

Global Military 3D Printing Market Size Study, by Component (Technology, Material, Services), by Application (Tooling, Jigs and Fixtures, Prototyping, End-Use Parts, Others), by End-Use (Army, Navy, Airforce) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G80500215729EN.html>

Date: August 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G80500215729EN

Abstracts

Global Military 3D Printing Market is valued at approximately USD 1.37 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 25% over the forecast period 2024-2032. Military 3D printing refers to the use of additive manufacturing technologies to design, develop, and produce components, equipment, and systems for military applications. This technology enables the creation of complex and customized parts with high precision and reduced production times, which can be critical in defense operations. Military 3D printing is used for various purposes, including the rapid prototyping of new designs, on-demand manufacturing of spare parts, the production of lightweight and durable components, and the development of specialized equipment tailored to specific mission requirements. It enhances the military's ability to maintain and upgrade equipment, reduce supply chain dependencies, and innovate in the design of new defense systems. Additionally, 3D printing can be used in remote or battlefield locations to quickly produce necessary components, providing significant logistical advantages.

The market's growth is driven by the surge in military applications, increased investments by armed forces in technology, and the rise in the adoption of lightweight components. Governments of countries like Russia, the U.S., China, and India have increased investments in armed forces to establish dominance on the battlefield. According to the Stockholm International Peace Research Institute (SIPRI), total global military expenditure rose to USD 1981 billion in 2020, an increase of 2.6 percent from 2019. The rise in terrorist activities and international conflicts enhances military

strengths through technological advancements, increasing the demand for 3D printing technologies in armed forces. Governments significantly invest in military modernization programs to bolster infrastructure and maintain dominance into the future.

The military and defense organizations of various nations have been developing advanced printing technologies to assist soldiers in various combat missions and operations. This has improved the performance of military weapons such as guns, machinery, tanks, and trucks, thereby boosting demand for 3D printers in the defense sector. Countries such as the U.S., China, Russia, Japan, South Korea, France, and the UK have the strongest military forces globally, continuously emerging with technological advancements in military weapons to remain future-ready and secure. However, the complex design of both hardware and software and the lack of standardization in the process are factors that hinder market growth. On the other hand, technological advancements and the rise in the adoption of lightweight components are expected to offer growth opportunities over the forecast period.

The key regions considered for the Global Military 3D Printing Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the Global Military 3D Printing Market in terms of revenue. The market growth in the region is being attributed to factors including substantial investments in defense technology and innovation by the United States. The region benefits from a robust defense infrastructure, a high concentration of leading 3D printing companies, and strong government support for adopting advanced manufacturing technologies in defense applications. North America's focus on maintaining military superiority through cutting-edge technology has led to widespread implementation of 3D printing for producing complex components, reducing lead times, and enhancing supply chain efficiency in military operations. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by increasing defense budgets and modernization efforts in countries like China, India, and South Korea. The region is witnessing a rapid adoption of 3D printing technologies to enhance military capabilities, improve logistics, and support local manufacturing initiatives.

Major market players included in this report are:

Materialise
Dassault Systems
3D Systems Inc.
ExOne
Autodesk Inc.

Markforged
Stratasys, Ltd.
General Electric
Optomec, Inc.
Proto Labs, Inc.
Ultimaker BV
Fracktal Works Private Limited
BAE Systems plc
EOS GmbH Electro Optical Systems
Raytheon Technologies Corporation

The detailed segments and sub-segment of the market are explained below:

By Component:

Technology
Material
Services

By Application:

Tooling, Jigs, and Fixtures
Prototyping
End-Use Parts
Others

By End-Use:

Army
Navy
Airforce

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

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL MILITARY 3D PRINTING MARKET EXECUTIVE SUMMARY

- 1.1. Global Military 3D Printing Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Component
 - 1.3.2. By Application
 - 1.3.3. By End-Use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL MILITARY 3D PRINTING MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL MILITARY 3D PRINTING MARKET DYNAMICS

