

Aerospace And Defense Additive Manufacturing Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Application (Structural, Engine, Others), By Platform (Spacecraft, Aircraft, Unmanned Aerial Vehicle), By Technology (Laser Sintering, 3D Printing, Electron Beam Melting, Fused Deposition Modeling, Stereo Lithography), By Region & Competition, 2019-2029F

<https://marketpublishers.com/r/AB7178926068EN.html>

Date: November 2024

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: AB7178926068EN

Abstracts

Global Aerospace And Defense Additive Manufacturing Market was valued at USD 7.20 billion in 2023 and is anticipated to project robust growth in the forecast period with a CAGR of 17.22% through 2029. The global Aerospace and Defense Additive Manufacturing (AM) market is experiencing a remarkable transformation as the industry adopts advanced 3D printing technologies to enhance production efficiency, reduce costs, and improve performance. Additive manufacturing, commonly known as 3D printing, allows for the creation of complex and lightweight components that are critical in aerospace and defense applications. This technology enables manufacturers to produce parts with intricate geometries that are often impossible to achieve with traditional manufacturing methods. As a result, the aerospace and defense sectors are increasingly leveraging AM to produce engine components, airframe structures, and various other parts, leading to significant advancements in aircraft and defense system designs.

One of the primary drivers of the Aerospace and Defense Additive Manufacturing market is the need for rapid prototyping and reduced lead times. Traditional manufacturing processes often involve long lead times and significant costs associated with tooling and setup. In contrast, AM allows for the quick production of prototypes and

functional components, enabling faster iteration and testing of new designs. This capability is particularly valuable in the aerospace and defense industries, where innovation and precision are paramount. Additionally, AM facilitates on-demand production, reducing the need for large inventories and enabling more agile supply chain management. This flexibility is crucial for meeting the evolving demands of the aerospace and defense sectors.

Moreover, additive manufacturing is playing a pivotal role in enhancing the sustainability and environmental impact of aerospace and defense manufacturing. By enabling the production of lighter and more efficient components, AM contributes to fuel savings and reduced emissions in aircraft operations. Furthermore, the ability to produce parts on-demand and closer to the point of use reduces the carbon footprint associated with transportation and logistics. The adoption of AM also supports the industry's efforts to minimize waste, as the additive process typically generates less material waste compared to traditional subtractive manufacturing methods. As sustainability becomes an increasingly important consideration for the aerospace and defense industries, the role of additive manufacturing in promoting greener production practices is expected to grow.

The Aerospace and Defense Additive Manufacturing market is poised for significant growth as the industry continues to explore and exploit the advantages of 3D printing technologies. The ability to produce complex, lightweight, and high-performance components rapidly and cost-effectively is driving the adoption of AM across various applications within the aerospace and defense sectors. As technological advancements continue to enhance the capabilities and scalability of additive manufacturing, it is anticipated that this market will play a critical role in shaping the future of aerospace and defense manufacturing. The emphasis on innovation, efficiency, and sustainability will further accelerate the integration of AM into mainstream production processes, positioning it as a cornerstone of modern aerospace and defense engineering.

Market Drivers

Complexity and Customization in Aerospace Components

One of the primary drivers of the Global Aerospace and Defense Additive Manufacturing Market is the increasing complexity and customization demands in aerospace components. Traditional manufacturing processes face limitations in producing intricate designs and complex geometries. Additive manufacturing (AM), also known as 3D printing, allows for the production of intricate components with reduced weight and enhanced performance. Aerospace and defense industries benefit from AM technologies to manufacture lightweight yet robust parts, meeting the stringent requirements of modern aerospace applications.

Cost Reduction and Efficiency Enhancement

Cost reduction is a critical factor influencing the adoption of additive manufacturing in

the aerospace and defense sectors. Traditional manufacturing methods involve complex machining processes, high material waste, and extensive lead times. Additive manufacturing enables the production of components with minimal material waste, reducing costs associated with raw materials. Additionally, the streamlined manufacturing process enhances overall efficiency, enabling quicker prototyping and production cycles. As a result, aerospace and defense companies are increasingly turning to additive manufacturing to improve cost-effectiveness and operational efficiency.

