

North America 3D Printing Market 2022-2030 by Component (3D Printers, Consumables, Software, Service), Process and Technology, Use Type (Commercial, Personal), Application, Industry Vertical, and Country: Trend Forecast and Growth Opportunity

<https://marketpublishers.com/r/N439F599881DEN.html>

Date: March 2023

Pages: 149

Price: US\$ 2,711.00 (Single User License)

ID: N439F599881DEN

Abstracts

North America 3D printing market is projected to grow by 23.7% annually in the forecast period and reach \$38,009.9 million by 2030, driven by the enhancing efficiencies in manufacturing, improvement in terms of cost and time, logistically viable technology, large scope for innovation, flexibility for customization, less probability of human errors and being better than the traditional method of production.

Highlighted with 31 tables and 76 figures, this 149-page report “North America 3D Printing Market 2022-2030 by Component (3D Printers, Consumables, Software, Service), Process and Technology, Use Type (Commercial, Personal), Application, Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on comprehensive research of the entire North America 3D printing market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2019-2022 and provides forecast from 2023 till 2030 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America 3D printing market in every aspect of the classification from perspectives of Component, Process and Technology, Use Type, Application, Industry Vertical, and Country.

Based on Component, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

3D Printers

Industrial/Commercial 3D Printers

Consumer/Desktop 3D Printers

Consumables

(Consumable by Material Type)

Plastics & Polymers

Metals & Metal Alloys

Ceramics

Biocompatible Material

Laywood

Wax

Paper

Other Materials)

(Consumable by Material Form)

Liquid

Filament

Powder

Software

Scanning

Design

Inspection

Printing

Embedded AI Software

Service

Printing

Maintenance

Training

Consulting

Based on Process and Technology, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Vat Photopolymerisation

Stereolithography (SLA)

Digital Light Processing (DLP)

Continuous Liquid Interface Production (CLIP)

Material Jetting

Binder Jetting

Material Extrusion

Fused Deposition Modeling (FDM)

Fused Filament Fabrication (FFF)

Powder Bed Fusion

Multi Jet Fusion (MJF)

Selective Laser Sintering (SLS)

Direct Metal Laser Sintering (DMLS)

Sheet Lamination

Directed Energy Deposition

Other Technologies

By Use Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Commercial

Personal

By Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Prototyping

Tooling

Functional Part Manufacturing

Other Applications

By Industrial Vertical, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Automotive

Aerospace & Defense

Healthcare

Consumer Goods & Electronics

Industrial Manufacturing

Power & Energy

Construction

Education

Food and Culinary

Other Verticals

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2022-2030. The breakdown of national markets by Component, Process and Technology and Industrial Vertical over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

3D Systems Inc.

Arcam AB

Autodesk Inc.

Beijing Tiertime Technology Co., Ltd.

Canon Inc.

Carbon, Inc.

Concept Laser GmbH

Dassault Systemes

Desktop Metal, Inc.

EnvisionTEC Inc.

EOS GmbH Electro Optical Systems

ExOne Company

GE Additive

Hewlett-Packard Development Company L.P.

Hoganas AB

Materialise NV

MCOR Technologies Ltd.

Optomec Inc.

Organovo Holdings Inc.

SLM Solutions Group AG

Solidscape Inc.

Stratasys Ltd.

Ultimaker BV

Voxeljet AG

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
 - 2.1.1 Impact of COVID-19 on World Economy
 - 2.1.2 Impact of COVID-19 on the Market
 - 2.1.3 Impact of Russia-Ukraine Conflict: War Slows Economic Recovery
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF NORTH AMERICA MARKET BY COMPONENT

- 3.1 Market Overview by Component
- 3.2 3D Printers
 - 3.2.1 Industrial/Commercial 3D Printers
 - 3.2.2 Consumer/Desktop 3D Printers
- 3.3 Consumables
 - 3.3.1 North America 3D Printing Consumables Market by Material Type
 - 3.3.2 North America 3D Printing Consumables Market by Material Format
- 3.4 Software
- 3.5 Service

4 SEGMENTATION OF NORTH AMERICA MARKET BY PROCESS AND TECHNOLOGY

- 4.1 Market Overview by Process and Technology
- 4.2 Vat Photopolymerisation
 - 4.2.1 Stereolithography (SLA)
 - 4.2.2 Digital Light Processing (DLP)
 - 4.2.3 Continuous Liquid Interface Production (CLIP)
- 4.3 Material Jetting
- 4.4 Binder Jetting
- 4.5 Material Extrusion
 - 4.5.1 Fused Deposition Modeling (FDM)
 - 4.5.2 Fused Filament Fabrication (FFF)
- 4.6 Powder Bed Fusion
 - 4.6.1 Multi Jet Fusion (MJF)
 - 4.6.2 Selective Laser Sintering (SLS)
 - 4.6.3 Direct Metal Laser Sintering (DMLS)
- 4.7 Sheet Lamination
- 4.8 Directed Energy Deposition
- 4.9 Other Technologies

