market Research Report by Material (Programmable Biomaterial, Programmable Carbon Fiber, Programmable Textiles, and Programmable Wood), by End User (Aerospace & Defense, Automotive, Clothing, Construction, and Healthcare) - Global Forecast to 2025 - Cumulative Impact of COVID-19**

<https://marketpublishers.com/r/4E8E83CD0135EN.html>

Date: February 2021

Pages: 187

Price: US\$ 3,949.00 (Single User License)

ID: 4E8E83CD0135EN

## **Abstracts**

### Market Statistics:

The report provides market sizing and forecast across five major currencies - USD, EUR GBP, JPY, and AUD. This helps organization leaders make better decisions when currency exchange data is readily available.

1. The Global 4D Printing Market is expected to grow from USD 184.07 Million in 2020 to USD 684.07 Million by the end of 2025.
2. The Global 4D Printing Market is expected to grow from EUR 161.39 Million in 2020 to EUR 599.81 Million by the end of 2025.
3. The Global 4D Printing Market is expected to grow from GBP 143.48 Million in 2020 to GBP 533.23 Million by the end of 2025.
4. The Global 4D Printing Market is expected to grow from JPY 19,645.35 Million in 2020 to JPY 73,008.22 Million by the end of 2025.
5. The Global 4D Printing Market is expected to grow from AUD 267.29 Million in 2020 to AUD 993.36 Million by the end of 2025.

### Market Segmentation & Coverage:

This research report categorizes the 4D Printing to forecast the revenues and analyze the trends in each of the following sub-markets:

Based on Material , the 4D Printing Market studied across Programmable Biomaterial, Programmable Carbon Fiber, Programmable Textiles, and Programmable Wood.

Based on End User, the 4D Printing Market studied across Aerospace & Defense, Automotive, Clothing, Construction, and Healthcare.

Based on Geography, the 4D Printing Market studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas region surveyed across Argentina, Brazil, Canada, Mexico, and United States. The Asia-Pacific region surveyed across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, South Korea, and Thailand. The Europe, Middle East & Africa region surveyed across France, Germany, Italy, Netherlands, Qatar, Russia, Saudi Arabia, South Africa, Spain, United Arab Emirates, and United Kingdom.

#### Company Usability Profiles:

The report deeply explores the recent significant developments by the leading vendors and innovation profiles in the Global 4D Printing Market including 3D Systems Corporation, ABB Group, ARC Centre of Excellence for Electromaterials Science (ACES), Autodesk Inc., Cheers Interactive Private Limited, CT CoreTechnologie Group, Dassault Systemes SA, EnvisionTEC, Inc., Exone Co., Hewlett-Packard Inc., Massachusetts Institute of Technology, Materialise NV, Merck KGaA, Organovo Holdings Inc., Sculpteo, SPI Lasers Limited, Stratasys Ltd., and The ExOne Company.

#### Cumulative Impact of COVID-19:

COVID-19 is an incomparable global public health emergency that has affected almost every industry, so far and, the long-term effects projected to impact the industry growth during the forecast period. Our ongoing research amplifies our research framework to ensure the inclusion of underlying COVID-19 issues and potential paths forward. The report is delivering insights on COVID-19 considering the changes in consumer behavior and demand, purchasing patterns, re-routing of the supply chain, dynamics of current market forces, and the significant interventions of governments. The updated study provides insights, analysis, estimations, and forecast, considering the COVID-19 impact on the market.

#### 360iResearch FPNV Positioning Matrix:

The 360iResearch FPNV Positioning Matrix evaluates and categorizes the vendors in the 4D Printing Market on the basis of Business Strategy (Business Growth, Industry Coverage, Financial Viability, and Channel Support) and Product Satisfaction (Value for

Money, Ease of Use, Product Features, and Customer Support) that aids businesses in better decision making and understanding the competitive landscape.

360iResearch Competitive Strategic Window:

The 360iResearch Competitive Strategic Window analyses the competitive landscape in terms of markets, applications, and geographies. The 360iResearch Competitive Strategic Window helps the vendor define an alignment or fit between their capabilities and opportunities for future growth prospects. During a forecast period, it defines the optimal or favorable fit for the vendors to adopt successive merger and acquisition strategies, geography expansion, research & development, and new product introduction strategies to execute further business expansion and growth.

