

# **Global 3D Concrete Printing Market Size study, By Offering (Printing services, Materials), By Technique (Extrusion-based, Powder-based), By End-use Sector (Building, Infrastructure), and Regional Forecasts 2022-2028**

<https://marketpublishers.com/r/G8E9A02953DEEN.html>

Date: April 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G8E9A02953DEEN

## **Abstracts**

Global 3D Concrete Printing Market is valued approximately USD 85 million in 2021 and is anticipated to grow with a healthy growth rate of more than 317.3% over the forecast period 2022-2028.

3D concrete printing is a special type of concrete printing that is placed with a 3D printer layer by layer without any formwork support and vibration process. It is a technologically advanced and innovative method used for constructing predesigned building components through 3D concrete printers. Various construction companies are rapidly penetrating this technique to formulate building elements such as roofs, walls, lintels, panels, floors, and pavement slabs. The 3D concrete printing is a potential for mass customization and improves architectural flexibility, increasing residential construction activities, the emergence of inherently green technology are the factors that are attributing towards the market growth across the globe. For instance, according to Statista, in 2018, the total number of housing units in the United States were accounted for approximately 138.45 million, a rise of 1.05% from 2016 that holds nearly 135.58 housing units. This figure grows to approximately 139.64 housing units in 2019 in the United States. Consequentially, rising construction activity especially in the residential housing segment is likely to surge the demand for 3D concrete printing, thus, in turn, augmenting the market growth. However, high capital investment and a lack of awareness about automation techniques in the construction industry impede the growth of the market over the forecast period of 2022-2028. Also, increasing demand for new construction projects across regions and rapid urbanization are anticipated to act as a

catalyzing factor for the market demand during the forecast period.

The key regions considered for the Global 3D Concrete Printing Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the growing demand for sophisticated building structures at affordable cost and the rise in new residential construction activities in the region. Whereas, Rest of the World is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the increasing number of supportive government initiatives, as well as surging demand for affordable homes from middle and low-income groups, would create lucrative growth prospects for the 3D Concrete Printing market across the Asia-Pacific region.

Major market players included in this report are:

Apis Cor  
Cobod International A/S  
CyBe Construction B.V.  
D-shape Enterprises LLC  
Heidelbergcement AG (Italcementi SpA)  
Lafarge Holcim Group  
Sika AG  
Skanska AB  
Yingchuang Building Technique (Shanghai) Co., Ltd. (Winsun)  
XtreeE

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:

By Offering

Printing services

Materials

By Technique

Extrusion-based

Powder-based  
By End-use Sector  
Building  
Infrastructure  
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 Concrete Printing 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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