Advancements in Materials and Technology

Continuous advancements in additive manufacturing materials and technologies contribute significantly to the growth of the aerospace and defense AM market. Innovations in materials, such as high-strength alloys and composite materials, expand the range of applications for additive manufacturing in aerospace. Moreover, ongoing research and development efforts are enhancing the scalability and speed of AM technologies. The evolution of multi-material printing and improvements in printing speeds enable the production of larger and more complex aerospace components. As materials and technologies continue to advance, the aerospace and defense industry will witness increased adoption of additive manufacturing for various applications.

Supply Chain Resilience and Localization

The aerospace and defense industries are characterized by global supply chains that often face disruptions due to geopolitical events, natural disasters, or pandemics. Additive manufacturing provides an opportunity to enhance supply chain resilience by enabling localized and on-demand production. Companies can reduce dependency on a centralized supply chain by establishing distributed manufacturing facilities equipped with additive manufacturing capabilities. This shift towards localized production not only mitigates supply chain risks but also reduces transportation costs and lead times, contributing to a more resilient and responsive aerospace and defense industry.

Lightweighting and Performance Optimization

Weight reduction is a critical factor in aerospace design as it directly influences fuel efficiency, payload capacity, and overall performance. Additive manufacturing allows for the production of lightweight yet structurally robust components, enabling aerospace and defense companies to achieve significant weight savings. This lightweighting strategy is especially crucial for developing fuel-efficient aircraft and improving the performance of unmanned aerial vehicles (UAVs). As the industry continues to prioritize fuel efficiency and environmental sustainability, the demand for additive manufacturing technologies that facilitate lightweighting and performance optimization is expected to grow.

Key Market Challenges

Certification and Regulatory Compliance

One of the primary challenges facing the Global Aerospace and Defense Additive Manufacturing Market is the complex certification and regulatory landscape. Aerospace and defense components must adhere to stringent safety and quality standards to ensure reliable performance and compliance with regulatory requirements.

Traditional manufacturing processes have a well-established history of compliance, and certification processes have been developed over decades.

However, additive manufacturing introduces new variables, including material properties, layer-by-layer manufacturing techniques, and post-processing methods, which can complicate the certification process. Regulatory bodies, such as the Federal Aviation Administration (FAA) in the United States and the European Union Aviation Safety Agency (EASA), are actively working to develop and refine guidelines for certifying additively manufactured parts. The evolving nature of these standards poses a challenge for aerospace and defense companies looking to integrate additive manufacturing into their production processes.

Achieving certification for additively manufactured parts involves demonstrating the consistency, reliability, and safety of the materials and processes used. This requires extensive testing, validation, and collaboration between industry stakeholders and regulatory agencies. As the industry strives to integrate additive manufacturing at a larger scale, addressing these certification challenges is crucial to gaining wider acceptance and trust in the technology.

Material Qualification and Performance Standards

The selection and qualification of materials for additive manufacturing present significant challenges in the aerospace and defense sectors. Traditional manufacturing processes often rely on well-established materials with known properties and performance characteristics. In contrast, additive manufacturing introduces a broader range of materials, including advanced alloys, composites, and polymers, each with unique characteristics.

Ensuring the reliability and performance of additively manufactured parts require rigorous material testing and qualification processes. The aerospace and defense industry demands materials that meet stringent requirements for strength, durability, and resistance to environmental factors such as temperature variations and corrosion. Achieving consistent material properties across different batches and ensuring traceability are critical aspects of material qualification.

Moreover, as additive manufacturing technologies advance, the industry faces the challenge of developing standardized material performance specifications.

Standardization is crucial for ensuring interoperability and enabling the broader adoption of additive manufacturing across the supply chain. The lack of standardized material performance standards poses a hurdle for companies seeking to use additive

manufacturing for critical aerospace and defense applications.

