Description: This report analyzes the market for medical ceramics, a business that n-tech believes will major opportunity for both materials firms and medical device manufacturers in the coming decade. It examines the latest products, with a special focus on product releases in the past year, as well as the recent technical developments in the medical ceramics space. It also discusses the hurdles that medical ceramic products must overcome to achieve market acceptance, including the demands made by regulatory regimes in leading national and regional markets.

Medical ceramics is already established for orthopedic and dental implants; areas in which they provide patients with metals-free solutions. This report shows how the revenue generation for medical ceramics can be extended to newer areas such as healing of long segmental bone defects and to scaffold-guided bone replacements.

This report also provides assessments of the strategies of leading firms active in medical and dental ceramics space. In addition, the report contains granular ten-year forecasts of medical/dental ceramic shipments in volume and value terms, with breakouts by application, type of material and geographical region.

Materials covered include alumina, zirconia, silicon ceramics, hydroxyapatite, bioglass, piezoceramics, nanoceramics, and other materials. Applications discussed in this report include, hip and knee implants; crowns, bridges and other dental implants; surgical and diagnostic tools, implantable electronic implants, and regenerative medicine. Ceramics are an ideal material in these applications because of their wear resistance, inherent stability and excellent electrical properties.


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Acronyms and Abbreviations Used In this Report

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