

# 3D Printing Services Market - Global Outlook and Forecast 2017-2022

<https://marketpublishers.com/r/3C3B691A954EN.html>

Date: October 2017

Pages: 158

Price: US\$ 3,500.00 (Single User License)

ID: 3C3B691A954EN

## Abstracts

3D Systems, Stratasys, Materialise, and Proto Labs are the leading players in the global 3D printing services market. The market is expected to cross \$13billion by 2022, growing at a CAGR of more than 28% during 2016–2022.

The healthcare segment is expected to be the fastest growing segment and aerospace and defense will remain the dominant segment in terms of end-user. Similarly, in terms of service offerings, the tooling and part production segment is going to be the major segment by having the maximum market share. North America to remain the largest market followed by Europe.

### Report Timeline

Base Year: 2016

Forecast Year: 2017–2022

## SCOPE OF THE REPORT

The study considers the present scenario of the global 3D printing services market and its market dynamics for the period 2017–2022. It covers a detailed overview of various market growth enablers, restraints and trends. The study covers both the demand and supply sides of the market. It also profiles and analyzes the leading four companies and various other prominent companies operating in the market.

The report provides the analysis of the key segments of the market by technology, end-

user, services, geography, and vendors. It provides a detailed analysis of revenue from various segments:

### Technology Types

Extrusion

Jetting

Power bed fusion

Vat photopolymerization

Stereolithography (SLA)

Continuous liquid interface production (CLIP)

Digital light processing (DLP)

Others

### Services Offerings

Tooling and parts production

Rapid prototyping

Software services

System maintenance

Expert services

### End-users

Industrial machinery

Aerospace and defense

Healthcare

Automotive

Consumer products

Others

## Geography

APAC

Europe

North America

ROW

The 3D printing services market comprise services rendered by 3D printing service providers to companies in the form of rapid prototyping; 3D printed parts and components produced on 3D printers; software services such as software updates and upgrades; system maintenance contracts; training; contract research; and consulting services.

With the growing adoption of 3D printing technology in the manufacturing industry, the production process will change fundamentally in the new future. Rise of Manufacturing-as-a-Service (MaaS), reduction of waste and resource improvement are among the few notable transformations that this printing technology offers, which in return will boost the market. The market is expected to cross \$13 billion, growing at a CAGR more than 28% during 2016–2022.

The report provides a holistic view of the global market, the companies involved in the market, and the factors driving its growth. It also provides information on some of the latest trends that have started to surface and are likely to become strong market driving forces over the next five years. This report also provides the Porter's Five Forces

analysis along with a description of each force and its impact on the market. Further, the report also provides complete value chain analysis of the global market.

### 3D Printing Services Market: Key Vendor Analysis

International players are likely to grow inorganically by acquiring regional or local players

The competitive scenario in the global market is intensifying. The rapidly changing technological environment could adversely affect vendors as end-users expect continual innovations and upgrades.

Major vendors profiled in the report are 3D Systems, Stratasys, Materialise and Proto Labs.

Other vendors include ARC Group Worldwide, Arcam (GE), Carbon, Concept Laser (GE), Cookson Precious Metals, EnvisionTEC, GE Additive, Groupe Gorgé, Höganäs, HP, Markforged, Mcor Technologies, Optomec, ReaLizer, Renishaw, SLM Solutions Group, The ExOne Company, Voxeljet.

### 3D Printing Services Market Dynamics

Increasing vertical applications of 3D printing to drive the growth

The growth in 3D printing service outsourcing, increased investment in the printing domain, and high influence of internet on service revenue generation are the key factors that are going to drive the market growth during the forecast period. The emergence of cloud-based 3D printing service providers, increased vertical applications, and improved market consolidation are among the latest trends that are going to drive the market. The report also outlines the upcoming challenges the market is going to face during the forecast period. It also includes Porter's Five Force analysis and its impact on the market.