Scalability and Production Speed

While additive manufacturing offers advantages in terms of design flexibility and complexity, challenges related to scalability and production speed persist. Traditional manufacturing methods, such as casting and machining, have well-established processes for large-scale production. In contrast, additive manufacturing, especially for larger components, may face limitations in terms of production speed and scalability. The layer-by-layer nature of additive manufacturing processes can be time-consuming, particularly for large and complex parts. This poses challenges for meeting the high-volume production demands of the aerospace and defense industries. Improving the speed of additive manufacturing processes without compromising quality is a key focus area for technology developers and industry stakeholders.

Scalability also involves considerations beyond the speed of production. It encompasses the ability to replicate consistent quality across multiple machines, locations, and over time. Achieving scalability requires addressing challenges related to process repeatability, equipment standardization, and quality control. As the aerospace and defense sectors seek to incorporate additive manufacturing into their production workflows, overcoming these scalability challenges is essential for realizing the technology's full potential.

Post-Processing and Finishing Requirements

Additively manufactured parts often require post-processing and finishing to meet the desired specifications and quality standards. The nature of layer-by-layer additive manufacturing processes can result in surface roughness, porosity, and other imperfections that need to be addressed. Post-processing steps, such as machining, heat treatment, and surface finishing, are crucial to achieve the required dimensional accuracy and surface quality.

The challenge lies in developing efficient and standardized post-processing methods that do not compromise the benefits of additive manufacturing. Manual post-processing can be time-consuming and may introduce variability in the final product. As the aerospace and defense industries demand higher levels of precision and consistency, addressing post-processing challenges becomes paramount.

Additionally, the environmental and health considerations of post-processing chemicals and techniques pose challenges for sustainable manufacturing practices. The industry is actively exploring innovative solutions for automated and eco-friendly post-processing methods to streamline the production workflow and reduce the environmental impact associated with additive manufacturing.

Cost of Additive Manufacturing Technology Implementation

While additive manufacturing can offer long-term cost savings through reduced material waste and increased design flexibility, the initial investment and implementation costs

pose challenges for widespread adoption in the aerospace and defense sectors. High-quality additive manufacturing machines and equipment, especially those capable of producing large and complex aerospace components, come with significant upfront costs.

Moreover, the training of personnel to operate and maintain additive manufacturing equipment requires investment in education and skill development. Companies also need to consider the cost of transitioning from traditional manufacturing methods to additive manufacturing, including redesigning components for additive processes and integrating new technologies into existing workflows.

Despite the potential for cost savings in material efficiency and design optimization, the aerospace and defense industries may be hesitant to fully commit to additive manufacturing without a clear understanding of the return on investment (ROI) and the total cost of ownership. Addressing these cost-related challenges involves industry collaboration, government support, and ongoing research and development efforts to make additive manufacturing more accessible and cost-effective for aerospace and defense applications.

Key Market Trends

Increasing Adoption of 3D Printing

The global aerospace and defense additive manufacturing market is undergoing significant transformation, driven by the growing adoption of 3D printing technology. This shift is largely due to 3D printing's ability to create intricate and complex structures with exceptional precision. The technology not only reduces weight and material waste but also enables innovative and efficient manufacturing processes. Furthermore, 3D printing's speed and efficiency lead to shorter production timelines compared to traditional methods, enhancing its appeal within the aerospace and defense sectors. For instance, in 2023, analysts project a 17% growth in the manufacturing sector, translating to an additional USD19.9 billion in revenue from 3D printing. Industries such as aerospace, automotive, defense, energy, and medical are capitalizing on 3D printing for its rapid prototyping and capability to produce complex geometries, driving market growth.

Rise of Lightweight and Durable Materials

The demand for lightweight and durable materials in aerospace and defense applications is steadily increasing. This trend is primarily fueled by the urgent need for cost-effective and energy-efficient solutions in aircraft operations, as well as the growing emphasis on sustainability. Additive manufacturing techniques, including the utilization of advanced materials like titanium and high-performance thermoplastics, have emerged as promising solutions to meet these demands. By leveraging these innovative techniques, manufacturers can further enhance the performance, reliability, and overall efficiency of aerospace and defense systems, paving the way for a more

advanced and sustainable future.