The report provides insights on the following pointers:

1. **Market Penetration:** Provides comprehensive information on the market offered by the key players
2. **Market Development:** Provides in-depth information about lucrative emerging markets and analyzes the markets
3. **Market Diversification:** Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. **Competitive Assessment & Intelligence:** Provides an exhaustive assessment of market shares, strategies, products, and manufacturing capabilities of the leading players
5. **Product Development & Innovation:** Provides intelligent insights on future technologies, R&D activities, and new product developments

The report answers questions such as:

1. What is the market size and forecast of the Global 4D Printing Market?
2. What are the inhibiting factors and impact of COVID-19 shaping the Global 4D Printing Market during the forecast period?
3. Which are the products/segments/applications/areas to invest in over the forecast period in the Global 4D Printing Market?
4. What is the competitive strategic window for opportunities in the Global 4D Printing Market?
5. What are the technology trends and regulatory frameworks in the Global 4D Printing Market?
6. What are the modes and strategic moves considered suitable for entering the Global 4D Printing Market?

## Contents

### 1. PREFACE

- 1.1. Objectives of the Study
- 1.2. Market Segmentation & Coverage
- 1.3. Years Considered for the Study
- 1.4. Currency & Pricing
- 1.5. Language
- 1.6. Limitations
- 1.7. Stakeholders

### 2. RESEARCH METHODOLOGY

- 2.1. Research Process
  - 2.1.1. Define: Research Objective
  - 2.1.2. Determine: Research Design
  - 2.1.3. Prepare: Research Instrument
  - 2.1.4. Collect: Data Source
  - 2.1.5. Analyze: Data Interpretation
  - 2.1.6. Formulate: Data Verification
  - 2.1.7. Publish: Research Report
  - 2.1.8. Repeat: Report Update
- 2.2. Research Execution
  - 2.2.1. Initiation: Research Process
  - 2.2.2. Planning: Develop Research Plan
  - 2.2.3. Execution: Conduct Research
  - 2.2.4. Verification: Finding & Analysis
  - 2.2.5. Publication: Research Report
- 2.3. Research Outcome

### 3. EXECUTIVE SUMMARY

- 3.1. Introduction
- 3.2. Market Outlook
- 3.3. Material Outlook
- 3.4. End User Outlook
- 3.5. Geography Outlook
- 3.6. Competitor Outlook

## **4. MARKET OVERVIEW**

- 4.1. Introduction
- 4.2. Cumulative Impact of COVID-19

## **5. MARKET INSIGHTS**

### 5.1. Market Dynamics

#### 5.1.1. Drivers

- 5.1.1.1. Demand for reduction in manufacturing and process cost
- 5.1.1.2. Growing demand for innovation in several 3D printing applications
- 5.1.1.3. Research areas currently in focus with respect to 4D printing such as smart material and equipment design

#### 5.1.2. Restraints

- 5.1.2.1. High cost of developing the technology

#### 5.1.3. Opportunities

- 5.1.3.1. Rising need for flexible objects in various applications including self-folding packaging, adaptive wind turbines

- 5.1.3.2. Development towards the meta-material structure

#### 5.1.4. Challenges

- 5.1.4.1. Compliance with stringent regulatory standards

### 5.2. Porters Five Forces Analysis

- 5.2.1. Threat of New Entrants
- 5.2.2. Threat of Substitutes
- 5.2.3. Bargaining Power of Customers
- 5.2.4. Bargaining Power of Suppliers
- 5.2.5. Industry Rivalry

## **6. GLOBAL 4D PRINTING MARKET, BY MATERIAL**

- 6.1. Introduction
- 6.2. Programmable Biomaterial
- 6.3. Programmable Carbon Fiber
- 6.4. Programmable Textiles
- 6.5. Programmable Wood

## **7. GLOBAL 4D PRINTING MARKET, BY END USER**

- 7.1. Introduction
- 7.2. Aerospace & Defense
- 7.3. Automotive
- 7.4. Clothing
- 7.5. Construction
- 7.6. Healthcare

## **8. AMERICAS 4D PRINTING MARKET**

- 8.1. Introduction
- 8.2. Argentina
- 8.3. Brazil
- 8.4. Canada
- 8.5. Mexico
- 8.6. United States

## **9. ASIA-PACIFIC 4D PRINTING MARKET**

- 9.1. Introduction
- 9.2. Australia
- 9.3. China
- 9.4. India
- 9.5. Indonesia
- 9.6. Japan
- 9.7. Malaysia
- 9.8. Philippines
- 9.9. South Korea
- 9.10. Thailand

## **10. EUROPE, MIDDLE EAST & AFRICA 4D PRINTING MARKET**

- 10.1. Introduction
- 10.2. France
- 10.3. Germany
- 10.4. Italy
- 10.5. Netherlands
- 10.6. Qatar
- 10.7. Russia
- 10.8. Saudi Arabia