3.1. Market Drivers

3.1.1. Surge in Military Application

3.1.2. Increase in Investments by Armed Forces into Technology

3.2. Market Challenges

3.2.1. Complex Design of Both Hardware & Software

3.2.2. Lack of Standardization in Process

3.3. Market Opportunities

3.3.1. Technological Advancements

3.1.2. Rise in Adoption of Lightweight Components

CHAPTER 4. GLOBAL MILITARY 3D PRINTING 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

4.1.6. Futuristic Approach to Porter's 5 Force Model

4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.2.5. Environmental

4.2.6. Legal

4.3. Top Investment Opportunities

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL MILITARY 3D PRINTING MARKET SIZE & FORECASTS BY COMPONENT 2022-2032

5.1. Segment Dashboard

5.2. Global Military 3D Printing Market: Component Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 5.2.1. Technology
- 5.2.2. Material
- 5.2.3. Services

CHAPTER 6. GLOBAL MILITARY 3D PRINTING MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 6.1. Segment Dashboard
- 6.2. Global Military 3D Printing Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)
 - 6.2.1. Tooling, Jigs, and Fixtures
 - 6.2.2. Prototyping
 - 6.2.3. End-Use Parts
 - 6.2.4. Others

CHAPTER 7. GLOBAL MILITARY 3D PRINTING MARKET SIZE & FORECASTS BY END-USE 2022-2032

- 7.1. Segment Dashboard
- 7.2. Global Military 3D Printing Market: End-Use Revenue Trend Analysis, 2022 & 2032 (USD Billion)
 - 7.2.1. Army
 - 7.2.2. Navy
 - 7.2.3. Airforce

CHAPTER 8. GLOBAL MILITARY 3D PRINTING MARKET SIZE & FORECASTS BY REGION 2022-2032

- 7.1. North America Military 3D Printing Market
 - 7.1.1. U.S. Military 3D Printing Market
 - 7.1.1.1. Component Breakdown Size & Forecasts, 2022-2032
 - 7.1.1.2. Application Breakdown Size & Forecasts, 2022-2032
 - 7.1.1.3. End-Use Breakdown Size & Forecasts, 2022-2032
 - 7.1.2. Canada Military 3D Printing Market
- 7.2. Europe Military 3D Printing Market
 - 7.2.1. U.K. Military 3D Printing Market
 - 7.2.2. Germany Military 3D Printing Market
 - 7.2.3. France Military 3D Printing Market
 - 7.2.4. Spain Military 3D Printing Market

- 7.2.5. Italy Military 3D Printing Market
- 7.2.6. Rest of Europe Military 3D Printing Market
- 7.3. Asia-Pacific Military 3D Printing Market
 - 7.3.1. China Military 3D Printing Market
 - 7.3.2. India Military 3D Printing Market
 - 7.3.3. Japan Military 3D Printing Market
 - 7.3.4. Australia Military 3D Printing Market
 - 7.3.5. South Korea Military 3D Printing Market
 - 7.3.6. Rest of Asia-Pacific Military 3D Printing Market
- 7.4. Latin America Military 3D Printing Market
 - 7.4.1. Brazil Military 3D Printing Market
 - 7.4.2. Mexico Military 3D Printing Market
 - 7.4.3. Rest of Latin America Military 3D Printing Market
- 7.5. Middle East & Africa Military 3D Printing Market
 - 7.5.1. Saudi Arabia Military 3D Printing Market
 - 7.5.2. South Africa Military 3D Printing Market
 - 7.5.3. Rest of Middle East & Africa Military 3D Printing Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Materialise
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Market Strategies
 - 9.3.2. Dassault Systems
 - 9.3.3. 3D Systems Inc.
 - 9.3.4. ExOne
 - 9.3.5. Autodesk Inc.
 - 9.3.6. Markforged
 - 9.3.7. Stratasys, Ltd.
 - 9.3.8. General Electric

