

# 3D Concrete Printing Market Growth, Industry Outlook & Opportunities | DataM Intelligence

*The Global 3D Concrete Printing Market is expected to grow at a high CAGR of 17% during the forecasting period (2021-2028).*

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## Market Overview

The 3-D precise printing devices offer a brief and cost-effective approach for the development of buildings in an try to create three-dimensional shapes by a laptop-controlled positioning procedure. The generation is specifically useful for manufacturing geometrically complicated components.

The approach of 3-d printing promises to be a promising concept, with decreased construction times, reduced strength intake, and less construction waste produced.



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*DataM Intelligence*

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## Market Dynamics

The construction activities have grown at some stage in

current instances on a worldwide scale, with fast urbanization and industrialization efforts using the financial development of advanced and developing international locations alike.

As such, the issues faced with the disposal of waste and delays within the timely crowning glory of buildings have hampered the growth of the construction sector.

The adoption and integration of pc-aided specific 3-d printing technologies are aimed toward optimizing the construction charges, reducing production time, enhancing flexibility in building layout, and moving awareness towards the usage of green building techniques.



The growing call for complicated building structures and the elimination of chemical waste might additionally propel the market boom, coupled with a rise in investment and investments for revolutionary constructing techniques. For example, in April 2018, tech startup Icon introduced its miles elevating cash to 3-D-print durable and lower-priced unmarried-story concrete homes in El Salvador, which might price round four,000 USD each, to offset the global housing crisis.

The initial capital investment required to establish 3-D concrete printing equipment is pretty high, and as such the businesses face issues in building a hit mission.

The absence of skilled exertions and operator workforce may also act as market obstacles, due to the essential function that employees play in finalizing the layout prototype. The loss of standardized templates and limited possibilities for product variety might also impede marketplace growth, coupled with the lack of know-how about the optimized use of 3-D printers in the production sector.

The increasing call for fast-paced building construction and the fast boom of the development region in developing nations is anticipated to provide new opportunities for business growth to key market players.

#### Market Segmentation

##### By Concrete Type

- Precast
- Ready-Mix
- Others (Shotcrete, High-Density)

##### By End-User

- Architectural
- Commercial
- Infrastructural
- ResidentialChapter

##### By Region

- North America
- Europe
- Asia-Pacific
- Middle East & Africa
- South America

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#### Competitive Landscape

The 3D concrete printing market is at a relatively nascent stage, and as such contains huge growth potential during the forecast period. The key market players include LafargeHolcim Ltd, Sika AG, Heidelbergcement AG, CyBe Construction B.V., and XtreeE SAS France.

The companies are thus focused on innovative product launches and strategic partnerships to strengthen their market position. For instance, in February 2018, Apis Cor completed an on-site house using 3D printing technology in Moscow, Russia, in collaboration with PIK. In November 2017, LafargeHolcim Ltd announced that it would participate in the University of Nantes' 3D printed social housing project Yhnova, to build a 95m<sup>2</sup> house, in an attempt to digitally transform the affordable social housing sector.

#### Trending Topics

[3D Printing In Construction Market](#), [3D Printing Metal Market](#), [3D Printing Plastics Market](#)

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