- 10.9. South Africa
- 10.10. Spain
- 10.11. United Arab Emirates
- 10.12. United Kingdom

## **11. COMPETITIVE LANDSCAPE**

- 11.1. FPNV Positioning Matrix
  - 11.1.1. Quadrants
  - 11.1.2. Business Strategy
  - 11.1.3. Product Satisfaction
- 11.2. Market Ranking Analysis
- 11.3. Market Share Analysis
- 11.4. Competitor SWOT Analysis
- 11.5. Competitive Scenario
  - 11.5.1. Merger & Acquisition
  - 11.5.2. Agreement, Collaboration, & Partnership
  - 11.5.3. New Product Launch & Enhancement
  - 11.5.4. Investment & Funding
  - 11.5.5. Award, Recognition, & Expansion

## **12. COMPANY USABILITY PROFILES**

- 12.1. 3D Systems Corporation
- 12.2. ABB Group
- 12.3. ARC Centre of Excellence for Electromaterials Science (ACES)
- 12.4. Autodesk Inc.
- 12.5. Cheers Interactive Private Limited
- 12.6. CT CoreTechnologie Group
- 12.7. Dassault Systemes SA
- 12.8. EnvisionTEC, Inc.
- 12.9. Exone Co.
- 12.10. Hewlett-Packard Inc.
- 12.11. Massachusetts Institute of Technology
- 12.12. Materialise NV
- 12.13. Merck KGaA
- 12.14. Organovo Holdings Inc.
- 12.15. Sculpteo
- 12.16. SPI Lasers Limited

12.17. Stratasys Ltd.

12.18. The ExOne Company

### **13. APPENDIX**

13.1. Discussion Guide

13.2. License & Pricing



## List Of Tables

### LIST OF TABLES

TABLE 1. CURRENCY CONVERSION RATES

TABLE 2. GLOBAL 4D PRINTING MARKET SIZE, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 3. GLOBAL 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 4. GLOBAL 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 5. GLOBAL 4D PRINTING MARKET SIZE, BY PROGRAMMABLE  
BIOMATERIAL, BY GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 6. GLOBAL 4D PRINTING MARKET SIZE, BY PROGRAMMABLE CARBON  
FIBER, BY GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 7. GLOBAL 4D PRINTING MARKET SIZE, BY PROGRAMMABLE TEXTILES,  
BY GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 8. GLOBAL 4D PRINTING MARKET SIZE, BY PROGRAMMABLE WOOD, BY  
GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 9. GLOBAL 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 10. GLOBAL 4D PRINTING MARKET SIZE, BY AEROSPACE & DEFENSE, BY  
GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 11. GLOBAL 4D PRINTING MARKET SIZE, BY AUTOMOTIVE, BY  
GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 12. GLOBAL 4D PRINTING MARKET SIZE, BY CLOTHING, BY GEOGRAPHY,  
2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 13. GLOBAL 4D PRINTING MARKET SIZE, BY CONSTRUCTION, BY  
GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 14. GLOBAL 4D PRINTING MARKET SIZE, BY HEALTHCARE, BY  
GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 15. AMERICAS 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 16. AMERICAS 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 17. AMERICAS 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 18. ARGENTINA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 19. ARGENTINA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 20. BRAZIL 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 21. BRAZIL 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 22. CANADA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 23. CANADA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 24. MEXICO 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 25. MEXICO 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 26. UNITED STATES 4D PRINTING MARKET SIZE, BY MATERIAL ,  
2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 27. UNITED STATES 4D PRINTING MARKET SIZE, BY END USER,  
2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 28. ASIA-PACIFIC 4D PRINTING MARKET SIZE, BY GEOGRAPHY,  
2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 29. ASIA-PACIFIC 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 30. ASIA-PACIFIC 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 31. AUSTRALIA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 32. AUSTRALIA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 33. CHINA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 34. CHINA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 35. INDIA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 36. INDIA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 37. INDONESIA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 38. INDONESIA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 39. JAPAN 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 40. JAPAN 4D PRINTING MARKET SIZE, BY END USER, 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 41. MALAYSIA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 42. MALAYSIA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 43. PHILIPPINES 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 44. PHILIPPINES 4D PRINTING MARKET SIZE, BY END USER, 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 45. SOUTH KOREA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 46. SOUTH KOREA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 47. THAILAND 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 48. THAILAND 4D PRINTING MARKET SIZE, BY END USER, 2018-2025