Government Investments in Research and Development

Governments worldwide are increasingly prioritizing investments in research and development within the aerospace and defense sectors. This strategic focus has led to significant advancements in additive manufacturing technologies, such as 3D printing, which are transforming manufacturing processes and materials in these industries. These technological innovations are enhancing operational efficiency and cost-effectiveness, while driving market growth and creating new opportunities for innovation and collaboration. For example, the Ministry of Defence aims to achieve a turnover of USD26 billion in aerospace and defense manufacturing by 2025, with USD5 billion earmarked for exports. As of April 2023, 606 industrial licenses have been issued to 369 companies in the defense sector. These developments are expected to further propel market growth during the forecast period.

Increasing Demand for Customized Parts

As the aerospace and defense industries continue to evolve at a rapid pace, there is an ever-growing demand for highly customized parts that meet specific requirements. Additive manufacturing, also known as 3D printing, has emerged as a game-changing technology that enables seamless customization while ensuring exceptional levels of quality and durability. By utilizing this innovative manufacturing process, manufacturers can achieve precise designs, intricate geometries, and superior performance characteristics that were previously unattainable through traditional manufacturing methods. This trend of additive manufacturing is expected to have a profound impact on the market, driving significant growth and unlocking new possibilities for the aerospace and defense sectors.

Growing Importance of Sustainability

The aerospace and defense sectors are at the forefront of a growing movement towards sustainability. As the industry strives to reduce its environmental impact, additive manufacturing emerges as a key solution. By leveraging this innovative technology, companies can minimize waste and greatly reduce the carbon footprint associated with traditional production processes. This shift towards greener manufacturing practices not only benefits the planet but also opens up new opportunities for growth in the aerospace and defense additive manufacturing market in the years to come. With its potential for increased efficiency, cost-effectiveness, and design flexibility, additive manufacturing is poised to revolutionize the industry and pave the way for a more sustainable future.

Segmental Insights

Platform Analysis

The aircraft sector is emerging as the fastest-growing segment in the global aerospace and defense additive manufacturing market. This rapid growth is driven by the

increasing adoption of additive manufacturing technologies, such as 3D printing, for producing high-performance components and parts. The aerospace industry benefits significantly from these technologies due to their ability to create complex geometries, reduce material waste, and shorten production cycles.

Additive manufacturing offers several advantages for aircraft manufacturing, including the ability to produce lightweight and durable components that contribute to overall fuel efficiency and performance. The technology also enables rapid prototyping and customization of parts, which accelerates the development of innovative designs and reduces time-to-market for new aircraft models.

Furthermore, the rising emphasis on maintenance, repair, and overhaul (MRO) operations is fueling demand for additive manufacturing in the aircraft sector. This approach allows for on-demand production of spare parts, minimizing inventory costs and reducing downtime. The integration of additive manufacturing into aircraft production processes is transforming the industry, enhancing efficiency, and driving significant growth in this segment of the aerospace and defense market.

Regional Insights

North America leads the global aerospace and defense additive manufacturing market due to its advanced technological infrastructure, robust defense sector, and significant investments in research and development. The region's dominance is largely driven by its extensive aerospace industry, which includes major aircraft manufacturers and defense contractors that are early adopters of additive manufacturing technologies. The United States, in particular, plays a pivotal role in this market, with substantial government and private sector funding supporting the development and implementation of advanced manufacturing solutions. The U.S. Department of Defense and other military branches are investing heavily in additive manufacturing to enhance the performance and capabilities of their equipment, streamline production processes, and reduce costs.

Additionally, North American companies benefit from a well-established ecosystem of additive manufacturing providers, which supports rapid innovation and deployment of new technologies. The presence of leading aerospace and defense firms in the region also contributes to a high demand for additive manufacturing applications, including lightweight components, rapid prototyping, and custom parts. North America's technological leadership, strong defense sector, and ongoing investments position it as the dominant region in the global aerospace and defense additive manufacturing market.

