

3D Printing Materials in Medical Market: Trends, Opportunities and Competitive Analysis [2023-2028]

<https://marketpublishers.com/r/3059B2850929EN.html>

Date: May 2023

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: 3059B2850929EN

Abstracts

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3D Printing Materials in Medical Market Trends and Forecast

The future of the global 3D printing materials in the global medical market looks promising with opportunities in medical & surgical centers, pharmaceutical & biotechnology companies, and academic institutions. The use of 3D printing materials in the global medical market is expected to reach an estimated \$0.63 billion by 2028 with a CAGR of 16.1% from 2023 to 2028. The major drivers for this market are increasing use of 3D printing materials to enable exploration of complicated body structure as an actual three-dimensional object, growing demand for human organ transplants, and availability of advanced and safe printing materials.

3D Printing Materials in Medical Market

A more than 150-page report is developed to help in your business decisions. A sample figure with some insights is shown below.

3D Printing Materials in Medical Market by Segments

3D Printing Materials in Medical Market by Segment

The study includes trends and forecast for 3D printing materials in the global medical market by component, technology, application, end use industry, and region, as follows:

3D Printing Materials in Medical Market by Component [Value (\$B) Shipment Analysis

from 2017 to 2028]:

System

Material

Polymer

Photopolymer

Thermoplastic

Metal & Alloy

Ceramic

Others

Service

3D Printing Materials in Medical Market by Technology [Value (\$B) Shipment Analysis from 2017 to 2028]:

Droplet Deposition

Fused Filament Fabrication (FFF) Technology

Low-temperature Deposition Manufacturing (LDM)

Multiphase Jet Solidification (MJS)

Photopolymerization

Stereolithography (SLA)

Continuous Liquid Interface Production (CLIP)

Two-Photon Polymerization (2PP)

Laser Beam Melting

Selective Laser Sintering (SLS)

Selective Laser Melting (SLM)

Direct Metal Laser Sintering (DMLS)

Electronic Beam Melting (EBM)

Laminated Object Manufacturing

Others

Color Jet Printing

Multi Jet Printing

3D Printing Materials in Medical Market by Application [Value (\$B) Shipment Analysis from 2017 to 2028]:

External Wearable Devices

Hearing Aids

Prosthesis & Orthotic

Dental Products

Clinical Study Devices

Drug Testing

Anatomical Models

Implants

Surgical Guide

Cranio-maxillofacial Implants

Orthopedic Implants

Tissue Engineering

3D Printing Materials in Medical Market by End Use Industry [Value (\$B) Shipment Analysis from 2017 to 2028]:

Medical & Surgical Centers

Pharmaceutical & Biotechnology Companies

Academic Institutions

3D Printing Materials in Medical Market by Region [Value (\$B) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

List of 3D Printing Materials in Medical 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 material companies in the medical market cater to increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the 3D printing material companies in the medical market profiled in this report includes-

Formlabs

General Electric

3D Systems Corporation

Exone Company

Materialise NV

3D Printing Materials in Medical Market Insights

Lucintel forecasts that system will remain the largest component segment over the forecast period due to the increasing demand from the healthcare industry for innovative full-color and multi-material 3D printing systems.

Medical & surgical centers are expected to remain the largest segment due to the increasing use of advanced 3D printing technology to enhance surgery outcomes and reduce complications.

North America will remain the largest region due to the increasing operation activity and supportive funding from government and private organizations for the adoption of modern technology in healthcare sector of the region.

Features of the 3D Printing Materials in Medical Market

Market Size Estimates: 3D printing materials in medical market size estimation in terms of value (\$B)

Trend And Forecast Analysis: Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

Segmentation Analysis: 3D printing materials in medical market size by various segments, such as by component, technology, application, end use industry, and region

Regional Analysis: 3D printing materials in medical market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different components, technology, applications, end use industries, and regions for the 3D printing materials in medical market.

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

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

FAQ

Q1. What is the global medical market size in terms of 3D printing material usage?

Answer: The use of 3D printing materials in the global medical market is expected to reach an estimated \$0.63 billion by 2028.

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

Answer: The use of 3D printing materials in the global medical market is expected to grow with a CAGR of 16.1% from 2023 to 2028.

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

Answer: The major drivers for this market are increasing use of 3D printing materials to enable exploration of complicated body structure as an actual three-dimensional object, growing demand for human organ transplants, and availability of advanced and safe printing materials.

Q4. What are the major segments for 3D printing materials in the global medical market?

Answer: The future of 3D printing materials in the global medical market looks promising with opportunities in medical & surgical centers, pharmaceutical & biotechnology companies, and academic institutions.

Q5. Who are the key 3D printing material companies in the global medical market?

Answer: Some of the key 3D printing material companies in the medical market are as follows:

Formlabs

General Electric

3D Systems Corporation

Exone Company

Materialise NV

Q6. Which materials in medical segment in terms of 3D printing material usage will be the largest in the future?

Answer: Lucintel forecasts that system will remain the largest component segment over the forecast period due to the increasing demand from the healthcare industry for innovative full-color and multi-material 3D printing systems.

Q7. In terms of 3D printing material consumption in the medical market, which region is expected to be the largest in next five years?

Answer: North America will remain the largest region due to the increasing operation activity and supportive funding from government and private organizations for the adoption of modern technology in the healthcare sector of the region.

Q8. 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, high-growth opportunities for 3D printing materials in the global medical market by component (system, material, and service), technology (droplet deposition, photopolymerization, laser beam melting, electronic beam melting, laminated object manufacturing, and others), application (external wearable devices, clinical study devices, implant, and tissue engineering), end use industry (medical & surgical centers, pharmaceutical & biotechnology companies, and academic institutions), 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 region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

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

Q.7. What are some of 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 key players pursuing for business growth?

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

Q.11. What M&A activity has occurred in the last five years and what has its impact been on the industry?

For any questions related to 3D printing materials in medical market or related to 3D printing materials in medical companies, 3D printing materials in medical market size, 3D printing materials in medical market share, 3D printing materials in medical analysis, 3D printing materials in medical market growth, 3D printing materials in medical market research, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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