(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 49. EUROPE, MIDDLE EAST & AFRICA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 50. EUROPE, MIDDLE EAST & AFRICA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 51. EUROPE, MIDDLE EAST & AFRICA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 52. FRANCE 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 53. FRANCE 4D PRINTING MARKET SIZE, BY END USER, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 54. GERMANY 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 55. GERMANY 4D PRINTING MARKET SIZE, BY END USER, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 56. ITALY 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 57. ITALY 4D PRINTING MARKET SIZE, BY END USER, 2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 58. NETHERLANDS 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 59. NETHERLANDS 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 60. QATAR 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 61. QATAR 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 62. RUSSIA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 63. RUSSIA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 64. SAUDI ARABIA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 65. SAUDI ARABIA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 66. SOUTH AFRICA 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 67. SOUTH AFRICA 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 68. SPAIN 4D PRINTING MARKET SIZE, BY MATERIAL , 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 69. SPAIN 4D PRINTING MARKET SIZE, BY END USER, 2018-2025  
(USD/EUR/GBP/JPY/AUD MILLION)

TABLE 70. UNITED ARAB EMIRATES 4D PRINTING MARKET SIZE, BY MATERIAL ,  
2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 71. UNITED ARAB EMIRATES 4D PRINTING MARKET SIZE, BY END USER,  
2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 72. UNITED KINGDOM 4D PRINTING MARKET SIZE, BY MATERIAL ,  
2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 73. UNITED KINGDOM 4D PRINTING MARKET SIZE, BY END USER,  
2018-2025 (USD/EUR/GBP/JPY/AUD MILLION)

TABLE 74. GLOBAL 4D PRINTING MARKET: SCORES

TABLE 75. GLOBAL 4D PRINTING MARKET: BUSINESS STRATEGY

TABLE 76. GLOBAL 4D PRINTING MARKET: PRODUCT SATISFACTION

TABLE 77. GLOBAL 4D PRINTING MARKET: RANKING

TABLE 78. GLOBAL 4D PRINTING MARKET: MERGER & ACQUISITION

TABLE 79. GLOBAL 4D PRINTING MARKET: AGREEMENT, COLLABORATION, &  
PARTNERSHIP

TABLE 80. GLOBAL 4D PRINTING MARKET: NEW PRODUCT LAUNCH & ENHANCEMENT

TABLE 81. GLOBAL 4D PRINTING MARKET: INVESTMENT & FUNDING

TABLE 82. GLOBAL 4D PRINTING MARKET: AWARD, RECOGNITION, & EXPANSION

TABLE 83. GLOBAL 4D PRINTING MARKET: LICENSE & PRICING

## List Of Figures

### LIST OF FIGURES

FIGURE 1. GLOBAL 4D PRINTING MARKET: RESEARCH PROCESS

FIGURE 2. GLOBAL 4D PRINTING MARKET: RESEARCH EXECUTION

FIGURE 3. GLOBAL 4D PRINTING MARKET SIZE, 2020 VS 2025 (USD MILLION)

FIGURE 4. GLOBAL 4D PRINTING MARKET SIZE, BY MATERIAL , 2020 (USD MILLION)

FIGURE 5. GLOBAL 4D PRINTING MARKET SIZE, BY END USER, 2020 (USD MILLION)

FIGURE 6. GLOBAL 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 (USD MILLION)

FIGURE 7. GLOBAL 4D PRINTING MARKET SIZE, 2018-2025 (USD MILLION)

FIGURE 8. GLOBAL 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 VS 2025 (%)

FIGURE 9. GLOBAL 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 VS 2025 (USD MILLION)

FIGURE 10. COMPETITIVE STRATEGIC WINDOW FOR GLOBAL 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2025

FIGURE 11. GLOBAL 4D PRINTING MARKET: MARKET DYNAMICS

FIGURE 12. GLOBAL 4D PRINTING MARKET: PORTERS FIVE FORCES ANALYSIS

FIGURE 13. GLOBAL 4D PRINTING MARKET SIZE, BY MATERIAL , 2020 VS 2025 (%)

FIGURE 14. GLOBAL 4D PRINTING MARKET SIZE, BY MATERIAL , 2020 VS 2025 (USD MILLION)

FIGURE 15. COMPETITIVE STRATEGIC WINDOW FOR GLOBAL 4D PRINTING MARKET SIZE, BY MATERIAL , 2025

FIGURE 16. GLOBAL 4D PRINTING MARKET SIZE, BY PROGRAMMABLE BIOMATERIAL, 2020 VS 2025 (USD MILLION)

