Europe 3D Printing - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 100 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License $4750.00
- Team License (1-7 Users) $5250.00
- Site License $6500.00
- Corporate License $8750.00

Report description:

The Europe 3D Printing Market size is estimated at USD 6 billion in 2024, and is expected to reach USD 11.54 billion by 2029, growing at a CAGR of 14% during the forecast period (2024-2029).

Europe is a major hub for 3D printing technology. In Europe, the majority of demand is coming from SMEs that need high-speed, robust, and reasonably priced prototypes.

Key Highlights
-The use of 3D printing technology will radically disrupt conventional production in many sectors, as it is capable of delivering differentiated products and solutions at a lower cost. This technology is taking the lead in Europe, thanks to initiatives and spending of governments, opportunities for offering customized products through 3D printing, increased efficiency as well and higher product quality.
-The increase in the rate of adoption of 3D printing technology in various application segments, such as industrial products, aerospace, automotive, defense, healthcare, education & research, are facilitating the growth of the 3D printing market.
-However, the significant barrier to implementing 3D printing technology has been identified as expensive initial costs. This expenditure includes software, hardware, materials, additive and manufacturing expertise, certification, and worker training. The cash and manpower necessary to build a three-dimensional system are significantly more than those needed for standard printing technologies. However, with the commercial desktop 3D printer launch, companies are assisting end-customers in lowering the expensive initial expenses.
-The significant penetration of 3D printing technology was observed in important industry segments like health and aeronautics, where growth is increasing at a promising rate. 3D printing is helping to create more efficient processes in the aerospace sector; aircraft manufacturers have invested billions in developing the use of metal powders through this technology to make turbine

blades, jet engine combustion nozzles, and structural parts.
-Nonetheless, some of the major factors inhibiting market growth include lack of standard process control and limited availability or significant costs in terms of 3D printing materials.
-The industry was primarily impacted by various COVID-19-related challenges, such as a shortage of qualified staff and project delays or cancellations due to partial or total lockdowns globally. Furthermore, the increased use of smart architecture technologies in the automotive and medical industries is expected to drive the 3D printer industry growth in Europe. Given that the pandemic's impact diminished and economic activity in various industries has been gaining traction, approaching or even exceeding pre-pandemic levels, the market under consideration is likely to grow gradually over the next few years.

Europe 3D Printing Market Trends

High Adoption of 3D Prototype Parts in Automotive Industry

- The European automotive sector has been thriving and has emerged as a pioneer and driving force behind the country's development and wealth. In past years, the European automotive sector has risen to the forefront of the global industry.
- With the presence of many global automotive OEMs, Europe enjoys the broad-scale implementation of 3D printing technology for design formulation and R&D applications in the automotive industry. Top automotive leaders such as BMW, Mercedes, Audi, Jaguar Land Rover, Volkswagen, and many others have created a potential space for 3D technology and printers in the European market.
- In April 2022, Blackstone Technology formulated a plan to market 3D-printed sodium-ion cells for electric cars. The business plans to launch its 3D-printed solid-state battery in the middle of the decade after investing EUR 32 million (USD 33,900,531.60 Million) in a prototype facility in Dobeln, Germany. The solid-state batteries would first be put in the electric buses in Berlin to be tested in a real-world scenario.
- Moreover, several 3D printing methods are employed to manufacture prototypes with rapid turnaround times at Ford's Rapid Technologies Center in Merkenich, Germany. Instead of sending a task out to a business with a several-week lead time, engineers and designers can have their designs in their hands within hours. Designers can create same-day prototypes in the Rapid Technology Center, iterating on numerous designs in a matter of hours. According to Bruno Alves, an additive manufacturing expert at Ford, physical prototypes can have advantages over digital models.

Germany is Expected to Hold the Major Share

- A wide range of established industry players, including EOS, Renishaw, SLM Solutions, Ultimaker, and Photocentric, are well-known throughout Europe for their technical expertise in the field of additive manufacturing. The majority of 3D printers are located in Western Europe, with countries such as Germany, the United Kingdom, Italy, and France driving AM development and applications.
- Moreover, increasing investments in the market studied by various countries in the region may further create significant demand. According to GTAI (Germany Trade & Investment), Germany is home to some of Europe's most advanced 3D printing and additive manufacturing businesses, including aerospace, automotive, equipment, and dentistry.
- One in every three big German industrial companies already uses 3D printing, and two out of every three have already used the technology. This, in turn, may create lucrative opportunities for the market players to expand their footprint in the country, thus boosting market growth.
- For instance, in December 2022, HeadmadeMaterials, a German 3D printing technology provider, intended to enter the ColdMetalFusionAlliance and other significant market players. ColdMetalFusion is a partnership of industry leaders with

generations of sintering, additive manufacturing, and traditional industrial production experience. Partners of the Alliance collaborate to provide services, materials, equipment, and technology to clients in the metal production business.

Europe 3D Printing Industry Overview

Though the presence of many regional as well as global players in the European region is influencing the 3D printing market, the major chunk of the European market is captured by prominent players. Hence, the market for 3D printing is expected to be consolidated in nature. 3D Systems Corporation, Materialise NV, Stratasys Ltd., ExOne Co., and SLM Solutions Group AG, among others, are some major players in the European market. All these players are involved in competitive strategic developments such as acquisition, partnership, new product development, and market expansion to augment their leadership position in the European 3D printing market.

In October 2022, Safran opened a new additive manufacturing campus in France. Safran's new 12,500 m2 facility houses all the procedures required to create parts utilizing additive manufacturing, from R&D through engineering and production. With cutting-edge equipment, including 3D printers that employ 3D digital images to transform metallic powders into airplane and engine parts, more than 100 top-tier engineers, scientists, and technicians are currently operating at the factory to make components for the whole team.

In July 2022, a European automobile company installed metal 3D printers from SLM Solutions. The customer has over ten machines in its 3D printing fleet, including many SLM 500 and SLM 250 systems. It is believed to be using metal AM to build car elements, emphasizing serial manufacturing.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

Europe 3D Printing - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 100 pages | Mordor Intelligence

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	$4750.00
	Team License (1-7 Users)	$5250.00
	Site License	$6500.00
	Corporate License	$8750.00
	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.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-03-03
		Signature