

Global 3d Printing in Healthcare Market Research and Analysis, 2015-2021

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Abstracts

MARKET INSIGHTS

Global 3D printing in healthcare market is expected to grow at a CAGR of over 21% for the forecasted period of 2015-2021. The market is driven by growing popularity of 3D printing. 3D printing has been a rage around the world due to its property of producing exact functional prototype of an object. Also known as additive manufacturing 3D printing is mainly used for manufacturing implants. One of the main advantages it offers over the conventional implants is the level of customization offers. Conventional implants go by 'one size fits all' approach. It could lead to several complications for the patients. However, using the 3D printing technology a physician can produce exact prototype of the patient's bones. 3D printers are also being used to manufacture surgical equipment, surgical guides, hearing aids, tissue engineering and drug screening. The technologies used to produce 3D printed products includes laser beam melting, droplet deposition, electronic beam melting and others. There are various types of materials used in 3D printing which includes plastics, polymers, ceramics, metals, alloys and others.

Research and development is going on to develop artificial organs using 3D printing technology. However, government regulations are strict and it may take a long time before the commercialization of such technology.

3D printing in healthcare market has a strong presence in North America and Europe. High awareness and ease of availability are some of the driving factors for the 3D printing market. Asia Pacific market is expected to grow a significantly high growth rate. It is mainly driven by Chinese and Japanese markets.

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