### 3D Printing Services Market: Segmental Overview

Healthcare is the fastest growing segment.

The market is dominated by the extrusion segment and is witnessing increased demand from the manufacturing industry in developed countries such as the US and Germany.

The extrusion segment was followed by the vat photopolymerization segment. Vat photopolymerization is one of the oldest technology used in the 3D printing services market, and the segment is witnessing growth as the demand for 3D printers is surging globally. The adoption of the advanced printing technology in the aerospace industry is growing, and the market is likely to witness the maximum contribution from the segment in 2022. The consumer products segment was followed by the aerospace and defense segment which accounted for 16.96% market share in 2016. The healthcare segment is expected to be the fastest growing segment of the 3D printing services market during the forecast period as new innovations in 3D printing technology are making their way into various healthcare sectors.

### 3D Printing Services Market: Geographical Analysis

North America to be the largest market

Globally, North America is the largest market for industrial automation, and the market is growing rapidly. This is expected to drive the demand for 3D printing services in the region. Europe, which was the second largest market for 3D printing services, was led by Germany, the UK, and Italy, where 3D printer penetration is more and the sale of these devices is high. The automotive and healthcare industries are driving the demand for 3D printing services in the region. APAC and MEA are also going to witness a surge in the growth of the market.

## Contents

### **1 RESEARCH METHODOLOGY**

### **2 RESEARCH OBJECTIVES**

### **3 RESEARCH PROCESS**

### **4 REPORT COVERAGE**

#### 4.1 Market Definition

#### 4.2 Base Year

#### 4.3 Scope of Study

##### 4.3.1 Market Segmentation by Technology Type

##### 4.3.2 Market Segmentation by Service Offerings

##### 4.3.3 Market Segmentation by End-user Type

##### 4.3.4 Market Segmentation by Geography

### **5 REPORT ASSUMPTIONS & CAVEATS**

#### 5.1.1 Inclusions

#### 5.1.2 Exclusions

#### 5.2 Currency Conversion rate

#### 5.3 Market Derivation

### **6 MARKET AT A GLANCE**

### **7 INTRODUCTION**

#### 7.1 Introduction

#### 7.2 Advantages of 3D Printing

#### 7.3 Macroeconomic Factors Driving Market Growth

##### 7.3.1 Per Capita GDP in Developing Markets

##### 7.3.2 Dual-income Households in Developed Markets

### **8 MARKET DYNAMICS**

#### 8.1 Market Growth Enablers

##### 8.1.1 Growth in 3D Printing Service Outsourcing

- 8.1.2 Increased Investment in 3D Printing Domain
- 8.1.3 High Influence of Internet on Service Revenue Generation
- 8.1.4 YOY Impact of Market Growth Enablers
- 8.1.5 YOY Impact of Market Growth Enablers on Geographies
- 8.2 Market Growth Restraint
  - 8.2.1 High Cost of Industrial 3D Printers
  - 8.2.2 Volatility in Costs of 3D Printing Consumables
  - 8.2.3 Lack of Skillset and High Production Time
  - 8.2.4 YOY Impact of Market Restraints
  - 8.2.5 YOY Impact of Market Restraints on Geographies
- 8.3 Market Opportunities & Trends
  - 8.3.1 Emergence of Cloud-based 3D Printing Service Providers
  - 8.3.2 Increasing Vertical Applications of 3D Printing
  - 8.3.3 Growing Market Consolidation
  - 8.3.4 YOY Impact of Trends and Opportunities
  - 8.3.5 YOY Impact of Trends and Opportunities on Geographies
  - 8.3.6 Sensitivity Analysis of Key Market Trends and Opportunities

## **9 VALUE CHAIN ANALYSIS**

- 9.1 Value Chain of 3D Printing Services Market

## **10 GLOBAL 3D PRINTING SERVICES MARKET**

- 10.1 Historical Data 2014-2015
- 10.2 Market Size and Forecast 2016-2022
- 10.3 Porter's Five Forces Analysis
  - 10.3.1 Threat of New Entrants
  - 10.3.2 Bargaining Power of Suppliers
  - 10.3.3 Bargaining Power of Buyers
  - 10.3.4 Threat of Substitutes
  - 10.3.5 Competitive Rivalry