5 SEGMENTATION OF NORTH AMERICA MARKET BY USE TYPE

- 5.1 Market Overview by Use Type
- 5.2 Commercial
- 5.3 Personal

6 SEGMENTATION OF NORTH AMERICA MARKET BY APPLICATION

- 6.1 Market Overview by Application
- 6.2 Prototyping
- 6.3 Tooling
- 6.4 Functional Part Manufacturing
- 6.5 Other Applications

7 SEGMENTATION OF NORTH AMERICA MARKET BY INDUSTRIAL VERTICAL

- 7.1 Market Overview by Industrial Vertical

- 7.2 Automotive
- 7.3 Aerospace & Defense
- 7.4 Healthcare
- 7.5 Consumer Goods & Electronics
- 7.6 Industrial Manufacturing
- 7.7 Power & Energy
- 7.8 Construction
- 7.9 Education
- 7.10 Food and Culinary
- 7.11 Other Verticals

8 NORTH AMERICA MARKET 2019-2030 BY COUNTRY

- 8.1 Overview of North America Market
- 8.2 U.S.
- 8.3 Canada
- 8.4 Mexico

9 COMPETITIVE LANDSCAPE

- 9.1 Overview of Key Vendors
- 9.2 New Product Launch, Partnership, Investment, and M&A
- 9.3 Company Profiles

3D SYSTEMS INC.

Arcam AB
Autodesk Inc.
Beijing Tiertime Technology Co., Ltd.
Canon Inc.
Carbon, Inc.
Concept Laser GmbH
Dassault Systemes
Desktop Metal, Inc.
EnvisionTEC Inc.
EOS GmbH Electro Optical Systems
ExOne Company
GE Additive
Hewlett-Packard Development Company L.P.

Hoganas AB
Materialise NV
MCOR Technologies Ltd.
Optomec Inc.
Organovo Holdings Inc.
SLM Solutions Group AG
Solidscape Inc.
Stratasys Ltd.
Ultimaker BV
Voxeljet AG
Related Reports and Products

List Of Tables

LIST OF TABLES:

Table 1. Snapshot of North America 3D Printing Market in Balanced Perspective, 2022-2030

Table 2. World Economic Outlook, 2021-2031

Table 3. World Economic Outlook, 2021-2023

Table 4. Scenarios for Economic Impact of Ukraine Crisis

Table 5. Main Product Trends and Market Opportunities in North America 3D Printing Market

Table 6. North America 3D Printing Market by Component, 2019-2030, \$ mn

Table 7. North America 3D Printing Market: 3D Printers by Printer Type, 2019-2030, \$ mn

Table 8. North America 3D Printing Market: Consumables by Material Type, 2019-2030, \$ mn

Table 9. North America 3D Printing Market: Consumables by Material Form, 2019-2030, \$ mn

Table 10. North America 3D Printing Market: Software by Type, 2019-2030, \$ mn

Table 11. North America 3D Printing Market: Service by Type, 2019-2030, \$ mn

Table 12. North America 3D Printing Market by Process and Technology, 2019-2030, \$ mn

Table 13. North America 3D Printing Market: Vat Photopolymerisation by Technology Type, 2019-2030, \$ mn

Table 14. North America 3D Printing Market: Material Extrusion by Technology Type, 2019-2030, \$ mn

Table 15. North America 3D Printing Market: Powder Bed Fusion by Technology Type, 2019-2030, \$ mn

Table 16. North America 3D Printing Market by Use Type, 2019-2030, \$ mn

Table 17. North America 3D Printing Market by Application, 2019-2030, \$ mn

Table 18. North America Market by Industrial Vertical, 2019-2030, \$ mn

Table 19. North America 3D Printing Market by Country, 2019-2030, \$ mn

Table 20. U.S. 3D Printing Market by Component, 2019-2030, \$ mn

Table 21. U.S. 3D Printing Market by Process and Technology, 2019-2030, \$ mn

Table 22. U.S. 3D Printing Market by Industrial Vertical, 2019-2030, \$ mn

Table 23. Canada 3D Printing Market by Component, 2019-2030, \$ mn

Table 24. Canada 3D Printing Market by Process and Technology, 2019-2030, \$ mn

Table 25. Canada 3D Printing Market by Industrial Vertical, 2019-2030, \$ mn

Table 26. Mexico 3D Printing Market by Component, 2019-2030, \$ mn

Table 27. Mexico 3D Printing Market by Process and Technology, 2019-2030, \$ mn

Table 28. Mexico 3D Printing Market by Industrial Vertical, 2019-2030, \$ mn

Table 29. 3D Systems Inc.: Company Snapshot

Table 30. 3D Systems Inc.: Business Segmentation

Table 31. 3D Systems Inc.: Product Portfolio

List Of Figures

LIST OF FIGURES:

