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Global 3D Printing Materials Market 2023

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Abstracts

3D printing materials encompass a wide range of properties, including strength, flexibility, durability, thermal resistance, and electrical conductivity. This diversity allows for the production of objects with tailored characteristics, making it possible to create prototypes, end-use parts, and specialized components for various industries.

Different 3D printing materials are suited to specific applications, such as aerospace, automotive, healthcare, consumer goods, and industrial manufacturing. The availability of materials with specific properties, such as high-temperature resistance for aerospace components or biocompatibility for medical implants, enables the customization of printed objects to meet industry-specific requirements.

According to the latest estimates, the global 3D printing materials market is set to achieve an incremental growth of USD 6.5 billion, accelerating at a CAGR of almost 17.3% during the forecast period 2023-2029.

This comprehensive industry report provides market estimates and forecasts, accompanied by a detailed examination of the material, printer type, end user, and region aspects. It delivers a quantitative analysis of the market, empowering stakeholders to leverage existing market opportunities. Furthermore, the report identifies key segments for potential opportunities and strategies, drawing insights from market trends and the approaches of leading competitors.

The global baby bottle market has been extensively analyzed by categorizing it according to various sub-segments in order to provide accurate forecasts of industry size and assess trends within specific areas.

The global market for 3D printing materials can be segmented by material: polymers, metals, ceramics, others. The polymers segment was the largest contributor to the

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global 3D printing materials market in 2022.

3D printing materials market is further segmented by printer type: commercial/industrial 3D printer, desktop/consumer 3D printer. According to the research, the commercial/industrial 3D printer segment had the largest share in the global 3D printing materials market.

Based on end user, the 3D printing materials market is segmented into: aerospace and defense, automotive, construction and architecture, consumer goods, industrial manufacturing, medical and dental, personal use/hobbies, others.

On the basis of region, the 3D printing materials market also can be divided into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. North America held the highest share in the global 3d printing materials market. However, Asia-Pacific is forecast to register the highest CAGR during the forecast period 2023 %li%2029.

The report also provides analysis of the key companies of the industry and their detailed company profiles including 3D Systems Corporation, Arkema S.A., BASF SE, Carbon, Inc., CeramTec GmbH, DuPont de Nemours, Inc., EOS GmbH, Evonik Industries AG, Formlabs Inc., Hoganas AB, Koninklijke DSM N.V., Materialise NV, Sandvik AB, Saudi Basic Industries Corporation (SABIC), Shanghai Union Technology Corporation (UnionTech), Stratasys, Ltd., The ExOne Company (Desktop Metal, Inc.), Wanhua Chemical Group Co., Ltd., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

Why Choose This Report

Gain a reliable outlook of the global 3D printing materials market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

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Market Segments Covered in Global 3D Printing Materials Industry Analysis:

i.) Component

- Systems
- Materials
    - polymers
    - metals
    - ceramics
    - others
- Services
    - printing
    - maintenance
    - training
    - consulting
- Software
    - design software
    - inspection software
    - printer software
    - scanning software

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ii.) Printer type

Commercial/industrial 3D printer

Desktop/consumer 3D printer

iii.) Technology

Direct energy deposition

Jetting

Material extrusion

Powder bed fusion

VAT photopolymerization

Others

iv.) End user

Aerospace and defense

Automotive

Construction and architecture

Consumer goods

Industrial manufacturing

Medical and dental

Personal use/hobbies

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Others

v.) Region

North America

Europe

Asia-Pacific

MEA (Middle East and Africa)

Latin America

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9.10 Hoganas AB
9.11 Koninklijke DSM N.V.
9.12 Materialise NV
9.13 Sandvik AB
9.14 Saudi Basic Industries Corporation (SABIC)
9.15 Shanghai Union Technology Corporation (UnionTech)
9.16 Stratasys, Ltd.
9.17 The ExOne Company (Desktop Metal, Inc.)
9.18 Wanhua Chemical Group Co., Ltd.
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