

# Global 4D Printing Market 2021

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## Abstracts

4D printing uses the same techniques of 3D printing through computer-programmed deposition of material in successive layers to create a three-dimensional object. 4D printing technology can be extensively used in production industries associated with metals, medical treatments, aerospace industries and also some of the significant military applications. Due to the concise size of the material before transformation, this technology is set to offer a lot more advantages than those anticipated. According to StrategyHelix, the global 4D printing market is expected to increase by US\$ 583 million during 2021-2027, expanding at a CAGR of 33.4% during the forecast period. Growing demand for cost reduction, greater design flexibility, increasing in the demand for industry 4.0 and emergence of industry 5.0 are expected to boost the market growth in the coming years.

The report provides up-to-date market size data for period 2017-2020 and forecast to 2027 covering key market aspects like sales value for 4D printing. The global 4D printing market is segmented on the basis of material, end use, and region. Based on material, the global 4D printing market is categorized into programmable carbon fiber, programmable textile, programmable wood. Globally, the programmable carbon fiber segment made up the largest share of the 4D printing market. On the basis of end use, the global 4D printing market has been segmented into aerospace & defense, automotive, healthcare, others. The aerospace & defense segment captured the largest share of the market in 2020. Geographically, the global 4D printing market is segmented into North America, Asia Pacific, Europe, Rest of the World (ROW). According to the research, North America had the largest share in the global 4D printing market.

The leading players in the 4D printing market include Autodesk Inc., CT CoreTechnologie Group, EnvisionTEC Inc., HP Inc., Stratasys Ltd, The ExOne Company.

### Report Scope

Material: programmable carbon fiber, programmable textile, programmable wood

End use: aerospace & defense, automotive, healthcare, others

Region: North America, Asia Pacific, Europe, Rest of the World (ROW)

Years considered: this report covers the period 2017 to 2027

### Key Benefits for Stakeholders

Get a comprehensive picture of the global 4D printing market

Pinpoint growth sectors and trends for investment

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Programmable wood

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Aerospace & defense  
Automotive  
Healthcare  
Others

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Autodesk Inc.  
CT CoreTechnologie Group  
EnvisionTEC Inc.  
HP Inc.  
Stratasys Ltd  
The ExOne Company

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