Figure 1. Research Method Flow Chart

Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 3. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2022-2030

Figure 4. North America 3D Printing Market, 2019-2030, \$ mn

Figure 5. North America 3D Printers Market by Demand Volume, 2019-2030, million units

Figure 6. Average Selling Price (ASP) of 3D Printers in North America Market, 2019-2030, USD/unit

Figure 7. Impact of COVID-19 on Business

Figure 8. Primary Drivers and Impact Factors of North America 3D Printing Market

Figure 9. Primary Restraints and Impact Factors of North America 3D Printing Market

Figure 10. Investment Opportunity Analysis

Figure 11. Porter's Five Forces Analysis of North America 3D Printing Market

Figure 12. Breakdown of North America 3D Printing Market by Component, 2019-2030, % of Revenue

Figure 13. North America Addressable Market Cap in 2023-2030 by Component, Value (\$ mn) and Share (%)

Figure 14. North America 3D Printing Market by Component: 3D Printers, 2019-2030, \$ mn

Figure 15. North America 3D Printing Market by 3D Printers: Industrial/Commercial 3D Printers, 2019-2030, \$ mn

Figure 16. North America 3D Printing Market by 3D Printers: Consumer/Desktop 3D Printers, 2019-2030, \$ mn

Figure 17. North America 3D Printing Market by Component: Consumables, 2019-2030, \$ mn

Figure 18. North America 3D Printing Market by Consumables Material Type: Plastics & Polymers, 2019-2030, \$ mn

Figure 19. North America 3D Printing Market by Consumables Material Type: Metals & Metal Alloys, 2019-2030, \$ mn

Figure 20. North America 3D Printing Market by Consumables Material Type: Ceramics, 2019-2030, \$ mn

Figure 21. North America 3D Printing Market by Consumables Material Type: Biocompatible Material, 2019-2030, \$ mn

Figure 22. North America 3D Printing Market by Consumables Material Type: Laywood,

2019-2030, \$ mn

Figure 23. North America 3D Printing Market by Consumables Material Type: Wax, 2019-2030, \$ mn

Figure 24. North America 3D Printing Market by Consumables Material Type: Paper, 2019-2030, \$ mn

Figure 25. North America 3D Printing Market by Consumables Material Type: Other Materials, 2019-2030, \$ mn

Figure 26. North America 3D Printing Market by Consumables Material Format: Liquid, 2019-2030, \$ mn

Figure 27. North America 3D Printing Market by Consumables Material Format: Filament, 2019-2030, \$ mn

Figure 28. North America 3D Printing Market by Consumables Material Format: Powder, 2019-2030, \$ mn

Figure 29. North America 3D Printing Market by Component: Software, 2019-2030, \$ mn

Figure 30. North America 3D Printing Market by Component: Service, 2019-2030, \$ mn

Figure 31. Breakdown of North America 3D Printing Market by Process and Technology, 2019-2030, % of Sales Revenue

Figure 32. North America Addressable Market Cap in 2023-2030 by Process and Technology, Value (\$ mn) and Share (%)

Figure 33. North America 3D Printing Market by Process and Technology: Vat Photopolymerisation, 2019-2030, \$ mn

Figure 34. North America 3D Printing Market by Vat Photopolymerisation: Stereolithography (SLA), 2019-2030, \$ mn

Figure 35. North America 3D Printing Market by Vat Photopolymerisation: Digital Light Processing (DLP), 2019-2030, \$ mn

Figure 36. North America 3D Printing Market by Vat Photopolymerisation: Continuous Liquid Interface Production (CLIP), 2019-2030, \$ mn

Figure 37. North America 3D Printing Market by Process and Technology: Material Jetting, 2019-2030, \$ mn

Figure 38. North America 3D Printing Market by Process and Technology: Binder Jetting, 2019-2030, \$ mn

Figure 39. North America 3D Printing Market by Process and Technology: Material Extrusion, 2019-2030, \$ mn

