

North America 3D Printing Market By Component (Hardware, Software, Services), By Printer Type (Desktop 3D Printer, Industrial Printer), By Technology (Stereolithography, Fuse Deposition Modeling, Selective Laser Sintering, Electron Beam Melting, Laminated Object Manufacturing, Others), By Process (Powder Bed Fusion, Vat Polymerization/ Liquid Based, Material Extrusion, Binder Jetting, Material Jetting, Others), By Vertical (Automobile, Consumer Electronics, Medical, Aerospace & Defense, Education, Others), By Country, Competition, Forecast and Opportunities, 2019-2029F

Market Report | 2024-09-20 | 134 pages | TechSci Research

AVAILABLE LICENSES:

- Single User License \$4400.00
- Multi-User License \$5400.00
- Custom Research License \$8400.00

Report description:

The North America 3D Printing Market was valued at USD 6.92 Billion in 2023 and is expected to reach USD 17.53 Billion by 2029 with a CAGR of 16.58% during the forecast period.

The North America 3D printing market is experiencing significant growth, driven by advancements in technology, increased adoption across industries, and growing investments in research and development. The market, which encompasses various components such as hardware, software, services, and materials, is largely supported by industries like automotive, aerospace, healthcare, and manufacturing. The ongoing demand for customized products and the shift toward on-demand production are major factors propelling the expansion of 3D printing in the region.

In the automotive and aerospace sectors, 3D printing offers enhanced design flexibility, enabling the production of complex and

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

lightweight parts with greater precision. This capability is particularly crucial in reducing overall vehicle weight, thereby improving fuel efficiency and performance. In the healthcare industry, 3D printing is being increasingly utilized to produce patient-specific medical implants, prosthetics, and even bioprinted organs, revolutionizing the way treatments are delivered. As technology evolves, the potential for personalized healthcare solutions continues to grow, contributing to the expansion of the 3D printing market in North America.

One of the key trends influencing market growth is the shift from prototyping to full-scale production. Traditionally, 3D printing was predominantly used for prototyping due to its ability to create detailed models quickly and cost-effectively. However, as technologies advance, particularly with metal and polymer-based 3D printers, there is a notable move toward end-use production, making 3D printing a viable option for mass manufacturing. This transition is particularly evident in industries like consumer electronics, where companies are leveraging the technology for rapid product iterations and shorter time-to-market. Furthermore, government initiatives and funding are playing a significant role in supporting the 3D printing ecosystem in North America. Various programs are aimed at promoting innovation, enhancing manufacturing capabilities, and supporting the development of skilled labor to meet the growing demand for 3D printing expertise. Additionally, collaborations between industry players, academic institutions, and research organizations are fostering the development of new materials and advanced printing techniques.

Key Market Drivers

Technological Advancements in 3D Printing

The North America 3D printing market is primarily driven by continuous technological advancements. Innovations such as multi-material printing, hybrid manufacturing, and improvements in speed, precision, and scalability are expanding the capabilities of 3D printing. For instance, metal 3D printing, which initially faced challenges related to cost and reliability, has seen significant breakthroughs in recent years. Techniques like Direct Metal Laser Sintering (DMLS) and Electron Beam Melting (EBM) are now being widely adopted across industries like aerospace, automotive, and healthcare. Furthermore, the integration of AI and machine learning with 3D printing processes is enhancing production efficiency and material optimization. These developments allow for better design flexibility, shorter production times, and cost-effective manufacturing, which are critical for the adoption of 3D printing in end-use production. As technology continues to evolve, the range of applications for 3D printing in North America is expected to expand, driving market growth.

Rising Demand for Customized Products

The increasing demand for personalized and customized products across various industries is a major driver of the North America 3D printing market. Industries such as healthcare, automotive, and consumer goods are leveraging 3D printing's ability to produce customized products tailored to specific customer needs. In the healthcare sector, for example, 3D printing is being used to create patient-specific medical devices, implants, and prosthetics. This customization ensures better fit and functionality, improving patient outcomes. Similarly, in the consumer goods sector, 3D printing allows for the production of customized jewelry, footwear, and fashion accessories. The automotive industry is also adopting 3D printing for customized parts and components that are designed according to specific vehicle models. The growing trend towards mass customization is expected to fuel the adoption of 3D printing technologies, as traditional manufacturing methods are often too rigid or costly to accommodate individualized production.

