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# 3D Printing Materials Market by Type (Polymers, Metals, Ceramic, and Others), by Form (Powder, Filament, and Liquid), and by End user (Consumer products, Industrial, Aerospace & Defense, Automotive, Healthcare, Education & Research, Personal/prosumer, and Others) - Global Opportunity Analysis and Industry Forecast, 2014 - 2022

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## Abstracts

3D printing is a machine-based process in which three-dimensional solid objects are made via a computer containing blueprints or digital files of the object. This is a revolutionary method that utilizes inkjet technology to save time and money by eliminating the need to design, print, and assemble different parts. 3D printing materials are used to manufacture solid objects. These materials are of different types such as plastics, metal, ceramics, and other materials. They are used by designers, engineers, architects, surgeons, and other professionals to make representative models for clients and students. As per Allied Market Research, the global demand for 3D printing materials was valued at $578 million in 2015 and is expected to grow with a CAGR of 18.3% during the forecast period to reach $1,871 million in 2022.
Currently, North America is the largest market for 3D printing materials in terms of demand, followed by Asia-Pacific and Europe. In Asia-Pacific, Japan is the largest market whereas in Europe, Germany holds the largest share. In the coming years Asia-Pacific is expected to grow rapidly due to developments in emerging countries such as China, India, Korea, and others. The 3D printing materials market is expected to register substantial growth in the near future due to rapidly growing industries such as aerospace and defense, healthcare, and automotive. Metal materials are expected to dominate the market in terms of growth rate during the forecast period. However, high cost associated with the techniques and materials is expected to restrict the market

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growth.

The report segments the 3D printing materials by type, form, end-user industry, and geography. On the basis of type, it is divided into polymers, metals, ceramics, and others. According to form, it is diversified into powder, filament, and liquid. On account of end-user industry, the 3D printing material market is distributed into automotive, consumer products, healthcare, aerospace and defense, industrial, personal/prosumer, education and research, and others. Geographically, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA (Latin America, Middle East & Africa). Recent development in the 3D printing material market include release of Ultimaker CPE, Ultimaker PC, Ultimaker Nylon, and Ultimaker TPU 95A (3D printing materials) by Ultimaker, a Netherlands-headquartered company in September, 2016. Similarly, at the same time, Nexeo Solutions, a U.S. based company, launched Nexeo3D, a german language based ecommerce website to mark its entry into 3D printing material market.

KEY MARKET BENEFITS:

This report provides an extensive analysis of the current and emerging market trends and dynamics in the global 3D printing material market.

In-depth analysis is conducted by constructing market estimations for key market segments between 2014 and 2022.

Geographically, the 3D printing material market is analyzed based on various regions such as North America, Europe, Asia-Pacific, and LAMEA. It also includes country analysis of major countries in each geographic region.

This study evaluates competitive landscape and value chain to interpret the competitive environment across various geographies.

Comprehensive analysis of factors that drive and restrict the growth of the global 3D printing material market is provided.

Exhaustive analysis of the global 3D printing material market by type predicts the major material used currently along with the ones that would gain prominence in the future.

Extensive analysis of the market is conducted by following key product positioning and monitoring the top competitors within the framework.

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KEY MARKET SEGMENT:
The 3D Printing Materials Market is segmented as below:
By Material

- Polymers
  - ABS (Acrylonitrile Butadiene Styrene)
  - PLA (Polylactic Acid)
  - Photopolymers
  - Nylon
  - Others
- Metal
  - Steel
  - Titanium
  - Aluminium
  - Others
- Ceramics
  - Silica Sand
  - Glass
  - Gypsum
  - Others
- Dendrimers

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- Laywood
- Paper
- Others

By Form

- Powder
- Filament
- Liquid

By End-User Industries

- Consumer Products
- Industrial
- Aerospace & Defense
- Automotive
- Healthcare
- Education & Research
- Personal/prosumer
- Others

By Geography

- North America

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- U.S.
- Canada
- Mexico

Europe

- UK
- Germany
- France
- Italy
- Rest of Europe

Asia-Pacific

- China
- Japan
- Korea
- Rest of Asia-Pacific

LAMEA

- Brazil
- South Africa
- Rest of LAMEA

Key Players profiled

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3D Systems Corp.

Arcam AB

The Arkema Group

Royal DSM N.V.

Exone GmbH

Stratasys Ltd.

CRP Group

Envisiontec GmbH

EOS GmbH

LPW Technology Ltd.

Other major players in the industry includes

Advanc3d Materials

Advanced Powders and Coatings

Cookson Precious Metals

Exceltec

Formlabs

Toner Plastic

TLC Korea

Taulman 3D

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Maker Juice

Legor Group

Profiles of these players are not included. The same will be included on request

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