

Global 3D Printed Drugs Market Size study, by Technology (Inkjet Printing, Zipdose Technology, Stereolithography, Fused Deposition Modeling), By Application (Orthopedic, Neurology, Dental, Others), By End-use (Hospitals & clinics, Research Laboratories, Others) and Regional Forecasts 2022-2028

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Abstracts

Global 3D Printed Drugs Market is valued at approximately USD 72.02 million in 2021 and is anticipated to grow with a healthy growth rate of more than 15.30% over the forecast period 2022-2028. 3D printed drugs are prescriptions created with the 3D printing process to provide individuals with safe and effective tailored medications. These drugs don't need to be swallowed whole because of the unitary porous architecture that makes it simple for them to scatter in the mouth. It makes it simple for producers to alter the size, shape, appearance, and rate of distribution of a variety of medications. The market is booming as a result of rising demand for personalized drugs and rapidly expanding R&D activities supporting 3D printing. By producing personalized medical therapies, this technology creates promising opportunities for improving patient care. To make pharmaceuticals safer and more effective, pharmaceutical research companies have also been looking into the development of more specialised remedies since the establishment of the United States Personalized Medicine Initiative in 2015. As a result, demand for 3D-printed drugs is expected to increase in the coming years. Increased investments by operating players in the production of advanced and effective 3D printed pharmaceuticals, as well as breakthroughs in 3D printing technology, are expected to drive market growth over the forecast period. CurfiyLabs and Natural Machines, for example, collaborated in March 2022 on the production of these medicines based on the needs of individual patients. This is expected to allow

pharmacies and hospitals to receive medications more quickly. However, the adverse effects of these drugs, the development of illicit drugs using 3D printing and the absence of government restrictions for 3D printed goods are two factors that are limiting market expansion. On the other hand, growing public knowledge of the advantages of these medications, such as their rapid solubility, along with breakthroughs in healthcare systems and technology in emerging nations, are anticipated to create a wide range of potential for market expansion.

The key regions considered for the global 3D Printed Drugs market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific has the largest market share in the 3D printed drugs market and is expected to grow at a healthy CAGR during the forecast period. Rapid development of healthcare infrastructure and increased investment in healthcare research and development are expected to drive the growth of the Asia Pacific 3D printed drugs market. The Europe region is also expected to grow satisfactorily during the forecast period, owing to rising health consciousness among Europeans.

Major market players included in this report are:

Extend Biosciences

BioDuro

Affinity Therapeutics

Osmotica Pharmaceuticals

Aprecia Pharmaceuticals LLC

GlaxoSmithKline Plc

FabRx Ltd

Hewlett Packard Caribe

Merck

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

ByTechnology:

Inkjet Printing

Fused Deposition Modeling

Stereolithography
ZipDose Technology

By Application:

Orthopedic

Neurology

Dental

Others

By End-use:

Hospitals & clinics

Research Laboratories

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global 3D Printed Drugs Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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