

3D Printing Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018–2028F. Segmented By Component (Hardware, Software and Services), (By Software (Design Software, Inspection Software, Printer Software, Scanning Software)), By Printer Type (Desktop 3D Printer, Industrial Printer), By Technology (Stereolithography, Fuse Deposition Modelling, Selective Laser Sintering, Electron Beam Melting, Laminated Object Manufacturing, Others), By Process (Powder Bed Fusion, Vat Polymerization/ Liquid Based, Material Extrusion, Binder Jetting, Material Jetting, Others), By Vertical (Automobile, Consumer Electronics, Medical, Aerospace & Defense, Education, Others), By Region

<https://marketpublishers.com/r/39BDE64B7EB9EN.html>

Date: October 2023

Pages: 172

Price: US\$ 4,900.00 (Single User License)

ID: 39BDE64B7EB9EN

Abstracts

Global 3D Printing Market is expected to thrive during the forecast period 2024-2028F, the market is expected, due to the aggressive research and development of 3D printing and the rising demand for prototyping applications from a variety of industry sectors, particularly healthcare, automotive, and aerospace and defense.

A manufacturing method for creating three-dimensional items from digital files is known as three-dimensional printing. Through additive processes of sequential layers of

material, 3D printing creates objects with the high precision and resource efficiency. In addition, 3D printing solutions like resin 3D printers, filament 3D printers, and services 3D printers have become increasingly popular in a variety of industries for the production of bespoke items. Previously, quick prototypes were the only use for 3D printing.

Growing application 3D printing technology

Industrial manufacturing is progressively utilizing 3D printing technology, particularly in the automotive, aerospace, and defense sectors. Tooling, jigs and fixtures, injection molding, and production part manufacturing could all benefit from 3D printing. 3D printing innovation is in a beginning phase of improvement across a few areas, like printed hardware, materials, footwear, and food and culinary; However, the jewelry, education, and art and architecture industries are rapidly adopting it. Printers and printing technologies have advanced, printing materials have improved, and a skilled workforce has emerged in the market. 3D printing tracks down expected chances to dispose of PCBs and produce listening devices, primary gadgets, print sensors, phone radio wires, batteries, sun-oriented cells, light-transmitting diodes, and other dynamic and latent gadgets.

Substantial Investments of Governments and Tech Giants to Foster Market Growth

Digital interruptions are extremely affecting advanced manufacturing technologies in many nations worldwide. The United States could make use of 3D technology. This technology was included in the budget of the United States Department of Defense in 2018 as a crucial capability. Products aimed at additive and 3D printing manufacturing have been leaped by even tech software giants like Autodesk, Microsoft, and HP.

In a similar manner, China is putting in a lot of effort to keep the manufacturing industry's competitive index in the global market. Because Chinese manufacturers perceive this technology as both a risk and an opportunity to boost the economy, they frequently make investments in its research and development. And same in India sees this technology as a chance to contribute more to the global manufacturing competitiveness. The Make in India Initiative and other active government programs support India's market. For instance, India Cements and the construction 3D printing startup Tvasta collaborated in May 2022 to promote sustainability in the construction industry.

Korea provides national support for the implementation of an independent roadmap for

this technology's research and development. To encourage the use of this technology, the Korean government is accelerating industry regulatory agreements and implementing tax incentives. An independent 3D technology strategy has been developed by the British government; However, because of Brexit, the manufacturing sector in the United Kingdom is experiencing some uncertainty. Due to its well-established Industry 4.0 infrastructure, Germany is expected to define new technology strategies. Due to all these technologies development the market for the 3D printing will grow in the forecast period.

Advancement in 3D Hardware and Software is Generating New Revenue Streams for Market Players

New technologies are being upgraded and developed by established market players and tech-savvy start-ups. 3D printers for production have become faster and more dependable because of hardware advancements. One of the most widely used 3D printers is the polymer printer. In December 2022, Redington Limited signed a contract with ETEC, Materialize, and Wipro products to provide businesses with full-stack services and products to make the 3D manufacturing process easier. In addition, Redington Limited worked with Wipro 3D to make the introduction of polymer 3D printers in India easier.

According to the statistics, new market opportunities for market participants would result from advancements in polymer additive manufacturing. Due to their capacity for high productivity and volume production, powder bed fusion technologies like HP Inc.'s Multi Jet Fusion and Fused Filament Fabrication (FFF) are anticipated to be the most popular industrial 3D technologies. In a similar vein, the dental and consumer goods industries are more likely to have a growing demand for resin-based technologies like Stereolithography (SLA) and digital light processing (DLP).

