

Advanced Materials for 3D Printing: Technologies and Global Markets

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Abstracts

Report Scope:

This report addresses trends in 3D-printing materials technology and the global market for the most promising new 3D-printing materials applications during the period from 2021-2027, including -

Materials -

Photopolymers.

Thermoplastic and polymers.

Metals.

Ceramics.

Others (e.g., wax, graphene, bio-ink).

Applications -

Industrial: construction, electronics, architecture.

Medical and dental: implants, surgical models, prosthetics, robotics.

Automotive: parts, components, prototypes.

Aerospace: parts, components for aircrafts and space vehicles.

Consumer products: toys, shoes, jewelry, art, hobby, personal use items.

Others: research laboratories, universities, others.

The report does not cover 3D printing equipment or services in any detail.

The market scope only considers demand via B2B.

The major sections of this study -

Executive summary.

Overview (definitions, brief history, technology characteristics, applications and market summary).

Market dynamics.

Developments in 3D printing technology that are expected to influence the market through 2027.

Detailed market estimates and projections for each material type and application type during the period from 2021-2027.

Description of key players in the 3D printing industry.

Revenue of the global market is provided in terms of USD million. The determination of market volume has not been included within the scope of this report. Prices for 3D-printing materials vary widely, on the basis of volume, size and composition, based on various application needs.

Report Includes:

19 data tables and 41 additional tables

An updated assessment of the global market for advanced materials for 3D printing

Analyses of the global market trends, with market revenue for 2021, estimates for 2022, and projections of compound annual growth rates (CAGRs) through 2027

Identification of key drivers and constraints that will shape the market for these materials as the basis for projecting demand over the next five years (2022-2027)

Estimation of the actual market size for 3D printing materials in USD million values, forecasted growth trends, and corresponding market share analysis by materials, application, and region

Assessment of the underlying technological, environmental, legal/regulatory, and political trends that may influence the size and nature of the market

Discussion of the industry value chain analysis providing a systematic study of key intermediaries involved, with emphasis on materials, providers, fabrication technologies, and end-use applications

Review of patents issued for materials used in 3D printing by each major category, and emerging developments in the global market

Market share analysis of the key market participants in the global 3D printing materials industry, their research priorities, product offerings, and company competitive landscape

Company profiles of major players within the industry 3D Systems Corp., Arkema SA, BASF SE, Evonik Industries, Royal DSM

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ARCAM AB
AREVO INC.
ARKEMA SA
ASIGA
B9 CREATIONS LLC
BASF SE
BOLSON MATERIALS
BUCKTOWN POLYMERS
CELLINK AB
CARPENTER TECHNOLOGY CORP.
CMET CO. LTD.
COLORFABB B.V.
DELTAMED GMBH
D-MEC LTD.
DESKTOP METAL INC.
DWS SYSTEMS
EMERGING OBJECTS
EOS ELECTRO OPTICAL SYSTEMS

ERASTEEL
ESSTECH INC.
EVONIK INDUSTRIES AG
FORMLABS INC.
GRAFOID INC.
GRAPHMATECH AB
HOGANAS AB
ISQUARED AG
KEENE VILLAGE PLASTICS
LITHOZ GMBH
MAKERGEAR LLC
ROYAL DSM (KONINKLIJKE DSM N.V.)
METALYSIS LTD.
NEW IMAGE PLASTICS
NOVA POLYMERS INC.
OPTOMECH INC.
ORBI-TECH
ORGANOVO HOLDINGS INC.
OXFORD PERFORMANCE MATERIALS
PRAXAIR S.T. TECHNOLOGY INC.
RECREUS INDUSTRIES S.L.
REGENHU LTD.
S3D INNOVATIONS
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