Key Market Players

3D Systems Corporation

Desktop Metal, Inc.

EOS GmbH

General Electric Company

Optomec, Inc.

Prodways Printers SAS

Renishaw plc

Nikon SLM Solutions AG

RTX Corporation

Stratasys Ltd

Report Scope:

In this report, the Global Aerospace And Defense Additive Manufacturing Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Aerospace And Defense Additive Manufacturing Market, By Application:

Structural

Engine

Others

Aerospace And Defense Additive Manufacturing Market, By Platform:

Spacecraft

Aircraft

Unmanned Aerial Vehicle

Aerospace And Defense Additive Manufacturing Market, By Technology:

Laser Sintering

3D Printing

Electron Beam Melting

Fused Deposition Modeling

Stereolithography

Aerospace And Defense Additive Manufacturing Market, By Region:

Asia-Pacific

China

India

Japan

Indonesia

Thailand

South Korea

Australia

Europe & CIS

Germany

Spain

France

Russia

Italy

United Kingdom

Belgium

North America

United States

Canada

Mexico

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Turkey

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Aerospace And Defense Additive Manufacturing Market.

Available Customizations:

Aerospace And Defense Additive Manufacturing Market – Global Industry Size, Share, Trends, Opportunity, and Fo...

Global Aerospace And Defense Additive Manufacturing Market report with the given market data, TechSci 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. INTRODUCTION

- 1.1. Product Overview
- 1.2. Key Highlights of the Report
- 1.3. Market Coverage
- 1.4. Market Segments Covered
- 1.5. Research Tenure Considered

2. RESEARCH METHODOLOGY

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

3. EXECUTIVE SUMMARY

- 3.1. Market Overview
- 3.2. Market Forecast
- 3.3. Key Regions
- 3.4. Key Segments

4. IMPACT OF COVID-19 ON GLOBAL AEROSPACE AND DEFENSE ADDITIVE MANUFACTURING MARKET

5. GLOBAL AEROSPACE AND DEFENSE ADDITIVE MANUFACTURING MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Application Market Share Analysis (Structural, Engine, Others)
 - 5.2.2. By Platform Market Share Analysis (Spacecraft, Aircraft, Unmanned Aerial Vehicle)

5.2.3. By Technology Market Share Analysis (Laser Sintering, 3D Printing, Electron Beam Melting, Fused Deposition Modeling, Stereo Lithography)

5.2.4. By Regional Market Share Analysis

5.2.4.1. Asia-Pacific Market Share Analysis

5.2.4.2. Europe & CIS Market Share Analysis

5.2.4.3. North America Market Share Analysis

5.2.4.4. South America Market Share Analysis

5.2.4.5. Middle East & Africa Market Share Analysis

5.2.5. By Company Market Share Analysis (Top 5 Companies, Others - By Value, 2023)

5.3. Global Aerospace And Defense Additive Manufacturing Market Mapping & Opportunity Assessment

5.3.1. By Application Market Mapping & Opportunity Assessment

5.3.2. By Platform Market Mapping & Opportunity Assessment

5.3.3. By Technology Market Mapping & Opportunity Assessment

5.3.4. By Regional Market Mapping & Opportunity Assessment

6. ASIA-PACIFIC AEROSPACE AND DEFENSE ADDITIVE MANUFACTURING MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Application Market Share Analysis

