

Global Additive Manufacturing Software Market Size study & Forecast, by Vertical Industry (Automotive, Aerospace, Medical, Construction, Other), by Deployment (Cloud based, On-Premises) and Regional Analysis, 2023-2030

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Abstracts

Global Additive Manufacturing Software Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2023-2030. Additive Manufacturing Software refers to a suite of software tools designed to support the entire additive manufacturing process, from design and simulation to print preparation, machine control, and post-processing. These software applications enable users to create complex 3D models, simulate and analyze part behavior, optimize print settings, control and monitor the printing process, and manage materials. They play a crucial role in maximizing the benefits of additive manufacturing, such as design flexibility, cost reduction, faster prototyping, and customization, while ensuring efficiency and quality throughout the workflow. Moreover, the rising 3D printing products and services market and the rising healthcare industry are anticipated to be the growth drivers of this market. Furthermore, rapidly growing industrialization and increasing adoption of advanced technology boost the growth in the market.

According to Statista in 2023, In the Health Care market, the projected revenue is set to reach an estimated value of USD 60.72 billion. the market is expected a robust annual growth rate of 10.95% during the period from 2023 to 2027. This positive growth trajectory is anticipated to drive the market volume to a projected value of USD 92.01 billion by 2027. The increasing demand for healthcare services, advancements in medical technology, and the growing focus on patient care and treatment options are some of the factors contributing in market expansion. According to Statista in 2022, the

global market for 3D printing products and services reached a value of approximately USD 12.6 billion in 2020 and is projected to experience a compound annual growth rate of around 17 percent from 2020 to 2023. Aerospace companies have embraced additive manufacturing as early adopters in their industry. The aerospace companies are making investments in additive technology to realize benefits such as weight reduction, structural optimization, space utilization, and decreased part count and joining. Beyond its initial application in rapid prototyping, 3D-printed components are now being utilized in aircraft manufacturing for end-use purposes. However, high initial investment and data security & privacy concerns may hamper the growth of the market during the forecasted period of 2023-2030.

The key regions considered for the Global Additive Manufacturing Software Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominates the global additive manufacturing software market, driven by technological advancements, a strong industrial base, government support, research and development capabilities, early adoption, and key market players. With a mature market and a wide range of software solutions, North America leads in additive manufacturing technology. On the other hand, the Asia Pacific region is the fastest growing in the market, benefiting from its manufacturing prowess, emerging economies, government backing, strong market potential, investments in research and development, and technological advancements. With countries such as China, Japan, South Korea, and India at the forefront, the region's demand for additive manufacturing software is rapidly expanding, further fueled by innovation and large market size.

Major market player included in this report are:

Ansys, Inc.

AlphaSTAR Corporation

Autodesk Inc.

Comsol Multiphysics Private Limited

Dassault Systèmes SE

Flow Science Inc.

Materialise N.V.

Parametric Technology Corporation

Siemens AG

MSC Software Corporation

Recent Developments in the Market:

In February 2023, Hexagon's Manufacturing Intelligence division unveiled a new Design for Additive Manufacturing (DfAM) module alongside the launch of its Nexus Open Cloud platform. The Nexus platform aims to eliminate silos and foster faster innovation

and time-to-market by enabling real-time collaboration and feedback between engineering and manufacturing through the connection of Hexagon and third-party ecosystem tools. One of the initial solutions within Nexus is the DfAM capability, which addresses the traditional isolation of processes by integrating multiple engineers and software applications. Hexagon aims to tackle the issues of connectivity, cost, time consumption, and data loss associated with disjointed workflows in additive manufacturing.

In February 2022, SLM Solutions introduced SLM.Quality, a newly launched software solution for quality assurance. This innovative software empowers customers to enhance their efficiency in evaluating build jobs, conducting process qualifications, and obtaining part certifications. Whether it's for individual parts or large-scale production, SLM.Quality offers valuable support to industrial clients, streamlining the qualification process and enhancing traceability by facilitating the documentation of essential process data.

