

Europe 3D Printing in Healthcare Market (2018-2023)

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Abstracts

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Europe 3D printing in healthcare market

The 3D printing in healthcare market in Europe is expected to reach a value of USD 0.76 Bn by 2023, expanding at a compound annual growth rate (CAGR) of 21.8% during 2018-2023.

3D printing can be defined as the process of building three-dimensional solid objects from digital designs. The creation of 3D printed objects is done using various additive processes. The additive processes involves laying down successive layers of a material until the desired object is created. Each of these layers can be visualized as a thinly-sliced horizontal cross-section of the final object. 3D printing is the exact opposite of subtractive manufacturing, which involves hollowing out/carving out pieces of metal or plastic from a mass. This process opens up opportunities for the production of complex shapes using less material in comparison to traditional manufacturing methods. In the field of medicine, this procedure is used to make several objects like prosthetics and implants, using several materials like metal, plastic, etc.

Europe has the most significant share of the 3D printing in healthcare market.

The market can be classified into three primary segments, based on technology, material, and type.

Based on region, the market is segmented into the European Union five (EU5) and the rest of Europe

Based on technology, the market can be segmented into laser beam melting (LBM), electron beam melting (LBM), photopolymerization, droplet deposition, laminated object manufacturing, and others.

Based on material, the sub-segments are plastic, metal, ceramic and others.

Based on type, the sub-segments include prosthetics, implants, surgical guides, hearing

aid and others.

Key growth factors

Europe has strong and stable research and development infrastructure and with top-notch research in healthcare-related additive manufacturing along with a pool of educational institutions to provide relevant training for skill development.

In Europe, Germany has the highest incidences of self-reported hearing loss. The adoption rate of hearing aids by these people is 76%. Thus, there lies a huge unmet demand for hearing aids in the market. Since almost all hearing aids are 3D printed, the market in the European region is expected to grow positively. The situation is the same for dental implants. With an increasing number of procedures for dental implants, the need for customized procedures has risen.

Threats and key players

Most of the traditional manufacturing companies, which prefer doing things the old way, do not find it feasible to experiment with new technologies like 3D printing. Also, they do not research adequately in emerging use cases in the market, and this is inhibiting the faster penetration of the technology in the European region.

The key players are Stratasys Ltd., 3D Systems, Organovo, Renishaw and Formlabs.

What is covered in the report?

1. Overview of the 3D printing in healthcare in Europe.
2. Market drivers and challenges in the 3D printing in healthcare in Europe.
3. Market trends in the 3D printing in healthcare in Europe.
4. Historical, current and forecasted market size data for the 3D printing in healthcare market in Europe.
5. Historical, current and forecasted market size data for the technology segment (laser beam melting (LBM), electron beam melting (EBM), photopolymerization, droplet deposition, laminated object manufacturing and others).
6. Historical, current and forecasted market size data for the material segment (plastic, metal, ceramic and others).
7. Historical, current and forecasted market size data for the type segment (prosthetics, implants, surgical guides, hearing aid and others).
8. Historical, current and forecasted regional (the European Union five (EU5), rest of Europe) market size data for 3D printing in healthcare market.
9. Analysis of 3D printing in healthcare market in Europe by value chain.

10. Analysis of the competitive landscape and profiles of major competitors operating in the market.

Why buy?

1. Understand the demand for 3D printing in healthcare to determine the viability of the market.
2. Identify the developed and emerging markets for 3D printing in healthcare.
3. Identify the challenges and address them.
4. Develop strategies based on the drivers, trends and highlights for each of the segments.
5. Evaluate the value chain to determine the workflow.
6. Recognize the key competitors of this market and respond accordingly.
7. Knowledge of the initiatives and growth strategies taken by the major companies and decide on the direction of further growth.

Customizations available

With the given market data, Netscribes offers customizations according to specific needs.

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