- 9.3.9. Optomec, Inc.
- 9.3.10. Proto Labs, Inc.
- 9.3.11. Ultimaker BV
- 9.3.12. Fracktal Works Private Limited
- 9.3.13. BAE Systems plc
- 9.3.14. EOS GmbH Electro Optical Systems
- 9.3.15. Raytheon Technologies Corporation

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Military 3D Printing Market, Report Scope

TABLE 2. Global Military 3D Printing Market Estimates & Forecasts by Region
2022-2032 (USD Billion)

TABLE 3. Global Military 3D Printing Market Estimates & Forecasts by Component
2022-2032 (USD Billion)

TABLE 4. Global Military 3D Printing Market Estimates & Forecasts by Application
2022-2032 (USD Billion)

TABLE 5. Global Military 3D Printing Market Estimates & Forecasts by End-Use
2022-2032 (USD Billion)

TABLE 6. Global Military 3D Printing Market by Region, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 7. Global Military 3D Printing Market by Segment, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 8. Global Military 3D Printing Market by Region, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 9. Global Military 3D Printing Market by Segment, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 10. Global Military 3D Printing Market by Region, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 11. Global Military 3D Printing Market by Segment, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 12. Global Military 3D Printing Market by Region, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 13. Global Military 3D Printing Market by Segment, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 14. Global Military 3D Printing Market by Region, Estimates & Forecasts,
2022-2032 (USD Billion)

TABLE 15. U.S. Military 3D Printing Market Estimates & Forecasts, 2022-2032 (USD
Billion)

TABLE 16. U.S. Military 3D Printing Market Estimates & Forecasts by Segment
2022-2032 (USD Billion)

TABLE 17. U.S. Military 3D Printing Market Estimates & Forecasts by Segment
2022-2032 (USD Billion)

TABLE 18. Canada Military 3D Printing Market Estimates & Forecasts, 2022-2032 (USD
Billion)

TABLE 19. Canada Military 3D Printing Market Estimates & Forecasts by Segment
2022-2032 (USD Billion)

TABLE 20. Canada Military 3D Printing Market Estimates & Forecasts by Segment
2022-2032 (USD Billion)

...

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Military 3D Printing Market, Research Methodology
- FIG 2. Global Military 3D Printing Market, Market Estimation Techniques
- FIG 3. Global Market Size Estimates & Forecast Methods
- FIG 4. Global Military 3D Printing Market, Key Trends 2023
- FIG 5. Global Military 3D Printing Market, Growth Prospects 2022-2032
- FIG 6. Global Military 3D Printing Market, Porter's 5 Force Model
- FIG 7. Global Military 3D Printing Market, PESTEL Analysis
- FIG 8. Global Military 3D Printing Market, Value Chain Analysis
- FIG 9. Global Military 3D Printing Market by Segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Military 3D Printing Market by Segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Military 3D Printing Market by Segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Military 3D Printing Market by Segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Military 3D Printing Market by Segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Military 3D Printing Market, Regional Snapshot 2022 & 2032
- FIG 15. North America Military 3D Printing Market 2022 & 2032 (USD Billion)
- FIG 16. Europe Military 3D Printing Market 2022 & 2032 (USD Billion)
- FIG 17. Asia-Pacific Military 3D Printing Market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Military 3D Printing Market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Military 3D Printing Market 2022 & 2032 (USD Billion)
- FIG 20. Global Military 3D Printing Market, Company Market Share Analysis (2023)

...

This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

I would like to order

Product name: Global Military 3D Printing Market Size Study, by Component (Technology, Material, Services), by Application (Tooling, Jigs and Fixtures, Prototyping, End-Use Parts, Others), by End-Use (Army, Navy, Airforce) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G80500215729EN.html>

Price: US\$ 4,950.00 (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/G80500215729EN.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