

# **Global 3D-Printed Composites Market by Composite Type (Continuous and Discontinuous), by Reinforcement Type (Carbon Fiber, Glass Fiber, and Others), by End-Use Industry Type (Aerospace & Defense, Transportation, Medical, Consumer Goods, and Others), by Technology Type (Extrusion, Powder Bed Fusion, and Others), and by Region (North America, Europe, and Rest of the World), Forecast, Competitive Analysis, and Growth Opportunity: 2017-2022**

<https://marketpublishers.com/r/G886F3498E1EN.html>

Date: June 2017

Pages: 148

Price: US\$ 4,790.00 (Single User License)

ID: G886F3498E1EN

## **Abstracts**

This is the ONGOING report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the 3D-Printed composites market over the period 2017 to 2022. The report provides detailed insights into the market dynamics to enable informed business decision-making and growth strategy formulation based on the opportunities in the market.

### **The Global 3D-Printed Composites Market: Highlights**

The global 3D-Printed composites market is projected to reach US\$ 111.1 million in 2022. In the composites industry, 3D printing technology is relatively new and unheralded, but it has now got successful in gaining ground, driven by an advancement in the 3D printing technologies, low part cycle time, an efficient process, compatibility with all possible material combinations, lower material wastage, and an organic growth

of composite materials in the different industries.

### 3D-Printed Composites Market

Currently, most of the composite parts are fabricated through labor-intensive manufacturing processes, such as hand layup, which place this versatile material behind in the race compared with other competing materials in the mass-produced applications. Over the past two decades, composites industry has experienced a sheer transformation in the development of manufacturing process in terms of automation; however, end-use industries, such as automotive, are still demanding further reduction in the overall cycle time of finished parts. At the same time, they are also looking for such a process which curtails wastage during production. Here, 3D printing plays a vital role in delivering the customers' expectation by making parts in lesser time with reduced wastage.

The global 3D-Printed composites market is segmented based on composite type as continuous fibers and discontinuous fibers. The continuous fiber is projected to remain the most preferred composite type for 3D printing during the forecast period of 2017 to 2022. Discontinuous fiber-based composite is also gaining market traction because of its higher strength.

The global 3D-Printed composites market is segmented based on reinforcement type as carbon fiber composites, glass fiber composites, and other composites. Carbon fiber is projected to remain the largest reinforcement type in the global 3D-printed composites market during the forecast period. This fiber type is also likely to witness the highest growth during the same period. Carbon fiber offers a wide array of advantages over competing materials, such as lightweight, higher strength and stiffness, and exceptional fatigue and corrosion resistance. The penetration of carbon fiber is incessantly increasing owing to its excellent properties and external market factors. High demand for lightweight components in the structural applications for improving fuel efficiency or reducing carbon emissions is the leading growth driver of the increased demand for carbon fibers in major industries, such as aerospace & defense and automotive.

The global 3D-Printed composites market is segmented based on technology type as extrusion, powder bed fusion, and others. The extrusion is expected to remain the most dominant technology for the fabrication of 3D-printed composite parts during the forecast period; however, powder bed infusion technology is estimated to grow at the highest rate during the same period.

North America is projected to remain the most dominant 3D-printed composites market during the forecast period. The region is also the largest manufacturer of the advanced composites globally. Additionally, many ongoing R&D projects favor the growth of 3D-printed composite parts in this region. Europe is likely to remain the second largest market for 3D-printed composite parts during the same period.

Stratasys Ltd., 3D Systems Corporation, Arevo Labs, MarkForged, Inc., Cincinnati Incorporated, Graphite Additive Manufacturing Limited, EnvisionTEC, and CRP Group are some of the well-known 3D printing research labs offering 3D-printed composite parts in the market. Development of an advanced technology, collaboration among composite stakeholders including 3D printers, and development of new applications are some of the key strategies adopted by major players to gain a competitive edge in the market.

### Research Methodology

This report offers high-quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 500 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. We usually conduct about 10 detailed primary interviews with the market players across the value chain in all the four regions and with industry experts to obtain both the qualitative and quantitative insights.

### Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis

Market forecast analysis

Market segment forecast

Competitive landscape and dynamics: Market share, Product portfolio, Product launches, etc.

Attractive market segments and associated growth opportunities

Emerging trends

Strategic growth opportunities for the existing and new players

Key success factors

The global 3D-Printed composites market is segmented into the following categories.

Global 3D-Printed Composites Market by End-Use Industry Type:

Aerospace & Defense

Transportation

Medical

Consumer Goods

Others

Global 3D-Printed Composites Market by Composite Type:

Continuous Fiber

Discontinuous Fiber

Global 3D-Printed Composites Market by Reinforcement Type:

*Global 3D-Printed Composites Market by Composite Type (Continuous and Discontinuous), by Reinforcement Type (C...*

Carbon Fiber Composites

Glass Fiber Composites

Other Composites

Global 3D-Printed Composites Market by Technology Type:

Extrusion Process

Powder Bed Fusion

Others

Global 3D-Printed Composites Market by Region:

North America

Europe

Rest of the world

Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

Company Profiling

Detailed profiling of additional market players (up to 3 players)

SWOT analysis of key players (up to 3 players)

Market Segmentation

Current market segmentation of any one of the end-use industry type by composite type

Competitive Benchmarking

Benchmarking of key players on the following parameters: Product portfolio, geographical reach, regional presence, and strategic alliances

Custom Research: Stratview Research offers custom research services across sectors. In the case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your inquiry at [sales@stratviewresearch.com](mailto:sales@stratviewresearch.com)