6.2.2. By Platform Market Share Analysis

6.2.3. By Technology Market Share Analysis

6.2.4. By Country Market Share Analysis

6.2.4.1. China Market Share Analysis

6.2.4.2. India Market Share Analysis

6.2.4.3. Japan Market Share Analysis

6.2.4.4. Indonesia Market Share Analysis

6.2.4.5. Thailand Market Share Analysis

6.2.4.6. South Korea Market Share Analysis

6.2.4.7. Australia Market Share Analysis

6.2.4.8. Rest of Asia-Pacific Market Share Analysis

6.3. Asia-Pacific: Country Analysis

6.3.1. China Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis
 - 6.3.1.2.2. By Platform Market Share Analysis
 - 6.3.1.2.3. By Technology Market Share Analysis
- 6.3.2. India Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis
 - 6.3.2.2.2. By Platform Market Share Analysis
 - 6.3.2.2.3. By Technology Market Share Analysis
- 6.3.3. Japan Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis
 - 6.3.3.2.2. By Platform Market Share Analysis
 - 6.3.3.2.3. By Technology Market Share Analysis
- 6.3.4. Indonesia Aerospace And Defense Additive Manufacturing Market Outlook
 - 6.3.4.1. Market Size & Forecast
 - 6.3.4.1.1. By Value
 - 6.3.4.2. Market Share & Forecast
 - 6.3.4.2.1. By Application Market Share Analysis
 - 6.3.4.2.2. By Platform Market Share Analysis
 - 6.3.4.2.3. By Technology Market Share Analysis
- 6.3.5. Thailand Aerospace And Defense Additive Manufacturing Market Outlook
 - 6.3.5.1. Market Size & Forecast
 - 6.3.5.1.1. By Value
 - 6.3.5.2. Market Share & Forecast
 - 6.3.5.2.1. By Application Market Share Analysis
 - 6.3.5.2.2. By Platform Market Share Analysis
 - 6.3.5.2.3. By Technology Market Share Analysis
- 6.3.6. South Korea Aerospace And Defense Additive Manufacturing Market Outlook
 - 6.3.6.1. Market Size & Forecast
 - 6.3.6.1.1. By Value
 - 6.3.6.2. Market Share & Forecast
 - 6.3.6.2.1. By Application Market Share Analysis
 - 6.3.6.2.2. By Platform Market Share Analysis
 - 6.3.6.2.3. By Technology Market Share Analysis

6.3.7. Australia Aerospace And Defense Additive Manufacturing Market Outlook

6.3.7.1. Market Size & Forecast

6.3.7.1.1. By Value

6.3.7.2. Market Share & Forecast

6.3.7.2.1. By Application Market Share Analysis

6.3.7.2.2. By Platform Market Share Analysis

6.3.7.2.3. By Technology Market Share Analysis

7. EUROPE & CIS AEROSPACE AND DEFENSE ADDITIVE MANUFACTURING MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Application Market Share Analysis

7.2.2. By Platform Market Share Analysis

7.2.3. By Technology Market Share Analysis

7.2.4. By Country Market Share Analysis

7.2.4.1. Germany Market Share Analysis

7.2.4.2. Spain Market Share Analysis

7.2.4.3. France Market Share Analysis

7.2.4.4. Russia Market Share Analysis

7.2.4.5. Italy Market Share Analysis

7.2.4.6. United Kingdom Market Share Analysis

7.2.4.7. Belgium Market Share Analysis

7.2.4.8. Rest of Europe & CIS Market Share Analysis

7.3. Europe & CIS: Country Analysis

7.3.1. Germany Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

7.3.1.2.2. By Platform Market Share Analysis

7.3.1.2.3. By Technology Market Share Analysis

7.3.2. Spain Aerospace And Defense Additive Manufacturing Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Application Market Share Analysis

- 7.3.2.2.2. By Platform Market Share Analysis
- 7.3.2.2.3. By Technology Market Share Analysis
- 7.3.3. France Aerospace And Defense Additive Manufacturing Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Application Market Share Analysis
 - 7.3.3.2.2. By Platform Market Share Analysis
 - 7.3.3.2.3. By Technology Market Share Analysis
- 7.3.4. Russia Aerospace And Defense Additive Manufacturing Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Application Market Share Analysis
 - 7.3.4.2.2. By Platform Market Share Analysis
 - 7.3.4.2.3. By Technology Market Share Analysis
- 7.3.5. Italy Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis
 - 7.3.5.2.2. By Platform Market Share Analysis
 - 7.3.5.2.3. By Technology Market Share Analysis
- 7.3.6. United Kingdom Aerospace And Defense Additive Manufacturing Market Outlook
 - 7.3.6.1. Market Size & Forecast
 - 7.3.6.1.1. By Value
 - 7.3.6.2. Market Share & Forecast
 - 7.3.6.2.1. By Application Market Share Analysis
 - 7.3.6.2.2. By Platform Market Share Analysis
 - 7.3.6.2.3. By Technology Market Share Analysis
- 7.3.7. Belgium Aerospace And Defense Additive Manufacturing Market Outlook
 - 7.3.7.1. Market Size & Forecast
 - 7.3.7.1.1. By Value
 - 7.3.7.2. Market Share & Forecast
 - 7.3.7.2.1. By Application Market Share Analysis
 - 7.3.7.2.2. By Platform Market Share Analysis
 - 7.3.7.2.3. By Technology Market Share Analysis