Global Additive Manufacturing Software Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Vertical Industry, Deployment, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Vertical Industry:

Automotive

Aerospace
Medical
Construction
Other

By Deployment:
Cloud Based
On-Premises

By Region:

North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
Saudi Arabia
South Africa
Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Additive Manufacturing Software Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Additive Manufacturing Software Market, by Vertical Industry, 2020-2030 (USD Billion)
 - 1.2.3. Additive Manufacturing Software Market, by Deployment, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL ADDITIVE MANUFACTURING SOFTWARE MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL ADDITIVE MANUFACTURING SOFTWARE MARKET DYNAMICS

- 3.1. Additive Manufacturing Software Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising 3D Printing Products and Services Market
 - 3.1.1.2. Rising Healthcare Industry
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Initial Investment
 - 3.1.2.2. Data Security & Privacy Concern
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rapidly Growing Industrialization
 - 3.1.3.2. Increasing Adaptation of Advance Technology

CHAPTER 4. GLOBAL ADDITIVE MANUFACTURING SOFTWARE MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ADDITIVE MANUFACTURING SOFTWARE MARKET, BY VERTICAL INDUSTRY

- 5.1. Market Snapshot
- 5.2. Global Additive Manufacturing Software Market by Vertical Industry, Performance - Potential Analysis
- 5.3. Global Additive Manufacturing Software Market Estimates & Forecasts by Vertical Industry 2020-2030 (USD Billion)
- 5.4. Additive Manufacturing Software Market, Sub Segment Analysis
 - 5.4.1. Automotive
 - 5.4.2. Aerospace
 - 5.4.3. Medical
 - 5.4.4. Construction
 - 5.4.5. Other

CHAPTER 6. GLOBAL ADDITIVE MANUFACTURING SOFTWARE MARKET, BY DEPLOYMENT

- 6.1. Market Snapshot
- 6.2. Global Additive Manufacturing Software Market by Deployment, Performance - Potential Analysis
- 6.3. Global Additive Manufacturing Software Market Estimates & Forecasts by Deployment 2020-2030 (USD Billion)
- 6.4. Additive Manufacturing Software Market, Sub Segment Analysis
 - 6.4.1. Cloud Based
 - 6.4.2. On-Premises

CHAPTER 7. GLOBAL ADDITIVE MANUFACTURING SOFTWARE MARKET, REGIONAL ANALYSIS

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Additive Manufacturing Software Market, Regional Market Snapshot
- 7.4. North America Additive Manufacturing Software Market
 - 7.4.1. U.S. Additive Manufacturing Software Market
 - 7.4.1.1. Vertical Industry breakdown estimates & forecasts, 2020-2030
 - 7.4.1.2. Deployment breakdown estimates & forecasts, 2020-2030
 - 7.4.2. Canada Additive Manufacturing Software Market
- 7.5. Europe Additive Manufacturing Software Market Snapshot
 - 7.5.1. U.K. Additive Manufacturing Software Market
 - 7.5.2. Germany Additive Manufacturing Software Market
 - 7.5.3. France Additive Manufacturing Software Market
 - 7.5.4. Spain Additive Manufacturing Software Market
 - 7.5.5. Italy Additive Manufacturing Software Market
 - 7.5.6. Rest of Europe Additive Manufacturing Software Market
- 7.6. Asia-Pacific Additive Manufacturing Software Market Snapshot
 - 7.6.1. China Additive Manufacturing Software Market
 - 7.6.2. India Additive Manufacturing Software Market
 - 7.6.3. Japan Additive Manufacturing Software Market
 - 7.6.4. Australia Additive Manufacturing Software Market
 - 7.6.5. South Korea Additive Manufacturing Software Market
 - 7.6.6. Rest of Asia Pacific Additive Manufacturing Software Market
- 7.7. Latin America Additive Manufacturing Software Market Snapshot
 - 7.7.1. Brazil Additive Manufacturing Software Market

