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Global 3D Printing Market: Size, Trend, Share, Opportunity Analysis & Forecast, 2014-2025

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Abstracts

3D printing, also known as additive printing technology, allows manufacturers to develop 3D object using digital file. The materials used in 3D printing include various types of polymers, metals, and ceramics. This type of printing offers methodologies that makes manufacturing of complex designs an apparent reality. The 3D printed object is achieved by using additive process, in which the object is produced by placing down consecutive layer of material until the object is created. The global 3D printing market is expected to grow at a CAGR of 21% from 2017 to 2025.

The global 3D printing market is segmented based on component, application, and geography. Based on component the market is segmented into technology (stereolithography, selective laser sintering, electron beam melting, fused deposition modelling, laminated object manufacturing, and others), material (polymers, metals, and ceramics), and service. In terms of application, the market is classified into Electrical power, Oil & Gas, Water & waste-water, Automotive, Pharmaceuticals, Mining, Chemicals, Food & beverages, and Others. Based on geography, the global 3D printing market is segmented into North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Efficient use of material

Use of multiple materials for printing

Reduction in human error

Customization of products

Reduces development cost and time

Restraints:

Higher cost for individual user

Software required for 3D printing are costly

Lack of channel partner assistance

Manufacturing Complexities

Limited Design Tools

MARKET PLAYERS:

The top players in the global 3D printing market include 3D Systems, Arcam AB, Autodesk, Inc., Stratasys Ltd, The ExOne Company, Hoganas AB, Optomec, Inc., Organovo Holdings, Inc., Ponoko Limited, and Voxeljet AG

KEY TAKEAWAYS

MARKET LANDSCAPE

By Component

Technology

Stereolithography

Selective Laser Sintering

Electron Beam Melting

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Fused Deposition Modeling

Laminated Object Manufacturing

Others

Materials

Polymers

Metals & Alloys

Ceramics

Others

Services

By Application

Electrical power

Oil & Gas

Water & waste-water

Automotive

Pharmaceuticals

Mining

Chemicals

Food & beverages

Others

By Geography

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North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

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Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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COMPANIES MENTIONED

3D Systems, Arcam AB, Autodesk, Inc., Stratasys Ltd, The ExOne Company, Hoganas AB, Optomec, Inc., Organovo Holdings, Inc., Ponoko Limited, and Voxeljet AG

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