In a similar vein, the need to streamline operations is propelling software development in the 3D industry to new heights. Since the technology is used a lot in the manufacturing process, software that can help manufacturers increase production volumes and improve their additive manufacturing processes more effectively is in high demand.

Global Government investment in 3D printing projects will drive the market in forecast period.

To further investigate the opportunities presented by 3D printing technology and

encourage its development, governments around the world are launching initiatives and providing funding to educational institutions, research centers, and technology organizations. National programs have been implemented in the United States, the United Kingdom, and Canada to encourage university-level 3D printing research, technological advancement, and startup development. Industries and governments around the world have turned to 3D printing because of the emergence of new uses for the technology. For instance, the UK National Strategy for Additive Manufacturing 2018–2025 aims to create 60,000 sector-specific jobs and generate 3844.59 million USD in annual gross value added (GVA) by 2025. The strategy depicts all the recommendations made by the workgroups that oversaw themes.

Market Segmentation

Global 3D Printing Market is segmented based on Component, Printer Type, Technology, Process, Vertical, regional distribution and competitive landscape. Based on Component, the market is divided into Hardware, Software and Services. Further, the Software sub-Segment is fragmented into Design Software, Inspection Software, Printer Software, and Scanning Software. Based on Printer Type, the market is segmented into Desktop 3D Printer and Industrial Printer. Based on Technology, the market is divided into Stereolithography, Fuse Deposition Modeling, Selective Laser Sintering, Electron Beam Melting, Laminated Object Manufacturing, and Others. Based on Process, the market is divided into Powder Bed Fusion, Vat Polymerization/ Liquid Based, Material Extrusion, Binder Jetting, Material Jetting, and Others. Based on Vertical, the market is divided into Automobile, Consumer Electronics, Medical, Aerospace & Defense, Education, and Others. Based on region, the market is further bifurcated into North America, Asia-Pacific, Europe, South America, Middle East & Africa.

Market player

Major market players in the Global 3D Printing Market are Stratasys Ltd, 3D Systems Corporation, EOS GmbH, General Electric Company (GE Additive), Sisma SPA, ExOne Co., SLM Solutions Group AG, Proto Labs Inc., Hewlett Packard Inc., Nano Dimension Ltd.

Report Scope:

In this report, the Global 3D Printing Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

3D Printing Market, By Component:

Hardware

Software

Design Software

Inspection Software

Printer Software

Scanning Software

Services

3D Printing Market, By Printer Type:

Desktop 3D Printer

Industrial Printer

3D Printing Market, By Technology:

Stereolithography

Fuse Deposition Modeling

Selective Laser Sintering

Electron Beam Melting

Laminated Object Manufacturing

Others

3D Printing Market, Process:

Powder Bed Fusion

Vat Polymerization/ Liquid Based

Material Extrusion

Binder Jetting

Material Jetting

Others

3D Printing Market, Vertical:

Automobile

Consumer Electronics

Medical

Aerospace & Defense

Education

Others

3D Printing Market, By Region:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

South Korea

Australia

Europe

Germany

United Kingdom

France

Spain

Italy

South America

Brazil

Argentina

Colombia

Middle East

Saudi Arabia

South Africa

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global 3D Printing Market.

Available Customizations:

With the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Baseline Methodology
- 2.2. Key Industry Partners
- 2.3. Major Association and Secondary Sources
- 2.4. Forecasting Methodology
- 2.5. Data Triangulation & Validation
- 2.6. Assumptions and Limitations

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMERS

5. GLOBAL 3D PRINTING MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Printer Type (Desktop and Industry-grade)
 - 5.2.2. By Component (Hardware, Software and Services)
 - 5.2.3. By Technology (Stereo Lithography, Fused Deposition Modeling, Electron Beam Melting, Digital Light Processing, and Selective Laser Sintering)
 - 5.2.4. By Material Type (Metal, Plastic, and Ceramics)
 - 5.2.5. By End User (Automotive, Aerospace, and Defense, Healthcare, Construction and Architecture, Energy, and Food)
 - 5.2.6. By Region
- 5.3. By Company (2022)