- 7.7.2. Mexico Additive Manufacturing Software Market
- 7.8. Middle East & Africa Additive Manufacturing Software Market
 - 7.8.1. Saudi Arabia Additive Manufacturing Software Market
 - 7.8.2. South Africa Additive Manufacturing Software Market
 - 7.8.3. Rest of Middle East & Africa Additive Manufacturing Software Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company
 - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Ansys, Inc.
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Recent Developments
 - 8.3.2. AlphaSTAR Corporation
 - 8.3.3. Autodesk Inc.
 - 8.3.4. Comsol Multiphysics Private Limited
 - 8.3.5. Dassault Systèmes SE
 - 8.3.6. Flow Science Inc.
 - 8.3.7. Materialise N.V.
 - 8.3.8. Parametric Technology Corporation
 - 8.3.9. Siemens AG
 - 8.3.10. MSC Software Corporation

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes

9.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Additive Manufacturing Software Market, report scope
- TABLE 2. Global Additive Manufacturing Software Market estimates & forecasts by Region 2020-2030 (USD Billion)
- TABLE 3. Global Additive Manufacturing Software Market estimates & forecasts by Vertical Industry 2020-2030 (USD Billion)
- TABLE 4. Global Additive Manufacturing Software Market estimates & forecasts by Deployment 2020-2030 (USD Billion)
- TABLE 5. Global Additive Manufacturing Software Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 6. Global Additive Manufacturing Software Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 7. Global Additive Manufacturing Software Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 8. Global Additive Manufacturing Software Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 9. Global Additive Manufacturing Software Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 10. Global Additive Manufacturing Software Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 11. Global Additive Manufacturing Software Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 12. Global Additive Manufacturing Software Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 13. Global Additive Manufacturing Software Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 14. Global Additive Manufacturing Software Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 15. U.S. Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 16. U.S. Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 17. U.S. Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 18. Canada Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 19. Canada Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Additive Manufacturing Software Market estimates & forecasts by

segment 2020-2030 (USD Billion)

TABLE 39. China Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Mexico Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 61. Mexico Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. RoLA Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Additive Manufacturing Software Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. RoMEA Additive Manufacturing Software Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Additive Manufacturing Software Market

TABLE 70. List of primary sources, used in the study of global Additive Manufacturing Software Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures are dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Additive Manufacturing Software Market, research methodology
- FIG 2. Global Additive Manufacturing Software Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Additive Manufacturing Software Market, key trends 2022
- FIG 5. Global Additive Manufacturing Software Market, growth prospects 2023-2030
- FIG 6. Global Additive Manufacturing Software Market, porters 5 force model
- FIG 7. Global Additive Manufacturing Software Market, pest analysis
- FIG 8. Global Additive Manufacturing Software Market, value chain analysis
- FIG 9. Global Additive Manufacturing Software Market by segment, 2020 & 2030 (USD Billion)
- FIG 10. Global Additive Manufacturing Software Market by segment, 2020 & 2030 (USD Billion)
- FIG 11. Global Additive Manufacturing Software Market by segment, 2020 & 2030 (USD Billion)
- FIG 12. Global Additive Manufacturing Software Market by segment, 2020 & 2030 (USD Billion)
- FIG 13. Global Additive Manufacturing Software Market by segment, 2020 & 2030 (USD Billion)
- FIG 14. Global Additive Manufacturing Software Market, regional snapshot 2020 & 2030
- FIG 15. North America Additive Manufacturing Software Market 2020 & 2030 (USD Billion)
- FIG 16. Europe Additive Manufacturing Software Market 2020 & 2030 (USD Billion)
- FIG 17. Asia pacific Additive Manufacturing Software Market 2020 & 2030 (USD Billion)
- FIG 18. Latin America Additive Manufacturing Software Market 2020 & 2030 (USD Billion)
- FIG 19. Middle East & Africa Additive Manufacturing Software Market 2020 & 2030 (USD Billion)

List of tables and figures are dummy in nature, final lists may vary in the final deliverable

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