## **11 3D PRINTING SERVICES MARKET BY TECHNOLOGY**

- 11.1 Market Overview
- 11.2 Market Size and Forecast
  - 11.2.1 Extrusion
  - 11.2.2 Jetting

- 11.2.3 Powder Bed Fusion
- 11.2.4 Vat Photopolymerization
- 11.2.5 Others

## **12 3D PRINTING SERVICES MARKET BY END-USER**

- 12.1 Market Overview
- 12.2 3D Printing Services Market ? Aerospace and Defense Industry
  - 12.2.1 Market Size and Forecast
- 12.3 3D Printing Services Market ? Consumer Products Industry
  - 12.3.1 Market Size and Forecast
- 12.4 3D Printing Services Market ? Automotive Industry
  - 12.4.1 Market Size and Forecast
- 12.5 3D Printing Services Market ? Industrial Machinery Industry
  - 12.5.1 Market Size and Forecast
- 12.6 3D Printing Services Market ? Healthcare Industry
  - 12.6.1 Market Size and Forecast
- 12.7 3D Printing Services Market – Other End-users
  - 12.7.1 Market Size and Forecast

## **13 MARKET SEGMENTATION – BY SERVICE OFFERINGS**

## **14 3D PRINTING SERVICES MARKET BY GEOGRAPHY**

- 14.1 Market Overview

## **15 NORTH AMERICA: 3D PRINTING SERVICES MARKET**

- 15.1 Historical Data 2014?2015
- 15.2 Market Size and Forecast 2016–2022
- 15.3 Key Countries
- 15.4 Leading Trend, Enabler, and Restraint

## **16 EUROPE: 3D PRINTING SERVICES MARKET**

- 16.1 Historical Data 2014?2015
- 16.2 Market Size and Forecast 2016–2022
- 16.3 Key Countries
- 16.4 Leading Trend, Enabler, and Restraint



## **17 APAC: 3D PRINTING SERVICES MARKET**

- 17.1 Historical Data 2014-2015
- 17.2 Market Size and Forecast 2016-2022
- 17.3 Key Countries
- 17.4 Leading Trend, Enabler, and Restraint

## **18 ROW: 3D PRINTING SERVICES MARKET**

- 18.1 Historical Market Size 2014-2015
- 18.2 Market Size and Forecast 2016-2022
- 18.3 Key Countries
- 18.4 Leading Trend, Enabler, and Restraint

## **19 COMPETITIVE LANDSCAPE**

- 19.1 competition overview
- 19.2 Market Structure and Mapping of Competition
  - 19.2.1 Herfindahl-Hirschman Index
- 19.3 Market Share Analysis ? 2016

## **20 KEY COMPANY PROFILES**

- 20.1 3D Systems
  - 20.1.1 Business Overview
  - 20.1.2 Business Segments
  - 20.1.3 3D Systems in 3D Printing Services Market
  - 20.1.4 Major Service Offerings
  - 20.1.5 Key Strategies
  - 20.1.6 Key Strengths
  - 20.1.7 Key Opportunities
- 20.2 Stratasys Ltd.
  - 20.2.1 Business Overview
  - 20.2.2 Business Segments
  - 20.2.3 Stratasys in 3D Printing Services Market
  - 20.2.4 Major Service Offerings
  - 20.2.5 Key Strategies
  - 20.2.6 Key Strengths