8. NORTH AMERICA AEROSPACE AND DEFENSE ADDITIVE MANUFACTURING MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Application Market Share Analysis

8.2.2. By Platform Market Share Analysis

8.2.3. By Technology Market Share Analysis

8.2.4. By Country Market Share Analysis

8.2.4.1. United States Market Share Analysis

8.2.4.2. Mexico Market Share Analysis

8.2.4.3. Canada Market Share Analysis

8.3. North America: Country Analysis

8.3.1. United States Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

8.3.1.2.2. By Platform Market Share Analysis

8.3.1.2.3. By Technology Market Share Analysis

8.3.2. Mexico Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

8.3.2.2.2. By Platform Market Share Analysis

8.3.2.2.3. By Technology Market Share Analysis

8.3.3. Canada Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

8.3.3.2.2. By Platform Market Share Analysis

8.3.3.2.3. By Technology Market Share Analysis

9. SOUTH AMERICA AEROSPACE AND DEFENSE ADDITIVE MANUFACTURING MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Application Market Share Analysis

9.2.2. By Platform Market Share Analysis

9.2.3. By Technology Market Share Analysis

9.2.4. By Country Market Share Analysis

9.2.4.1. Brazil Market Share Analysis

9.2.4.2. Argentina Market Share Analysis

9.2.4.3. Colombia Market Share Analysis

9.2.4.4. Rest of South America Market Share Analysis

9.3. South America: Country Analysis

9.3.1. Brazil Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

9.3.1.2.2. By Platform Market Share Analysis

9.3.1.2.3. By Technology Market Share Analysis

9.3.2. Colombia Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

9.3.2.2.2. By Platform Market Share Analysis

9.3.2.2.3. By Technology Market Share Analysis

9.3.3. Argentina Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

9.3.3.2.2. By Platform Market Share Analysis

9.3.3.2.3. By Technology Market Share Analysis

10. MIDDLE EAST & AFRICA AEROSPACE AND DEFENSE ADDITIVE MANUFACTURING MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Application Market Share Analysis

10.2.2. By Platform Market Share Analysis

10.2.3. By Technology Market Share Analysis

10.2.4. By Country Market Share Analysis

10.2.4.1. South Africa Market Share Analysis

10.2.4.2. Turkey Market Share Analysis

10.2.4.3. Saudi Arabia Market Share Analysis

10.2.4.4. UAE Market Share Analysis

10.2.4.5. Rest of Middle East & Africa Market Share Analysis

10.3. Middle East & Africa: Country Analysis

10.3.1. South Africa Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

10.3.1.2.2. By Platform Market Share Analysis

10.3.1.2.3. By Technology Market Share Analysis

10.3.2. Turkey Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

10.3.2.2.2. By Platform Market Share Analysis

10.3.2.2.3. By Technology Market Share Analysis

10.3.3. Saudi Arabia Aerospace And Defense Additive Manufacturing 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 Application Market Share Analysis