Growing Adoption in Aerospace and Defense Industries

The aerospace and defense industries in North America are significant adopters of 3D printing technologies. The ability to produce lightweight yet durable components with intricate geometries makes 3D printing particularly attractive to these sectors. In aerospace, weight reduction is a critical factor as it directly impacts fuel efficiency and operational costs. By using 3D printing, manufacturers can create complex structures that are both strong and lightweight, something traditional manufacturing methods struggle to achieve. Additionally, the defense industry benefits from the flexibility and speed that 3D printing offers, enabling rapid prototyping and the production of mission-critical components on demand. This is especially important in scenarios where supply chains are disrupted, and immediate part replacement is required. The increasing focus on enhancing operational efficiency, coupled with the ongoing innovation in material science, is expected to drive further adoption of 3D printing in these sectors, boosting market growth in North America.

Government Initiatives and Funding Support

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Government initiatives and funding play a vital role in driving the North America 3D printing market. Federal and state governments are actively promoting the adoption of advanced manufacturing technologies, including 3D printing, as part of broader initiatives to strengthen domestic manufacturing capabilities and maintain technological leadership. Programs such as the National Network for Manufacturing Innovation (NNMI) and America Makes are focused on accelerating the development and deployment of 3D printing technologies by providing funding, infrastructure, and training. Additionally, government agencies are partnering with academic institutions and private enterprises to foster innovation and develop skilled workforces. Grants and subsidies are also being provided to small and medium-sized enterprises (SMEs) to encourage the adoption of 3D printing technology. These initiatives not only lower the barriers to entry for companies but also stimulate research and development efforts, resulting in new applications and broader market adoption.

Key Market Challenges

High Initial Investment Costs

One of the most significant challenges facing the North American 3D printing market is the high initial investment required for adopting this technology. While 3D printing is often praised for its long-term cost benefits, such as reduced material waste and faster production cycles, the upfront costs associated with acquiring advanced 3D printers, software, and skilled labor can be prohibitively expensive for many businesses. Industrial-grade 3D printers, which are capable of producing high-quality and complex parts, often come with a steep price tag that can range from tens of thousands to several hundred thousand dollars. Moreover, businesses need to invest in specialized software that facilitates design and production, as well as in ongoing maintenance and upgrades. These high costs create a barrier to entry, particularly for small and medium-sized enterprises (SMEs), limiting the widespread adoption of 3D printing in North America. For many companies, the return on investment (ROI) is not immediately clear, especially in industries where traditional manufacturing methods are well-established and already optimized for efficiency. As a result, businesses may be hesitant to transition from conventional production methods to 3D printing without concrete proof of financial gains.

Complexity of Integrating with Traditional Manufacturing

Another challenge in the North American 3D printing market is the difficulty of integrating additive manufacturing processes into traditional manufacturing workflows. Unlike conventional manufacturing methods, which are well-understood and have established protocols, 3D printing requires a different set of skills, tools, and approaches. For businesses accustomed to mass production through injection molding, CNC machining, or casting, the integration of 3D printing presents several hurdles. Issues such as maintaining consistent quality across different production batches, ensuring scalability for large volumes, and aligning with existing supply chain and production schedules can be daunting. Additionally, the digital nature of 3D printing necessitates greater collaboration between design, engineering, and production teams, often requiring new training and changes in workflow management. These complexities can slow down adoption rates, as companies weigh the benefits of 3D printing against the potential disruptions it could introduce into their established processes. Moreover, in sectors where precision and reliability are paramount, such as aerospace and medical device manufacturing, the lack of standardization and certification protocols for 3D printed parts can create further integration challenges. The need for developing new quality control systems and gaining regulatory approval can delay the full-scale adoption of 3D printing.