20.2.7 Key Opportunities

## 20.3 Materialise

20.3.1 Business Overview

20.3.2 Business Segments

20.3.3 Materialise in 3D Printing Services Market

20.3.4 Major Service Offerings

20.3.5 Key Strategies

20.3.6 Key Strengths

20.3.7 Key Opportunities

## 20.4 Proto Labs

20.4.1 Business Overview

20.4.2 Business Segments

20.4.3 Proto Labs in 3D Printing Services Market

20.4.4 Major Service Offerings

20.4.5 Key Strategies

20.4.6 Key Strengths

20.4.7 Key Opportunities

## **21 OTHER PROMINENT COMPANIES**

### 21.1 3D Hubs

21.1.1 Company Overview

21.1.2 Strategy

### 21.2 ARC Group Worldwide

21.2.1 Company Overview

21.2.2 Strategy

### 21.3 Arcam (GE)

21.3.1 Strategy

### 21.4 Carbon

21.4.1 Company Overview

21.4.2 Strategy

### 21.5 Concept Laser (GE)

21.5.1 Company Overview

21.5.2 Strategy

### 21.6 EnvisionTEC

21.6.1 Company Overview

21.6.2 Strategy

### 21.7 EOS

21.7.1 Company Overview

- 21.7.2 Strategy
- 21.8 GE Additive
  - 21.8.1 Company Overview
  - 21.8.2 Strategy
- 21.9 Groupe Gorgé
  - 21.9.1 Company Overview
  - 21.9.2 Strategy
- 21.10 Höganäs
  - 21.10.1 Company Overview
  - 21.10.2 Strategy
- 21.11 HP
  - 21.11.1 Company Overview
  - 21.11.2 Strategy
- 21.12 Kraftwurz
  - 21.12.1 Company Overview
  - 21.12.2 Strategy
- 21.13 Makexyz
  - 21.13.1 Company Overview
  - 21.13.2 Strategy
- 21.14 Markforged
  - 21.14.1 Company Overview
  - 21.14.2 Strategy
- 21.15 Mcor Technologies
  - 21.15.1 Company Overview
  - 21.15.2 Strategy
- 21.16 Optomec
  - 21.16.1 Company Overview
  - 21.16.2 Strategy
- 21.17 Ponoko
  - 21.17.1 Company Overview
  - 21.17.2 Strategy
- 21.18 ReaLizer
  - 21.18.1 Company Overview
  - 21.18.2 Strategy
- 21.19 Renishaw
  - 21.19.1 Company Overview
  - 21.19.2 Strategy
- 21.2 Sculpteo
  - 21.20.1 Company Overview

- 21.20.2 Strategy
- 21.21 Shapeways
  - 21.21.1 Company Overview
  - 21.21.2 Strategy
- 21.22 SLM Solutions Group
  - 21.22.1 Company Overview
  - 21.22.2 Strategy
- 21.23 The ExOne Company
  - 21.23.1 Company Overview
  - 21.23.2 Strategy
- 21.24 Voxeljet
  - 21.24.1 Company Overview
  - 21.24.2 Strategy
- 21.25 Other Notable Mentions

## **22 REPORT SUMMARY**

- 22.1 Key Takeaways
- 22.2 Strategic Recommendation
- 22.3 Qualitative Summary of Global 3D Printing Services Market
- 22.4 Quantitative Summary of Global 3D Printing Services Market

## **23 APPENDIX**

- 23.1 List of Abbreviations
- List Of Exhibits
  - Exhibit 1 Segmentation of 3D Printing Services Market
  - Exhibit 2 Market Size Calculation Approach 2016
  - Exhibit 3 Overview of 3D Printing Market
  - Exhibit 4 Various 3D printing technologies
  - Exhibit 5 Dual-income Households in US (1970 vs. 2015)
  - Exhibit 6 Growing Web-based Offline Retail Sales 2006-2022
  - Exhibit 7 Increasing Prices of Industrial 3D Printers 2016-2022
  - Exhibit 8 Hot-rolled Steel Price in Western Europe (\$ per metric ton)
  - Exhibit 9 Steel: Global Average Price Fluctuation (% change) 2006-2014
  - Exhibit 10 Sculpteo Cloud-based 3D Printing Services: Schematic Demonstration
  - Exhibit 11 Economic Impact of 3D Printing in Various Industries by 2025 (addressable markets)
  - Exhibit 12 Sensitivity Analysis of Key Market Trends 2016-2022