10.3.3.2.2. By Platform Market Share Analysis

10.3.3.2.3. By Technology Market Share Analysis

10.3.4. UAE Aerospace And Defense Additive Manufacturing Market Outlook

10.3.4.1. Market Size & Forecast

10.3.4.1.1. By Value

10.3.4.2. Market Share & Forecast

10.3.4.2.1. By Application Market Share Analysis

10.3.4.2.2. By Platform Market Share Analysis

10.3.4.2.3. By Technology Market Share Analysis

11. SWOT ANALYSIS

- 11.1. Strength
- 11.2. Weakness
- 11.3. Opportunities
- 11.4. Threats

12. MARKET DYNAMICS

- 12.1. Market Drivers
- 12.2. Market Challenges

13. MARKET TRENDS AND DEVELOPMENTS

14. COMPETITIVE LANDSCAPE

- 14.1. Company Profiles (Up to 10 Major Companies)
 - 14.1.1. 3D Systems Corporation
 - 14.1.1.1. Company Details
 - 14.1.1.2. Key Product Offered
 - 14.1.1.3. Financials (As Per Availability)
 - 14.1.1.4. Recent Developments
 - 14.1.1.5. Key Management Personnel
 - 14.1.2. Desktop Metal, Inc.
 - 14.1.2.1. Company Details
 - 14.1.2.2. Key Product Offered
 - 14.1.2.3. Financials (As Per Availability)
 - 14.1.2.4. Recent Developments
 - 14.1.2.5. Key Management Personnel
 - 14.1.3. EOS GmbH
 - 14.1.3.1. Company Details
 - 14.1.3.2. Key Product Offered
 - 14.1.3.3. Financials (As Per Availability)
 - 14.1.3.4. Recent Developments
 - 14.1.3.5. Key Management Personnel
 - 14.1.4. General Electric Company
 - 14.1.4.1. Company Details
 - 14.1.4.2. Key Product Offered

- 14.1.4.3. Financials (As Per Availability)
- 14.1.4.4. Recent Developments
- 14.1.4.5. Key Management Personnel
- 14.1.5. Optomec, Inc.
 - 14.1.5.1. Company Details
 - 14.1.5.2. Key Product Offered
 - 14.1.5.3. Financials (As Per Availability)
 - 14.1.5.4. Recent Developments
 - 14.1.5.5. Key Management Personnel
- 14.1.6. Prodways Printers SAS
 - 14.1.6.1. Company Details
 - 14.1.6.2. Key Product Offered
 - 14.1.6.3. Financials (As Per Availability)
 - 14.1.6.4. Recent Developments
 - 14.1.6.5. Key Management Personnel
- 14.1.7. Renishaw plc
 - 14.1.7.1. Company Details
 - 14.1.7.2. Key Product Offered
 - 14.1.7.3. Financials (As Per Availability)
 - 14.1.7.4. Recent Developments
 - 14.1.7.5. Key Management Personnel
- 14.1.8. Nikon SLM Solutions AG
 - 14.1.8.1. Company Details
 - 14.1.8.2. Key Product Offered
 - 14.1.8.3. Financials (As Per Availability)
 - 14.1.8.4. Recent Developments
 - 14.1.8.5. Key Management Personnel
- 14.1.9. RTX Corporation
 - 14.1.9.1. Company Details
 - 14.1.9.2. Key Product Offered
 - 14.1.9.3. Financials (As Per Availability)
 - 14.1.9.4. Recent Developments
 - 14.1.9.5. Key Management Personnel
- 14.1.10. Stratasys Ltd
 - 14.1.10.1. Company Details
 - 14.1.10.2. Key Product Offered
 - 14.1.10.3. Financials (As Per Availability)
 - 14.1.10.4. Recent Developments
 - 14.1.10.5. Key Management Personnel

15. STRATEGIC RECOMMENDATIONS

15.1. Key Focus Areas

15.1.1. Target Regions

15.1.2. Target By Application

15.1.3. Target By Platform

16. ABOUT US & DISCLAIMER

I would like to order

Product name: Aerospace And Defense Additive Manufacturing Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Application (Structural, Engine, Others), By Platform (Spacecraft, Aircraft, Unmanned Aerial Vehicle), By Technology (Laser Sintering, 3D Printing, Electron Beam Melting, Fused Deposition Modeling, Stereo Lithography), By Region & Competition, 2019-2029F

Product link: <https://marketpublishers.com/r/AB7178926068EN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AB7178926068EN.html>