Intellectual Property (IP) Concerns

The issue of intellectual property (IP) protection poses a significant challenge in the North American 3D printing market. The nature of 3D printing technology, which relies heavily on digital files for production, makes it vulnerable to unauthorized reproduction and distribution. As the technology advances and becomes more accessible, concerns over IP theft have grown. Companies that invest heavily in the research and development of new products risk having their designs copied and shared without their consent, leading to potential financial losses. This is particularly concerning in industries like consumer goods, automotive, and fashion, where design uniqueness is a critical competitive advantage. The ease with which digital files can be replicated, modified, and distributed online increases the likelihood of IP infringement. Current legal frameworks have struggled to keep pace with the rapid evolution of 3D printing technology, leaving businesses with limited recourse in the event of IP violations. This challenge is further compounded by the global nature of 3D printing, where products designed in one country can be easily reproduced in another, complicating enforcement across different jurisdictions. As a result, some companies may be hesitant to fully embrace 3D printing, fearing that their valuable designs could be compromised. Addressing these concerns will require not

only advances in technology, such as secure file-sharing systems and watermarking, but also stronger legal protections and international agreements that can adapt to the nuances of digital manufacturing.

Material Limitations and High Costs

The North American 3D printing market faces significant material-related challenges, particularly in terms of availability, performance, and cost. Although there has been notable progress in the development of new materials for 3D printing, such as high-strength polymers, metals, and biocompatible substances, the range of materials that are widely available and suitable for diverse applications remains limited. For many industries, material performance is a critical factor, especially in sectors like aerospace, automotive, and healthcare, where durability, safety, and compliance with industry standards are non-negotiable. The development of specialized materials that can meet these stringent requirements is often time-consuming and expensive, limiting their adoption. Additionally, the high cost of these advanced materials can be a deterrent for companies considering large-scale production using 3D printing. Unlike traditional manufacturing methods, which benefit from economies of scale when it comes to raw material procurement, 3D printing often incurs higher per-unit costs for materials, especially in the case of small batch production. This challenge is particularly acute for businesses that operate on tight margins, as the cost savings realized in other areas of the production process may be offset by the expense of acquiring high-quality printing materials. As a result, the choice of materials available for 3D printing is often a limiting factor, influencing the type of products that can be feasibly manufactured and the industries that can benefit most from the technology.

Regulatory and Certification Barriers

Regulatory and certification issues present another challenge for the North American 3D printing market. As 3D printing increasingly moves from prototyping to full-scale production, particularly in highly regulated industries like aerospace, healthcare, and defense, ensuring compliance with safety, quality, and performance standards becomes crucial. The lack of established certification pathways for 3D printed products creates uncertainty for manufacturers and can slow down the adoption of the technology. For example, in the medical field, gaining regulatory approval for 3D printed implants, prosthetics, and other devices can be a lengthy and complex process, involving rigorous testing to demonstrate that the products meet all necessary safety standards. Similarly, in the aerospace sector, 3D printed parts need to comply with strict industry certifications, which often require extensive documentation, testing, and validation. The absence of uniform standards and clear regulatory guidelines for additive manufacturing means that each new product may require a case-by-case evaluation, increasing time-to-market and overall costs. Moreover, as new materials and techniques are introduced, existing regulations may need to be updated to account for the unique characteristics of 3D printed products. This regulatory complexity not only creates operational challenges for companies but also introduces legal and compliance risks. Overcoming these barriers will require greater collaboration between industry stakeholders, regulators, and standardization bodies to develop frameworks that facilitate the safe and efficient integration of 3D printing into mainstream production.