5.4. Market Map

6. NORTH AMERICA 3D PRINTING MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Component

6.2.2. By Printer Type

6.2.3. By Technology

6.2.4. By Process

6.2.5. By Vertical

6.2.6. By Country

6.3. North America: Country Analysis

6.3.1. United States 3D Printing Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Component

6.3.1.2.2. By Printer Type

6.3.1.2.3. By Technology

6.3.1.2.4. By Process

6.3.1.2.5. By Vertical

6.3.2. Canada 3D Printing Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Component

6.3.2.2.2. By Printer Type

6.3.2.2.3. By Technology

6.3.2.2.4. By Process

6.3.2.2.5. By Vertical

6.3.3. Mexico 3D Printing Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Component

6.3.3.2.2. By Printer Type

6.3.3.2.3. By Technology

- 6.3.3.2.4. By Process
- 6.3.3.2.5. By Vertical

7. ASIA-PACIFIC 3D PRINTING MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Component
 - 7.2.2. By Printer Type
 - 7.2.3. By Technology
 - 7.2.4. By Process
 - 7.2.5. By Vertical
 - 7.2.6. By Country
- 7.3. Asia-Pacific: Country Analysis
 - 7.3.1. China 3D Printing Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Component
 - 7.3.1.2.2. By Printer Type
 - 7.3.1.2.3. By Technology
 - 7.3.1.2.4. By Process
 - 7.3.1.2.5. By Vertical
 - 7.3.2. India 3D Printing Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Size & Forecast
 - 7.3.2.2.1. By Component
 - 7.3.2.2.2. By Printer Type
 - 7.3.2.2.3. By Technology
 - 7.3.2.2.4. By Process
 - 7.3.2.2.5. By Vertical
 - 7.3.3. Japan 3D Printing Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Size & Forecast
 - 7.3.3.2.1. By Component
 - 7.3.3.2.2. By Printer Type

- 7.3.3.2.3. By Technology
- 7.3.3.2.4. By Process
- 7.3.3.2.5. By Vertical
- 7.3.4. South Korea 3D Printing Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Size & Forecast
 - 7.3.4.2.1. By Component
 - 7.3.4.2.2. By Printer Type
 - 7.3.4.2.3. By Technology
 - 7.3.4.2.4. By Process
 - 7.3.4.2.5. By Vertical
- 7.3.5. Australia 3D Printing Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Component
 - 7.3.5.2.2. By Printer Type
 - 7.3.5.2.3. By Technology
 - 7.3.5.2.4. By Process
 - 7.3.5.2.5. By Vertical

8. EUROPE 3D PRINTING MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Component
 - 8.2.2. By Printer Type
 - 8.2.3. By Technology
 - 8.2.4. By Process
 - 8.2.5. By Vertical
 - 8.2.6. By Country
- 8.3. Europe: Country Analysis
 - 8.3.1. Germany 3D Printing Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Component

- 8.3.1.2.2. By Printer Type
- 8.3.1.2.3. By Technology
- 8.3.1.2.4. By Process
- 8.3.1.2.5. By Vertical
- 8.3.2. United Kingdom 3D Printing Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Component
 - 8.3.2.2.2. By Printer Type
 - 8.3.2.2.3. By Technology
 - 8.3.2.2.4. By Process
 - 8.3.2.2.5. By Vertical
- 8.3.3. France 3D Printing Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Component
 - 8.3.3.2.2. By Printer Type
 - 8.3.3.2.3. By Technology
 - 8.3.3.2.4. By Process
 - 8.3.3.2.5. By Vertical
- 8.3.4. Italy 3D Printing Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Component
 - 8.3.4.2.2. By Printer Type
 - 8.3.4.2.3. By Technology
 - 8.3.4.2.4. By Process
 - 8.3.4.2.5. By Vertical
- 8.3.5. Spain 3D Printing Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Component
 - 8.3.5.2.2. By Printer Type
 - 8.3.5.2.3. By Technology
 - 8.3.5.2.4. By Process

