

3D Printing Materials Market: Trends, Opportunities and Competitive Analysis [2024-2030]

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Abstracts

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3D Printing Materials Market Trends and Forecast

The future of the global 3D printing materials market looks promising with opportunities in the automotive, consumer, medical, and aerospace industries. The global 3D printing material market is expected to reach an estimated \$6.2 billion by 2030 with a CAGR of 11.6% from 2024 to 2030. The major drivers for this market are rapid acceptance of 3D printing technology from prototyping to final product manufacturing and reduction in manufacturing cost.

Lucintel forecasts that photopolymers will remain the largest material for 3D printing due to the increasing demand in medical, consumer electronic, and aerospace industries.

Medical industry is expected to witness the highest growth during the forecast period due to increasing adoption of 3D printing in medical devices and tissue engineering products.

Asia Pacific is expected to witness the highest growth over the forecast period due to the growing awareness of 3D printing technology and increasing adoption of 3D printing materials in medical and dental implants.

Asia Pacific is expected to witness the highest growth in the 3D printing market

1. **United States:** Companies like Stratasys and 3D Systems are focusing on developing high-performance materials for industrial 3D printing applications. Stratasys announced the launch of new photopolymer materials for its stereolithography (SLA) systems. The U.S. government is investing in R&D initiatives to accelerate the adoption of 3D printing in various sectors.
2. **China:** Chinese companies such as Shenzhen Esun Industrial Co. Ltd. are expanding their portfolio of 3D printing materials, including biodegradable options. China aims to strengthen its position in the global 3D printing market through initiatives like the Made in China 2025 plan.
3. **Germany:** Companies like BASF and Evonik are investing in advanced materials for industrial 3D printing, including metal powders and polymers. Germany's government has allocated funds for research projects aimed at advancing 3D printing materials and technologies.
4. **Japan:** Mitsubishi Chemical Corporation and Toray Industries are developing innovative materials for 3D printing, including carbon fiber-reinforced plastics. Japan aims to enhance its competitiveness in the global 3D printing materials market through industry collaborations and government support.

Emerging Trends in the 3D Printing Materials Market

Emerging trends, which have a direct impact on the dynamics of the industry, include use of bio-inks and gels in the medical industry and increasing use of composite materials.

A total of 91 figures / charts and 77 tables are provided in this 151-page report to help in your business decisions. A sample figure with insights is shown below.

3D Printing Materials Market by Segment

The study includes a forecast for the global 3D printing materials market by material, end use industry, technology, and region as follows:

3D Printing Materials Market by Material [Value (\$M) shipment analysis for 2018 – 2030]:

Photopolymers

Thermoplastics

Metals

Ceramics

Others

3D Printing Materials Market by End Use Industry [Value (\$M) shipment analysis for 2018 – 2030]:

Automotive

Aerospace

Consumer

Medical

Others

3D Printing Materials Market by Technology [Value (\$M) shipment analysis for 2018 – 2030]:

Fused Deposition Modeling

Selective Laser Sintering/Multi Jet Fusion

Stereolithography/Digital Light Processing

Material Jetting

Others

3D Printing Materials Market by Region [Value (\$M) shipment analysis for 2018 – 2030]:

North America

United States

Canada

Mexico

Europe

Germany

United Kingdom

Asia Pacific

China

Japan

The Rest of the World

List of 3D Printing Materials Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies 3D printing materials companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the 3D printing materials companies profiled in this report includes.

3D Systems Corporation

Stratasys

The ExOne Company

Arcam AB (GE)

EOS GmbH Electr%li%Optical Systems

Voxeljet AG

EnvisionTEC GmbH

Arkema SA

Hoganas AB

Materialise NV

Carpenter Technology

3T-AM

Recent Developments in the 3D Printing Materials Market

In 2023 , Stratasys completed the acquisition of the additive manufacturing materials business of Covestr%li%AG. The materials, IP portfolio, and talent Stratasys acquired from Covestr%li%will help Stratasys address new applications in key technology categories such as stereolithography, P3/DLP, and powder bed fusion, including SAF™ technology. They complement Stratasys' existing deep materials expertise for PolyJet and FDM® technologies.

In 2022, Stratasys completed the merger of subsidiary MakerBot with NPM Capital-backed Ultimaker t%li%form a new entity under the name Ultimaker. The new combined company offers a comprehensive solution set of hardware, software and materials, creating a leading force in desktop 3D printing. Following the merger, NPM Capital owns 53.5% of the combined company, while Stratasys owns the remaining 46.5%.

In April 2021, Stratasys Ltd. Announced they signed an agreement to acquire 3D printing start-up Origin Inc. in a transaction for total consideration of up to \$100 million, including cash and stock. The merger enables Stratasys to expand its leadership through innovation in the fast-growing mass production parts segment with a next-generation photopolymer platform

Features of 3D Printing Materials Market

Market Size Estimates: 3D Printing Materials market size estimation in terms of value (\$M)

Trend and Forecast Analysis: Market trends (2018-2023) and forecast (2024-2030) by various segments and regions.

Segmentation Analysis: Market size by material, end use industry, and technology

Regional Analysis: 3D Printing Materials market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different material, end use industry, technology, and regions for the 3D printing materials market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the 3D printing materials market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the 3D printing materials market size?

Answer: The global 3D printing materials market is expected to reach an estimated \$6.2 billion by 2030.

Q2. What is the growth forecast for 3D printing materials market?

Answer: The 3D printing materials market is expected to grow at a CAGR of 11.6% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the 3D printing materials market?

Answer: The major drivers for this market are rapid acceptance of 3D printing technology from prototyping to final product manufacturing and reduction in manufacturing cost.

Q4. What are the major applications or end use industries for 3D printing materials?

Answer: Medical is the major end use industries for 3D printing materials.

Q5. What are the emerging trends in 3D printing materials market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include use of bio-inks and gels in the medical industry and increasing use of composite materials.

Q6. What are the key 3D printing materials companies?

Answer: Some of the key 3D printing materials companies are as follows:

3D Systems Corporation

Stratasys

The ExOne Company

Arcam AB (GE)

EOS GmbH Electro Optical Systems

Voxeljet AG

EnvisionTEC GmbH

Arkema SA

Hoganas AB

Materialise NV

Carpenter Technology

3T-AM

Q7. Which 3D printing materials deposit segment will be the largest in future?

Answer: Lucintel forecasts that photopolymers will remain the largest material for 3D printing due to the increasing demand in medical, consumer electronic, and aerospace industries.

Q8: In 3D printing materials market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to remain the largest region and witness the good growth over next 5 years.

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising potential, high growth opportunities for the global 3D printing materials market by end use industry (automotive, aerospace, consumer, medical, and others), material (photopolymers, thermoplastics, metals, ceramics, and others), technology (fused deposition modeling, selective laser sintering/multi jet fusion, stereolithography/digital light processing, material jetting, others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q. 2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are the changing demands of customers in the market?

Q.8 What are the new developments in the market? Which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this area and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to 3D printing materials market or related to 3D printing materials market share, 3D printing materials market analysis, 3D printing materials market size, 3D printing materials cost, and 3D printing technology, write to Lucintel analysts at helpdesk@lucintel.com. We will be glad to get back to you soon.

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7.10: Materialise NV

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7.12: 3T-AM

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