Key Market Trends

Growth of Metal 3D Printing

The growth of metal 3D printing in North America is one of the most significant trends in the market. Metal 3D printing, also known as additive manufacturing, is increasingly being adopted across industries such as aerospace, automotive, and medical devices. The demand for lightweight, durable, and complex metal components is driving this trend. In aerospace, for instance, metal 3D printing allows for the production of parts with intricate geometries that are difficult or impossible to achieve through traditional manufacturing methods. This not only reduces the weight of components but also enhances fuel efficiency and performance, crucial in an industry where even minor improvements can lead to significant cost savings. In the automotive sector, the ability to produce custom and high-performance parts quickly and cost-effectively is another driving force behind the adoption of metal 3D printing. Furthermore, in the medical industry, metal 3D printing is enabling the creation of patient-specific implants and prosthetics, improving treatment outcomes and patient satisfaction. As advancements in metal 3D printing technologies continue, including improvements in printing speed, material diversity, and quality control, the market is expected to see sustained growth. Additionally, the decreasing cost of metal 3D printers and materials is making this technology more accessible to small and medium-sized enterprises (SMEs), further expanding its market reach. This trend is also supported by increased research and development efforts aimed at improving the properties of metal powders and the capabilities of 3D printing systems. Overall, the growth of metal 3D printing is poised to revolutionize manufacturing processes across multiple industries in North

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

America, offering new opportunities for innovation and efficiency.

Rise of On-Demand Production

The rise of on-demand production is a transformative trend in the North America 3D printing market, reshaping traditional manufacturing and supply chain models. On-demand production refers to the ability to produce goods as they are needed rather than relying on large inventories of pre-manufactured items. This trend is particularly impactful in industries such as consumer electronics, automotive, and healthcare, where customization and quick turnaround times are highly valued. The flexibility offered by 3D printing technology allows companies to produce highly customized products tailored to individual customer specifications. This is especially beneficial in the healthcare sector, where 3D printing is being used to create patient-specific medical devices, prosthetics, and even surgical tools. The ability to produce these items on demand reduces waste, lowers inventory costs, and ensures that products are available exactly when needed. In the automotive and consumer electronics industries, on-demand production enables rapid prototyping and iterative design processes, allowing companies to bring new products to market faster and with greater agility. This trend also supports sustainability initiatives, as it reduces the need for mass production and the associated material waste and energy consumption. Moreover, on-demand production is fostering the growth of localized manufacturing, where products are produced closer to the point of use, reducing shipping costs and carbon emissions. As 3D printing technology continues to advance, particularly in terms of printing speed, material capabilities, and automation, the rise of on-demand production is expected to accelerate, offering significant advantages to companies in North America seeking to optimize their manufacturing processes and respond more effectively to changing market demands.

Integration of AI and Machine Learning in 3D Printing

The integration of artificial intelligence (AI) and machine learning (ML) into the 3D printing process is a growing trend that is set to enhance the capabilities and efficiency of the technology in North America. AI and ML are being increasingly utilized to optimize various aspects of 3D printing, from design and material selection to real-time process monitoring and quality control. One of the key benefits of integrating AI into 3D printing is the ability to automate the design process. AI-driven design software can generate optimized geometries that maximize the strength and performance of a printed object while minimizing material usage. This is particularly valuable in industries such as aerospace and automotive, where weight reduction is a critical factor. Additionally, AI can be used to predict and mitigate potential issues in the printing process, such as warping or layer adhesion problems, ensuring higher quality and more reliable end products. Machine learning algorithms, on the other hand, can analyze large datasets generated during the printing process to identify patterns and correlations that can be used to improve efficiency and consistency. For instance, ML can help optimize print settings for different materials and designs, leading to faster print times and reduced material waste. Moreover, the integration of AI and ML into 3D printing is enabling the development of more advanced and autonomous printing systems that require less human intervention. These systems can self-adjust in real-time based on feedback from sensors and cameras, ensuring optimal print quality. As AI and ML technologies continue to evolve, their integration into 3D printing is expected to drive significant improvements in speed, precision, and overall productivity, making the technology even more attractive to industries in North America.