Figure 40. North America 3D Printing Market by Material Extrusion: Fused Deposition Modeling (FDM), 2019-2030, \$ mn

Figure 41. North America 3D Printing Market by Material Extrusion: Fused Filament Fabrication (FFF), 2019-2030, \$ mn

Figure 42. North America 3D Printing Market by Process and Technology: Powder Bed

Fusion, 2019-2030, \$ mn

Figure 43. North America 3D Printing Market by Powder Bed Fusion: Multi Jet Fusion (MJF), 2019-2030, \$ mn

Figure 44. North America 3D Printing Market by Powder Bed Fusion: Selective Laser Sintering (SLS), 2019-2030, \$ mn

Figure 45. North America 3D Printing Market by Powder Bed Fusion: Direct Metal Laser Sintering (DMLS), 2019-2030, \$ mn

Figure 46. North America 3D Printing Market by Process and Technology: Sheet Lamination, 2019-2030, \$ mn

Figure 47. North America 3D Printing Market by Process and Technology: Directed Energy Deposition, 2019-2030, \$ mn

Figure 48. North America 3D Printing Market by Process and Technology: Other Technologies, 2019-2030, \$ mn

Figure 49. Breakdown of North America 3D Printing Market by Use Type, 2019-2030, % of Sales Revenue

Figure 50. North America Addressable Market Cap in 2023-2030 by Use Type, Value (\$ mn) and Share (%)

Figure 51. North America 3D Printing Market by Use Type: Commercial, 2019-2030, \$ mn

Figure 52. North America 3D Printing Market by Use Type: Personal, 2019-2030, \$ mn

Figure 53. Breakdown of North America 3D Printing Market by Application, 2019-2030, % of Revenue

Figure 54. North America Addressable Market Cap in 2023-2030 by Application, Value (\$ mn) and Share (%)

Figure 55. North America 3D Printing Market by Application: Prototyping, 2019-2030, \$ mn

Figure 56. North America 3D Printing Market by Application: Tooling, 2019-2030, \$ mn

Figure 57. North America 3D Printing Market by Application: Functional Part Manufacturing, 2019-2030, \$ mn

Figure 58. North America 3D Printing Market by Application: Other Applications, 2019-2030, \$ mn

Figure 59. Breakdown of North America Market by Industrial Vertical, 2019-2030, % of Revenue

Figure 60. North America Addressable Market Cap in 2023-2030 by Industrial Vertical, Value (\$ mn) and Share (%)

Figure 61. North America 3D Printing Market by Industrial Vertical: Automotive, 2019-2030, \$ mn

Figure 62. North America 3D Printing Market by Industrial Vertical: Aerospace & Defense, 2019-2030, \$ mn

Figure 63. North America 3D Printing Market by Industrial Vertical: Healthcare, 2019-2030, \$ mn

Figure 64. North America 3D Printing Market by Industrial Vertical: Consumer Goods & Electronics, 2019-2030, \$ mn

Figure 65. North America 3D Printing Market by Industrial Vertical: Industrial Manufacturing, 2019-2030, \$ mn

Figure 66. North America 3D Printing Market by Industrial Vertical: Power & Energy, 2019-2030, \$ mn

Figure 67. North America 3D Printing Market by Industrial Vertical: Construction, 2019-2030, \$ mn

Figure 68. North America 3D Printing Market by Industrial Vertical: Education, 2019-2030, \$ mn

Figure 69. North America 3D Printing Market by Industrial Vertical: Food and Culinary, 2019-2030, \$ mn

Figure 70. North America 3D Printing Market by Industrial Vertical: Other Verticals, 2019-2030, \$ mn

Figure 71. Breakdown of North America 3D Printing Market by Country, 2022 and 2030, % of Revenue

Figure 72. Contribution to North America 2023-2030 Cumulative Revenue by Country, Value (\$ mn) and Share (%)

Figure 73. U.S. 3D Printing Market, 2019-2030, \$ mn

Figure 74. Canada 3D Printing Market, 2019-2030, \$ mn

Figure 75. 3D Printing Market in Mexico, 2019-2030, \$ mn

Figure 76. Growth Stage of North America 3D Printing Industry over the Forecast Period

I would like to order

Product name: North America 3D Printing Market 2022-2030 by Component (3D Printers, Consumables, Software, Service), Process and Technology, Use Type (Commercial, Personal), Application, Industry Vertical, and Country: Trend Forecast and Growth Opportunity

Product link: <https://marketpublishers.com/r/N439F599881DEN.html>

Price: US\$ 2,711.00 (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/N439F599881DEN.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