- Exhibit 13 Value Chain Participants of 3D Printing Market
- Exhibit 14 Global 3D Printing Services Market: Historical Data 2014?2015
- Exhibit 15 Global 3D Printing Services Market 2016?2022 (\$ million)
- Exhibit 16 Vendor Cost Structure and Addressable Market Opportunity with and without 3D Printing
- Exhibit 17 ASP of Desktop 3D Printers 2015?2022 (\$)
- Exhibit 18 Part Manufacturing Cost Comparison: Traditional Molding versus 3D Printing
- Exhibit 19 Challenges Faced by Vendors at Various Stages of 3D Printing
- Exhibit 20 Global Urban and Rural Human Population 1950?2050 (million)
- Exhibit 21 Global 3D Printing Services Market Lucrativeness by Technology 2022
- Exhibit 22 Five Forces Analysis 2016
- Exhibit 23 Overview of Global 3D Printing Services Market
- Exhibit 24 Global 3D Printing Services Market by Technology 2016
- Exhibit 25 Global 3D Printing Services Market by Technology 2016?2022 (%)
- Exhibit 26 Overview of Global 3D Printing Services Market by End-user Industries
- Exhibit 27 Global 3D Printing Services Market by End-user Industries 2016
- Exhibit 28 Global 3D Printing Services Market by End-user Industries: CAGR 2016?2022
- Exhibit 29 3D Printing Services Market by Aerospace and Defense Industry (\$ million)
- Exhibit 30 3D Printing Services Market by Consumer Products Industry 2016?2022 (\$ million)
- Exhibit 31 3D Printing Services Market by Automotive Industry 2016?2022 (\$ million)
- Exhibit 32 3D Printing Services Market by Industrial Machinery Industry (\$ million)
- Exhibit 33 3D Printing Services Market by Healthcare Industry 2016?2022 (\$ million)
- Exhibit 34 3D Printing Services Market by Other End-user Industries 2016?2022 (\$ million)
- Exhibit 35 Global 3D Printing Services Market Lucrativeness by End-user Industries 2022
- Exhibit 36 Overview of Global 3D Printing Services Market by Service Offerings
- Exhibit 37 Global 3D Printing Services Market by Service Offerings 2016
- Exhibit 38 Global 3D Printing Services Market Lucrativeness by Service Offerings 2022
- Exhibit 39 Global 3D Printing Services Market Contribution by Geography
- Exhibit 40 CAGRs of Key Geographies 2016–2022
- Exhibit 41 3D Printing Services Market in North America: Historical Data 2014–2015
- Exhibit 42 Change in US GDP Growth Rate (Q1 2006 ? Q2 2016)
- Exhibit 43 Industrial Production in US July 2015 – June 2017 (percent change)
- Exhibit 44 3D Printing Services Market in North America 2016–2022 (\$ million)
- Exhibit 45 Chemical Production Capacity in US 2012–2022 (percent change YOY)
- Exhibit 46 Annual Saving Ratio of US 2008?2017