Expansion of 3D Printing in Healthcare

The expansion of 3D printing in healthcare is a major trend in the North America market, driven by the technology's ability to produce highly customized and patient-specific medical devices, implants, and even biological tissues. The healthcare sector is increasingly adopting 3D printing for a wide range of applications, from creating anatomical models for surgical planning to producing custom prosthetics and orthotics. One of the most promising areas of growth is in the field of bioprinting, where living cells are printed layer by layer to create tissues and organs. While still in its early stages, bioprinting holds the potential to revolutionize organ transplantation by providing an alternative to donor organs, which are often in short supply. In the meantime, 3D printing is already making a significant impact by enabling the production of patient-specific implants, such as cranial plates, dental implants, and joint replacements, which are tailored to the exact anatomical structure of the patient. This customization improves the fit, function, and overall success of these implants, leading to better patient outcomes. Additionally, 3D printing is being used to produce personalized surgical instruments that are specifically designed for the anatomy of individual patients, making surgeries more precise and less invasive. The ability to quickly produce these customized devices also reduces lead times and costs, making advanced medical treatments more accessible. Furthermore, 3D printing is facilitating the development of innovative drug delivery systems, such as customized pills and implants that release medication at controlled rates. As the

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

technology continues to advance and regulatory frameworks evolve, the expansion of 3D printing in healthcare is expected to accelerate, offering new possibilities for personalized medicine and improved patient care in North America.

Segmental Insights

Technology Insights

Stereolithography segment dominated in the North America 3D Printing market in 2023 due to its unique capabilities, versatility, and widespread adoption across various industries. SLA is one of the oldest and most reliable 3D printing technologies, known for its precision, high-quality surface finish, and ability to produce intricate designs. The technology uses a laser to cure liquid resin into solid layers, allowing for the production of highly detailed prototypes, functional parts, and complex geometries that are difficult to achieve with other methods.

One of the primary reasons for SLA's dominance is its extensive use in industries like healthcare, automotive, aerospace, and consumer goods. In healthcare, SLA is favored for producing medical devices, dental implants, and anatomical models due to its high resolution and biocompatibility. The technology allows for the creation of patient-specific solutions, which is critical for personalized medicine. Additionally, in the dental industry, SLA's accuracy and smooth surface finish make it ideal for fabricating crowns, bridges, and orthodontic devices.

The automotive and aerospace sectors also contribute significantly to SLA's leading position. In these industries, rapid prototyping and the production of lightweight, high-performance parts are crucial. SLA offers the speed and accuracy needed for iterative design and testing processes, helping companies reduce time-to-market while maintaining product quality. The ability to produce complex components with fine details makes SLA an attractive choice for these sectors. Another factor driving SLA's dominance is the continuous advancements in material science. A growing range of resins, including those with enhanced mechanical properties, temperature resistance, and transparency, are available, making SLA suitable for an even broader range of applications. Moreover, the technology's scalability and decreasing costs make it accessible not only to large corporations but also to small and medium-sized enterprises (SMEs) looking to leverage 3D printing.

Regional Insights

United States dominated the North America 3D Printing market in 2023 due to several key factors, including its advanced industrial infrastructure, technological leadership, strong research and development (R&D) ecosystem, and widespread adoption across diverse industries. As a global hub for innovation, the U.S. has consistently led in the development and commercialization of 3D printing technologies. Major 3D printing companies and research institutions are headquartered in the U.S., driving continuous advancements in hardware, software, and materials. These innovations have expanded the application of 3D printing across sectors like aerospace, automotive, healthcare, and consumer goods. One of the significant contributors to the U.S.'s dominance is its robust manufacturing sector, which has rapidly embraced 3D printing for prototyping, tooling, and even full-scale production. The aerospace and defense industries, in particular, have been early adopters of 3D printing, leveraging its capabilities to produce lightweight, high-performance components with complex geometries. The U.S. government and defense agencies, such as the Department of Defense (DoD), have also been actively investing in 3D printing technologies, further accelerating market growth.