8.3.5.2.5. By Vertical

9. SOUTH AMERICA 3D PRINTING MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Component

9.2.2. By Printer Type

9.2.3. By Technology

9.2.4. By Process

9.2.5. By Vertical

9.2.6. By Country

9.3. South America: Country Analysis

9.3.1. Brazil 3D Printing Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Component

9.3.1.2.2. By Printer Type

9.3.1.2.3. By Technology

9.3.1.2.4. By Process

9.3.1.2.5. By Vertical

9.3.2. Argentina 3D Printing Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Component

9.3.2.2.2. By Printer Type

9.3.2.2.3. By Technology

9.3.2.2.4. By Process

9.3.2.2.5. By Vertical

9.3.3. Colombia 3D Printing Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Component

9.3.3.2.2. By Printer Type

9.3.3.2.3. By Technology

- 9.3.3.2.4. By Process
- 9.3.3.2.5. By Vertical

10. MIDDLE EAST & AFRICA 3D PRINTING MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Component
 - 10.2.2. By Printer Type
 - 10.2.3. By Technology
 - 10.2.4. By Process
 - 10.2.5. By Vertical
 - 10.2.6. By Country
- 10.3. Middle East & Africa: Country Analysis
 - 10.3.1. Saudi Arabia 3D Printing Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Component
 - 10.3.1.2.2. By Printer Type
 - 10.3.1.2.3. By Technology
 - 10.3.1.2.4. By Process
 - 10.3.1.2.5. By Vertical
 - 10.3.2. South Africa 3D Printing Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Component
 - 10.3.2.2.2. By Printer Type
 - 10.3.2.2.3. By Technology
 - 10.3.2.2.4. By Process
 - 10.3.2.2.5. By Vertical
 - 10.3.3. UAE 3D Printing Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Component
 - 10.3.3.2.2. By Printer Type

- 10.3.3.2.3. By Technology
- 10.3.3.2.4. By Process
- 10.3.3.2.5. By Vertical

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

13. COMPANY PROFILES

- 13.1. Stratasys Ltd
 - 13.1.1. Business Overview
 - 13.1.2. Key Revenue and Financials
 - 13.1.3. Recent Developments
 - 13.1.4. Key Personnel
 - 13.1.5. Key Product/Services
- 13.2. 3D Systems Corporation
 - 13.2.1. Business Overview
 - 13.2.2. Key Revenue and Financials
 - 13.2.3. Recent Developments
 - 13.2.4. Key Personnel
 - 13.2.5. Key Product/Services
- 13.3. EOS GmbH
 - 13.3.1. Business Overview
 - 13.3.2. Key Revenue and Financials
 - 13.3.3. Recent Developments
 - 13.3.4. Key Personnel
 - 13.3.5. Key Product/Services
- 13.4. General Electric Company (GE Additive)
 - 13.4.1. Business Overview
 - 13.4.2. Key Revenue and Financials
 - 13.4.3. Recent Developments
 - 13.4.4. Key Personnel
 - 13.4.5. Key Product/Services
- 13.5. Sisma SPA

- 13.5.1. Business Overview
- 13.5.2. Key Revenue and Financials
- 13.5.3. Recent Developments
- 13.5.4. Key Personnel
- 13.5.5. Key Product/Services
- 13.6. ExOne Co.
 - 13.6.1. Business Overview
 - 13.6.2. Key Revenue and Financials
 - 13.6.3. Recent Developments
 - 13.6.4. Key Personnel
 - 13.6.5. Key Product/Services
- 13.7. SLM Solutions Group AG
 - 13.7.1. Business Overview
 - 13.7.2. Key Revenue and Financials
 - 13.7.3. Recent Developments
 - 13.7.4. Key Personnel
 - 13.7.5. Key Product/Services
- 13.8. Proto Labs Inc.
 - 13.8.1. Business Overview
 - 13.8.2. Key Revenue and Financials
 - 13.8.3. Recent Developments
 - 13.8.4. Key Personnel
 - 13.8.5. Key Product/Services
- 13.9. Hewlett Packard Inc.
 - 13.9.1. Business Overview
 - 13.9.2. Key Revenue and Financials
 - 13.9.3. Recent Developments
 - 13.9.4. Key Personnel
 - 13.9.5. Key Product/Services
- 13.10. Nano Dimension Ltd
 - 13.10.1. Business Overview
 - 13.10.2. Key Revenue and Financials
 - 13.10.3. Recent Developments
 - 13.10.4. Key Personnel
 - 13.10.5. Key Product/Services

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

I would like to order

Product name: 3D Printing Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018–2028F. Segmented By Component (Hardware, Software and Services), (By Software (Design Software, Inspection Software, Printer Software, Scanning Software)), By Printer Type (Desktop 3D Printer, Industrial Printer), By Technology (Stereolithography, Fuse Deposition Modelling, Selective Laser Sintering, Electron Beam Melting, Laminated Object Manufacturing, Others), By Process (Powder Bed Fusion, Vat Polymerization/ Liquid Based, Material Extrusion, Binder Jetting, Material Jetting, Others), By Vertical (Automobile, Consumer Electronics, Medical, Aerospace & Defense, Education, Others), By Region

Product link: <https://marketpublishers.com/r/39BDE64B7EB9EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/39BDE64B7EB9EN.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