- Exhibit 47 3D Printing Services Market in North America by Key Countries 2016
- Exhibit 48 3D Printing Services Market in Europe: Historical Data 2014–2015
- Exhibit 49 3D Printing Services Market in Europe 2016–2022 (\$ million)
- Exhibit 50 3D Printing Services Market in Europe: Share by Key Regions 2016
- Exhibit 51 Industrial Production in Europe 2005–2016 (percent change YOY)
- Exhibit 52 Changes in Per Capita Disposable Income in EU-28 Countries 2006?2015
- Exhibit 53 Annual Saving Ratio of Western European Countries 2008?2017
- Exhibit 54 Change in Annual Household Disposable Income in Europe 2008?2015 (%)
- Exhibit 55 Europe: Key Country Market Share 2016
- Exhibit 56 3D Printing Services Market in APAC: Historical Data 2014–2015
- Exhibit 57 3D Printing Services Market in APAC 2016–2022 (\$ million)
- Exhibit 58 Increase in Urban Population in APAC (Overall Population %) 2005?2045
- Exhibit 59 Gross Domestic Savings of Key Asian Countries 2008?2014 (percentage of income)
- Exhibit 60 Comparison of Southeast Asian Countries with Income Brackets 2010?2025
- Exhibit 61 Urban Households in China: Income Breakup 2010?2020
- Exhibit 62 3D Printing Services Market in APAC by Key Countries 2016
- Exhibit 63 3D Printing Services Market in ROW: Historical Data 2014–2015
- Exhibit 64 3D Printing Services Market in ROW 2016–2022 (\$ million)
- Exhibit 65 3D Printing Services Market in ROW: Key Regions 2016
- Exhibit 66 Overview of Market Concentration by Geography 2016 (as illustrated by HHI)
- Exhibit 67 Global 3D Printing Services Market by Vendor Share 2016
- Exhibit 68 Revenue of 3D Systems by Business Segment FY2016
- Exhibit 69 Revenue of Stratasys by Business Segment FY2016
- Exhibit 70 Revenue of Materialise by Business Segment FY2016
- Exhibit 71 Revenue of Proto Labs by Business Segment FY2016

## List Of Tables

### LIST OF TABLES

Table 1 Key Geographies Definition

Table 2 Key Caveats

Table 3 Currency Conversion 2013-2016

Table 4 Real GDP per Capita Growth in Various Developing Countries 2013–2015

Table 5 YOY Impact of Market Growth Enablers 2016-2022

Table 6 YOY Impact of Market Growth Enablers on Geographies 2016

Table 7 Prices of Select Industrial 3D Printers by Global Manufacturers

Table 8 Prices of Select Industrial 3D Printers Offered by Chinese Vendors

Table 9 Raw Materials Used in 3D Printing

Table 10 YOY Impact of Market Restraint 2016–2022

Table 11 YOY Impact of Market Restraint on Geographies 2016

Table 12 3D Printing Services Market: Key M&As 2013–2017

Table 13 YOY Impact of Trends and Opportunities 2016–2022

Table 14 YOY Impact of Trends and Opportunities on Geographies 2016

Table 15 Global 3D Printing Services Market by Technology 2016-2022 (\$ million)

Table 16 Global 3D Printing Services Market by Service Offerings 2016-2022 (\$ million)

Table 17 3D Printing Services Market in North America by Key Countries 2016-2022 (\$ million)

Table 18 Workplace Fatal Injury Rate in Select European Countries 2013

Table 19 FDI Investment in India by Select Companies

Table 20 3D Systems: Service Offerings

Table 21 Stratasys: Service Offerings

Table 22 Materialise: Service Offerings

Table 23 Proto Labs: Service Offerings

Table 24 Qualitative Summary of Global 3D Printing Services Market

Table 25 Quantitative Summary of Global 3D Printing Services Market by Geography (\$ million)

Table 26 Quantitative Summary of Global 3D Printing Services Market by Geography (%)

Table 27 Quantitative Summary of Global 3D Printing Services Market by End-user (\$ million)

Table 28 Quantitative Summary of Global 3D Printing Services Market by End-user (%)

Table 29 Quantitative Summary of Global 3D Printing Services Market by Service Offerings (\$ million)

Table 30 Quantitative Summary of Global 3D Printing Services Market by Service

Offerings 2016?2022 (%)



## I would like to order

Product name: 3D Printing Services Market - Global Outlook and Forecast 2017-2022

Product link: <https://marketpublishers.com/r/3C3B691A954EN.html>

Price: US\$ 3,500.00 (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/3C3B691A954EN.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