In healthcare, the U.S. leads in adopting 3D printing for personalized medical devices, prosthetics, and bioprinting applications. The country's well-established healthcare system and regulatory framework, combined with a high level of investment in medical research, have positioned the U.S. as a leader in integrating 3D printing into clinical practices. Moreover, the U.S. benefits from a favorable business environment that encourages innovation and entrepreneurship. Significant venture capital funding and government grants are directed toward 3D printing startups and research initiatives, enabling rapid development and commercialization of new technologies. The country's extensive network of universities and research institutions also plays a crucial role in advancing 3D printing through academic-industry collaborations. Additionally, the presence of a large consumer base with a growing demand for customized products further drives 3D printing adoption in industries like consumer electronics and fashion. This combination of technological leadership, industry adoption, and supportive infrastructure makes the United States the dominant force in the North America 3D printing market in 2023.

Key Market Players

□ Stratasys Ltd

□ 3D Systems Corporation

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- EOS GmbH
- General Electric Company
- Sisma SpA
- ExOne Operating, LLC
- Nikon SLM Solutions AG
- Proto Labs, Inc.
- HP Inc.
- Nano Dimension Ltd.
- Materialise NV
- voxeljet AG

Report Scope:

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

□ North America 3D Printing Market, By Component:

- o Hardware
- o Software
- o Services

□ North America 3D Printing Market, By Printer Type:

- o Desktop 3D Printer
- o Industrial Printer

□ North America 3D Printing Market, By Technology:

- o Stereolithography
- o Fuse Deposition Modeling
- o Selective Laser Sintering
- o Electron Beam Melting
- o Laminated Object Manufacturing
- o Others

□ North America 3D Printing Market, By Process:

- o Powder Bed Fusion
- o Vat Polymerization/ Liquid Based
- o Material Extrusion
- o Binder Jetting
- o Material Jetting
- o Others

□ North America 3D Printing Market, By Vertical:

- o Automobile
- o Consumer Electronics
- o Medical
- o Aerospace & Defense
- o Education
- o Others

□ North America 3D Printing Market, By Country:

- o United States
- o Canada
- o Mexico

Competitive Landscape

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

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Available Customizations:

North America 3D Printing 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).

Table of Contents:

