

# 3D Printing in Medical and Dental Markets: An Opportunity Analysis and Ten-Year Forecast

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## Abstracts

3D printing has already found substantial traction in the dental implant and hearing aid business and SmarTech believes that the prospects for many other uses of 3D printing in the medical/dental market are rosy. There are numerous applications in the healthcare field where highly customized products, such as implants, must be created quickly. 3D printing fits such needs extremely well and we believe that medical/dental will become a big money spinner for the 3D printing sector in the near future. In this report SmarTech identifies the main opportunities for 3D printing in the medical and dental environments. It surveys the current use of 3D printers in this area and shows where the business opportunities will be found in the future. It also identifies current weaknesses in 3D printing and where 3D printers, software and services must adapt to make money from these opportunities. In addition to the 3D printers themselves, the report covers and forecasts the demand for related 3D printing services, scanners, software and materials. The report also includes ten-year forecasts of all the important medical- and dental-related markets for 3D printing with breakouts by type of printers (professional and prosumer), 3D scanners used, as well as related software and services. While, 3D printing of medical and dental products may use conventional 3D printing materials for some applications, such as model building, specialized ceramic, metal and even biological materials will also be required. With this in mind, we have also included a forecast of materials used by medical/dental community for 3D printing applications. In addition, the report provides a discussion of how the 3D printed medical/dental markets break out by geography, reflecting the many differences in healthcare arrangements around the world. The report concludes with an assessment of the medical related strategies of 15 leading 3D printer firms that have made medical/dental markets a critical part of their product offerings and market direction. SmarTech believes that this report will provide invaluable guidance for 3D printing equipment and software companies, service providers, specialty chemical firms and

medical equipment firms. We also think that it will prove to be required reading for investors in the 3D printing business as a whole. -

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