## Contents

### **1. EXECUTIVE SUMMARY**

### **2. GLOBAL 3D-PRINTED COMPOSITES MARKET: OVERVIEW AND MARKET FORCES**

#### 2.1. Introduction

#### 2.2. Market Classification

##### 2.2.1. By Composites Type

##### 2.2.2. By Reinforcement Type

##### 2.2.3. By End-Use Industry Type

##### 2.2.4. By Technology Type

##### 2.2.5. By Region

#### 2.3. Market Drivers

#### 2.4. Market Constraints

#### 2.5. Supply Chain Analysis

#### 2.6. Industry Life Cycle Analysis

#### 2.7. PEST Analysis: Impact Assessment of Changing Business Environment

#### 2.8. Porter's Five Forces Analysis

##### 2.8.1. Bargaining Power of Suppliers

##### 2.8.2. Bargaining Power of Customers

##### 2.8.3. Threat of New Entrants

##### 2.8.4. Threat of Substitutes

##### 2.8.5. Competitive Rivalry

#### 2.9. SWOT Analysis

### **3. GLOBAL 3D-PRINTED COMPOSITES MARKET – BY END-USE INDUSTRY TYPE**

#### 3.1. Strategic Insights

#### 3.2. Aerospace & Defense: 3D-Printed Composites Market Forecast (US\$ Million)

#### 3.3. Transportation: 3D-Printed Composites Market Forecast (US\$ Million)

#### 3.4. Medical: 3D-Printed Composites Market Forecast (US\$ Million)

#### 3.5. Consumer Goods: 3D-Printed Composites Market Forecast (US\$ Million)

#### 3.6. Others: 3D-Printed Composites Market Forecast (US\$ Million)

### **4. GLOBAL 3D-PRINTED COMPOSITES MARKET – BY COMPOSITE TYPE**

#### 4.1. Strategic Insights

- 4.2. Continuous Fiber: 3D-Printed Composites Market Forecast (US\$ Million)
- 4.3. Discontinuous Fiber: 3D-Printed Composites Market Forecast (US\$ Million)

## **5. GLOBAL 3D-PRINTED COMPOSITES MARKET – BY REINFORCEMENT TYPE**

- 5.1. Strategic Insights
- 5.2. Carbon Fiber Composites: 3D-Printed Composites Market Forecast (US\$ Million)
- 5.3. Glass Fiber Composites: 3D-Printed Composites Market Forecast (US\$ Million)
- 5.4. Other Composites: 3D-Printed Composites Market Forecast (US\$ Million)

## **6. GLOBAL 3D-PRINTED COMPOSITES MARKET – BY TECHNOLOGY TYPE**

- 6.1. Strategic Insights
- 6.2. Extrusion-based 3D-Printed Composites Market Forecast (US\$ Million)
- 6.3. Powder Bed Fusion-based 3D-Printed Composites Market Forecast (US\$ Million)
- 6.4. Other Technologies-based 3D-Printed Composites Market Forecast (US\$ Million)

## **7. GLOBAL 3D-PRINTED COMPOSITES MARKET – BY REGION**

- 7.1. Strategic Insights
- 7.2. North American 3D-Printed Composites Market Forecast (US\$ Million)
- 7.3. European 3D-Printed Composites Market Forecast (US\$ Million)
- 7.4. Rest of the World's (RoW) 3D-Printed Composites Market Forecast (US\$ Million)

## **8. COMPETITIVE ANALYSIS**

- 8.1. Strategic Insights
- 8.2. Product Portfolio Analysis
- 8.3. Presence by End-Use Industry Type
- 8.4. Geographical Presence
- 8.5. New Product Launches
- 8.6. Strategic Alliances: Mergers and Acquisitions, Joint Ventures, Collaborations, etc.
- 8.7. Market Share Analysis

## **9. STRATEGIC GROWTH OPPORTUNITIES**

- 9.1. Strategic Insights
- 9.2. Market Attractive Analysis
  - 9.2.1. Market Attractiveness by End-Use Industry Type



- 9.2.2. Market Attractiveness by Composite Type
- 9.2.3. Market Attractiveness by Reinforcement Type
- 9.2.4. Market Attractiveness by Technology Type
- 9.2.5. Market Attractiveness by Region
- 9.3. Emerging Trends
- 9.4. Growth Matrix Analysis
- 9.5. Key Success Factors

## **10. COMPANY PROFILE OF KEY PLAYERS**

- 10.1. 3D Systems Corporation
- 10.2. Arevo Labs
- 10.3. Cincinnati Incorporated
- 10.4. Cosine Additive, Inc.
- 10.5. CRP Group
- 10.6. Graphite Additive Manufacturing Limited
- 10.7. MarkForged, Inc.
- 10.8. Oxford Performance Materials, Inc.
- 10.9. Stratasys, Ltd.

## I would like to order

Product name: Global 3D-Printed Composites Market by Composite Type (Continuous and Discontinuous), by Reinforcement Type (Carbon Fiber, Glass Fiber, and Others), by End-Use Industry Type (Aerospace & Defense, Transportation, Medical, Consumer Goods, and Others), by Technology Type (Extrusion, Powder Bed Fusion, and Others), and by Region (North America, Europe, and Rest of the World), Forecast, Competitive Analysis, and Growth Opportunity: 2017-2022

Product link: <https://marketpublishers.com/r/G886F3498E1EN.html>

Price: US\$ 4,790.00 (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/G886F3498E1EN.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