1. Product Overview
 - 1.1. Market Definition
 - 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations
2. Research Methodology
 - 2.1. Baseline Methodology
 - 2.2. Key Industry Partners
 - 2.3. Major Association and Secondary Sources
 - 2.4. Forecasting Methodology
 - 2.5. Data Triangulation & Validation
 - 2.6. Assumptions and Limitations
3. Executive Summary
4. Voice of Customer
5. North America 3D Printing Market Outlook
 - 5.1. Market Size & Forecast
 - 5.1.1. By Value
 - 5.2. Market Share & Forecast
 - 5.2.1. By Component (Hardware, Software, Services)
 - 5.2.2. By Printer Type (Desktop 3D Printer, Industrial Printer)
 - 5.2.3. By Technology (Stereolithography, Fuse Deposition Modeling, Selective Laser Sintering, Electron Beam Melting, Laminated Object Manufacturing, Others)
 - 5.2.4. By Process (Powder Bed Fusion, Vat Polymerization/ Liquid Based, Material Extrusion, Binder Jetting, Material Jetting, Others)
 - 5.2.5. By Vertical (Automobile, Consumer Electronics, Medical, Aerospace & Defense, Education, Others)
 - 5.2.6. By Country (United States, Canada, Mexico)
 - 5.3. By Company (2023)
 - 5.4. Market Map
6. United States 3D Printing Market Outlook
 - 6.1. Market Size & Forecast
 - 6.1.1. By Value
 - 6.2. Market Share & Forecast
 - 6.2.1. By Component
 - 6.2.2. By Printer Type
 - 6.2.3. By Technology
 - 6.2.4. By Process
 - 6.2.5. By Vertical
7. Canada 3D Printing Market Outlook
 - 7.1. Market Size & Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Component
 - 7.2.2. By Printer Type
 - 7.2.3. By Technology
 - 7.2.4. By Process
 - 7.2.5. By Vertical
- 8. Mexico 3D Printing Market Outlook
 - 8.1. Market Size & Forecast
 - 8.1.1. By Value
 - 8.2. Market Share & Forecast
 - 8.2.1. By Component
 - 8.2.2. By Printer Type
 - 8.2.3. By Technology
 - 8.2.4. By Process
 - 8.2.5. By Vertical
- 9. Market Dynamics
 - 9.1. Drivers
 - 9.2. Challenges
- 10. Market Trends and Developments
- 11. Company Profiles
 - 11.1. Stratasys Ltd
 - 11.1.1. Business Overview
 - 11.1.2. Key Revenue and Financials
 - 11.1.3. Recent Developments
 - 11.1.4. Key Personnel
 - 11.1.5. Key Product/Services Offered
 - 11.2. 3D Systems Corporation
 - 11.2.1. Business Overview
 - 11.2.2. Key Revenue and Financials
 - 11.2.3. Recent Developments
 - 11.2.4. Key Personnel
 - 11.2.5. Key Product/Services Offered
 - 11.3. EOS GmbH
 - 11.3.1. Business Overview
 - 11.3.2. Key Revenue and Financials
 - 11.3.3. Recent Developments
 - 11.3.4. Key Personnel
 - 11.3.5. Key Product/Services Offered
 - 11.4. General Electric Company
 - 11.4.1. Business Overview
 - 11.4.2. Key Revenue and Financials
 - 11.4.3. Recent Developments
 - 11.4.4. Key Personnel
 - 11.4.5. Key Product/Services Offered
 - 11.5. Sisma SpA
 - 11.5.1. Business Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 11.5.2. Key Revenue and Financials
- 11.5.3. Recent Developments
- 11.5.4. Key Personnel
- 11.5.5. Key Product/Services Offered
- 11.6. ExOne Operating, LLC
- 11.6.1. Business Overview
- 11.6.2. Key Revenue and Financials
- 11.6.3. Recent Developments
- 11.6.4. Key Personnel
- 11.6.5. Key Product/Services Offered
- 11.7. Nikon SLM Solutions AG
- 11.7.1. Business Overview
- 11.7.2. Key Revenue and Financials
- 11.7.3. Recent Developments
- 11.7.4. Key Personnel
- 11.7.5. Key Product/Services Offered
- 11.8. Proto Labs, Inc.
- 11.8.1. Business Overview
- 11.8.2. Key Revenue and Financials
- 11.8.3. Recent Developments
- 11.8.4. Key Personnel
- 11.8.5. Key Product/Services Offered
- 11.9. HP Inc.
- 11.9.1. Business Overview
- 11.9.2. Key Revenue and Financials
- 11.9.3. Recent Developments
- 11.9.4. Key Personnel
- 11.9.5. Key Product/Services Offered
- 11.10. Nano Dimension Ltd.
- 11.10.1. Business Overview
- 11.10.2. Key Revenue and Financials
- 11.10.3. Recent Developments
- 11.10.4. Key Personnel
- 11.10.5. Key Product/Services Offered
- 11.11. Materialise NV
- 11.11.1. Business Overview
- 11.11.2. Key Revenue and Financials
- 11.11.3. Recent Developments
- 11.11.4. Key Personnel
- 11.11.5. Key Product/Services Offered
- 11.12. voxeljet AG
- 11.12.1. Business Overview
- 11.12.2. Key Revenue and Financials
- 11.12.3. Recent Developments
- 11.12.4. Key Personnel
- 11.12.5. Key Product/Services Offered
- 12. Strategic Recommendations

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

North America 3D Printing Market By Component (Hardware, Software, Services), By Printer Type (Desktop 3D Printer, Industrial Printer), By Technology (Stereolithography, Fuse Deposition Modeling, Selective Laser Sintering, Electron Beam Melting, Laminated Object Manufacturing, Others), By Process (Powder Bed Fusion, Vat Polymerization/ Liquid Based, Material Extrusion, Binder Jetting, Material Jetting, Others), By Vertical (Automobile, Consumer Electronics, Medical, Aerospace & Defense, Education, Others), By Country, Competition, Forecast and Opportunities, 2019-2029F

Market Report | 2024-09-20 | 134 pages | TechSci Research

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4400.00
	Multi-User License	\$5400.00
	Custom Research License	\$8400.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-08"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com