

3D Printing Medical Devices Market to Witness Robust Expansion throughout the Forecast Period 2017 – 2025

3D Printing Medical Devices Market to Expand At 17.7% of CAGR Due To Ardent Of Advanced Technology through Research and Development

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/EINPresswire.com/ -- A stew of medium and small scale industries have barged into the global [3D printing medical devices market](#), making it a high competition amongst the players, notices Transparency Market Research in a newly published report. In order to fortify a strong foothold, organizations are trying to collaborate with local companies. Expansion of product portfolio, product differentiation, accompanied with deep research are the other things that the players are focusing on in order to build their brand name. Some of the key players in the global 3D printing medical device market are Materialise NC, SLM Solutions, Arcam Ab, FabRx Ltd., Cyfuse Biomedical K.K., Concept Laser, 3D Systems Inc., Envision Tec, and Organovo Holdings.



On the basis of component the market is classified into material, printer, software and services. Amongst these the software and services accounted for the highest share and is expected to continue so during the forecast period. This is because of the installed printers which requires maintenance and services overtime, is bolstering the market growth. Geographically, the North America holds the largest share in term of revenue and is expected to continue so in future.

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It is anticipated that the global 3D printing devices market to be worth around US\$3513.0 mn in terms of revenue by 2025 from revenue worth of US\$713.3 mn accounted in 2016. During the assessed period, the market is anticipated to expand at 17.7% of CAGR.

Technological Advancement in 3D Printing Medical Devices Is Expected To Drive the Global Market

Tremendous technological advancement happening in the 3D printing sector after the arrival of this concept is pushing the global 3D printing market to perform better. This is because the 3D printing sector finds its abundant usage in healthcare sector apart from construction, military and automobile sector. The 3D printing medical device has recently gained popularity among the patients. It has gained the trust of both doctors and patients, thus fueling the market growth. Rise in need 3D printing medical device for implants, surgical instruments, tissue fabrication, surgical instruments, and prosthetics has increased the demand for these device.

High Initial Cost To Deter the Market Growth

Though the 3D global medical device is expected to grow at a steep rate, but strict regulations in various countries regarding the sale of these devices imposed by both private and government agencies is expected to deter the market growth rate. The market is also challenged by the high initial cost of such devices. Other factors such as heavy funds required for a small organization to have a strong foothold in the market is curbing the growth rate. Another major factor which is expected to bring down the growth rate of the market is absence of skilled expertise and the lack of accessibility of such advanced device in the rural or underdeveloped region. Though the inflow funds by leading player for research and development is expected to attract the consumer at a faster rate.

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The study presented here is based on a report by Transparency Market Research (TMR), titled, "3D Printing Medical Device Market (Component - Printers, Materials, and Software and Services; Technology - Electron Beam Melting, Selective Laser Melting, Selective Laser Sintering, Photo polymerization, and Direct Metal Laser Sintering; Application - Orthopedic and Cranial Implant, Dental Restorations, Surgical Instruments, Tissue Fabrication, and External Prosthesis) - Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2017 - 2025".

Leading segments of the global 3D printing medical device market:

3D Printing Medical Device Market, by Component

- Printers
- Materials

- Software & Services

3D Printing Medical Device Market, by Technology

- Electron Beam Melting
- Selective Laser Melting
- Selective Laser Sintering
- Photo polymerization
- Direct Metal Laser Sintering
- Others

3D Printing Medical Device Market, by Application

- Orthopedics & Cranial Implants
- Dental Restorations
- Surgical Instruments
- Others (Tissue Fabrication, External Prosthesis)

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[Power Supply and Charger Market](#) - Smartphone producers today are increasing efforts to develop products with varied features, including improved camera efficiency, social networking, and Internet-based applications, which need consistent supply of Internet from LTE, Wi-Fi, or 4G technology. As these technologies utilize more battery, the demand for products from the power supply and charger market is anticipated to grow in the near future.

[SFG Measurement System Market](#) - Sum frequency generation (SFG) vibrational spectroscopy is continuously gathering traction, given its increasing preference over many other surface characterization techniques due to several distinct advantages. The need for advanced instrumentation for complex interface characterization in a wide spectrum of physical, chemical, and biochemical processes propels advancements in the SFG measurement system market. These applications are highly sought after for non-invasively and non-destructively probing solid, liquid, polymer, and biological membrane interfaces in automotive, medical, defense, and aerospace industries.

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