FIGURE 17. GLOBAL 4D PRINTING MARKET SIZE, BY PROGRAMMABLE CARBON FIBER, 2020 VS 2025 (USD MILLION)

FIGURE 18. GLOBAL 4D PRINTING MARKET SIZE, BY PROGRAMMABLE TEXTILES, 2020 VS 2025 (USD MILLION)

FIGURE 19. GLOBAL 4D PRINTING MARKET SIZE, BY PROGRAMMABLE WOOD, 2020 VS 2025 (USD MILLION)

FIGURE 20. GLOBAL 4D PRINTING MARKET SIZE, BY END USER, 2020 VS 2025 (%)

FIGURE 21. GLOBAL 4D PRINTING MARKET SIZE, BY END USER, 2020 VS 2025

(USD MILLION)

FIGURE 22. COMPETITIVE STRATEGIC WINDOW FOR GLOBAL 4D PRINTING MARKET SIZE, BY END USER, 2025

FIGURE 23. GLOBAL 4D PRINTING MARKET SIZE, BY AEROSPACE & DEFENSE, 2020 VS 2025 (USD MILLION)

FIGURE 24. GLOBAL 4D PRINTING MARKET SIZE, BY AUTOMOTIVE, 2020 VS 2025 (USD MILLION)

FIGURE 25. GLOBAL 4D PRINTING MARKET SIZE, BY CLOTHING, 2020 VS 2025 (USD MILLION)

FIGURE 26. GLOBAL 4D PRINTING MARKET SIZE, BY CONSTRUCTION, 2020 VS 2025 (USD MILLION)

FIGURE 27. GLOBAL 4D PRINTING MARKET SIZE, BY HEALTHCARE, 2020 VS 2025 (USD MILLION)

FIGURE 28. AMERICAS 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 VS 2025 (%)

FIGURE 29. AMERICAS 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 VS 2025 (USD MILLION)

FIGURE 30. COMPETITIVE STRATEGIC WINDOW FOR AMERICAS 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2025

FIGURE 31. ARGENTINA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 32. BRAZIL 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 33. CANADA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 34. MEXICO 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 35. UNITED STATES 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 36. ASIA-PACIFIC 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 VS 2025 (%)

FIGURE 37. ASIA-PACIFIC 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 VS 2025 (USD MILLION)

FIGURE 38. COMPETITIVE STRATEGIC WINDOW FOR ASIA-PACIFIC 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2025

FIGURE 39. AUSTRALIA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 40. CHINA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 41. INDIA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 42. INDONESIA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 43. JAPAN 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 44. MALAYSIA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 45. PHILIPPINES 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 46. SOUTH KOREA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 47. THAILAND 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 48. EUROPE, MIDDLE EAST & AFRICA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 VS 2025 (%)

FIGURE 49. EUROPE, MIDDLE EAST & AFRICA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2020 VS 2025 (USD MILLION)

FIGURE 50. COMPETITIVE STRATEGIC WINDOW FOR EUROPE, MIDDLE EAST & AFRICA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2025

FIGURE 51. FRANCE 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 52. GERMANY 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 53. ITALY 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 54. NETHERLANDS 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 55. QATAR 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 56. RUSSIA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 57. SAUDI ARABIA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 58. SOUTH AFRICA 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 59. SPAIN 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 60. UNITED ARAB EMIRATES 4D PRINTING MARKET SIZE, BY



GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 61. UNITED KINGDOM 4D PRINTING MARKET SIZE, BY GEOGRAPHY, 2018-2025 (USD MILLION)

FIGURE 62. GLOBAL 4D PRINTING MARKET: 360IRESEARCH FPNV POSITIONING MATRIX

FIGURE 63. GLOBAL 4D PRINTING MARKET: 360IRESEARCH MARKET SHARE ANALYSIS

FIGURE 64. GLOBAL 4D PRINTING MARKET: COMPETITOR SWOT ANALYSIS

FIGURE 65. COMPETITIVE SCENARIO ANALYSIS IN GLOBAL 4D PRINTING MARKET, BY TYPE

## I would like to order

Product name: 4D Printing Market Research Report by Material (Programmable Biomaterial, Programmable Carbon Fiber, Programmable Textiles, and Programmable Wood), by End User (Aerospace & Defense, Automotive, Clothing, Construction, and Healthcare) - Global Forecast to 2025 - Cumulative Impact of COVID-19

Product link: <https://marketpublishers.com/r/4E8E83CD0135EN.html>

Price: US\$ 3,949.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/4E8E83CD0135EN.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