

3D Printing Materials Market, Opportunity, Growth Drivers, Industry Trend Analysis and Forecast, 2024-2032

Market Report | 2024-07-18 | 200 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$5350.00
- Enterprise User \$8350.00

Report description:

Global 3D Printing Materials Market will record a 10.3% CAGR from 2024 to 2032 due to increased investment in research and development and material innovations. Ongoing R and D efforts have led to the creation of advanced materials with enhanced properties, such as higher strength, flexibility, and functionality, broadening application possibilities.

Innovations in materials enable more diverse and complex prints, appealing to various industries, including aerospace, healthcare, and automotive. This continuous advancement improves performance, reduces costs, and fuels market expansion by meeting evolving industry demands and applications. In April 2023, Lithoz, in partnership with Glassomer, introduced 'LithaGlass,' a new 3D printing material for its Lithography-based Ceramic Manufacturing technology, enhancing the capabilities of ceramic 3D printing with advanced glass-based materials.

This development suggests increased opportunities for high-precision and high-performance 3D printing, potentially expanding market applications and driving demand for advanced materials. The enhancement in ceramic 3D printing capabilities could attract new sectors and applications.

The 3D printing materials industry is segregated on the basis of product, end-user, and region.

The ColorJet segment will experience a noteworthy surge by 2032, attributed to its advancements in color printing technology and demand for high-resolution, vibrant prints. ColorJet's ability to produce multi-color and full-color prototypes with intricate details makes it a preferred choice for industries requiring realistic and visually appealing models, such as consumer goods and design. Its technological edge in achieving detailed color accuracy and quality drives significant growth, positioning ColorJet as a leading segment in the 3D printing materials market.

The aerospace end-user segment will accumulate sizable gains by 2032, propelled by its increasing reliance on additive manufacturing for producing lightweight, high-performance components. The ability of 3D printing to create complex geometries and reduce material waste aligns well with the aerospace industry's demand for innovative, cost-effective solutions. Advances in high-strength, heat-resistant materials further bolster this segment's growth as aerospace companies seek to enhance fuel efficiency and performance. The continuous development of specialized 3D printing materials and technologies will solidify aerospace's modest market share.

Asia Pacific 3D printing materials industry will uphold a decent share through 2032, spurred by its rapidly growing manufacturing sector, technological advancements, and increasing adoption of 3D printing across various industries. A robust industrial base, coupled with substantial investments in research and development, fosters innovation in 3D printing materials. Additionally, the expanding aerospace, automotive, and healthcare sectors contribute considerably to market growth. The regionwide supportive policies and rising demand make it a crucial contributor to the global 3D printing materials market outlook.

Table of Contents:

Report Content

Chapter 1 Methodology and Scope

- 1.1 Market scope and definition
- 1.2 Base estimates and calculations
- 1.3 Forecast calculation
- 1.4 Data sources
- 1.4.1 Primary
- 1.4.2 Secondary
- 1.4.2.1 Paid sources
- 1.4.2.2 Public sources
- Chapter 2 Executive Summary
- 2.1 Industry 360 synopsis
- Chapter 3 Industry Insights
- 3.1 Industry ecosystem analysis
- 3.1.1 Key manufacturers
- 3.1.2 Distributors
- 3.1.3 Profit margins across the industry
- 3.2 Industry impact forces
- 3.2.1 Growth drivers
- 3.2.1.1 Technological advancement associated with 3D printing
- 3.2.1.2 Favorable trends associated with automotive and aerospace sector
- 3.2.1.3 Positive outlook to the auto motive industry
- 3.2.2 Market challenges
- 3.2.2.1 High coat associated with 3D printing equipment
- 3.2.3 Market opportunity
- 3.2.3.1 New opportunities
- 3.2.3.2 Growth potential analysis
- 3.3 Raw material landscape
- 3.3.1 Manufacturing trends
- 3.3.2 Technology evolution
- 3.3.2.1 Sustainable manufacturing
- 3.3.2.1.1 Green practices
- 3.3.2.1.2 Decarbonization
- 3.3.3 Sustainability in raw materials
- 3.3.4 Pricing trends (USD/Ton)
- 3.3.4.1 North America
- 3.3.4.2 Europe
- 3.3.4.3 Asia Pacific
- 3.3.4.4 Latin America
- 3.3.4.5 Middle East and Africa

- 3.4 Regulations and market impact
- 3.5 Porter's analysis
- 3.6 PESTEL analysis

Chapter 4 Competitive Landscape, 2023

- 4.1 Company market share analysis
- 4.2 Competitive positioning matrix
- 4.3 Strategic outlook matrix

Chapter 5 3D Printing Materials Market Size and Forecast, By Product, 2021-2032 (USD Million, Tons)

- 5.1 Key trends
- 5.2 Ceramics
- 5.3 Plastics
- 5.4 Metals
- 5.5 Others

Chapter 6 3D Printing Materials Market Size and Forecast, By End Use, 2021-2032 (USD Million, Tons)

- 6.1 Key trends
- 6.2 Electronics and consumer products
- 6.3 Automotive
- 6.4 Medical
- 6.5 Industrial
- 6.6 Education
- 6.7 Aerospace
- 6.8 Others
- Chapter 7 3D Printing Equipment Market Size and Forecast, By Product, 2021-2032 (USD Million, Tons)
- 7.1 Key trends
- 7.2 Polyjet
- 7.3 Fuse deposition modeling (FDM)
- 7.4 Selective laser sintering (SLS)
- 7.5 Stereolithography (SLA)
- 7.6 ColorJet
- 7.7 Others (MJM, DLP, etc.)

Chapter 8 3D Printing Materials and Equipment Market Size and Forecast, By Region, 2021-2032 (USD Million, Tons)

- 8.1 Key trends
- 8.2 North America
- 8.2.1 U.S.
- 8.2.2 Canada
- 8.3 Europe
- 8.3.1 Germany
- 8.3.2 UK
- 8.3.3 France
- 8.3.4 Italy
- 8.3.5 Spain
- 8.3.6 Rest of Europe
- 8.4 Asia Pacific
- 8.4.1 China
- 8.4.2 India
- 8.4.3 Japan
- 8.4.4 Australia

Scotts International. EU Vat number: PL 6772247784

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

8.4.5 Indonesia 8.4.6 Malaysia 8.4.7 Rest of Asia Pacific 8.5 Latin America 8.5.1 Brazil 8.5.2 Mexico 8.5.3 Rest of Latin America 8.6 MEA 8.6.1 Saudi Arabia 8.6.2 GCC 8.6.3 Rest of MEA **Chapter 9 Company Profiles** 9.1 Arkema S.A. 9.2 Hoganas 9.3 Concept Laser GmbH 9.4 3D Systems, Inc. 9.5 Arcam AB 9.6 Solidscape 9.7 EOS GmbH Electro Optical Systems 9.8 ExOne 9.9 Voxeljet AG 9.10 Royal DSM N.V 9.11 Envisiontec 9.12 LPW Technology Ltd. 9.13 SLM Solutions 9.14 Stratasys, Ltd.

- 9.15 Optomec



3D Printing Materials Market, Opportunity, Growth Drivers, Industry Trend Analysis and Forecast, 2024-2032

Market Report | 2024-07-18 | 200 pages | Global Market Insights

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	\$4850.00
	Multi User	\$5350.00
	Enterprise User	\$8350.00
	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	2025-05-07
	Signature	