

MEDICAL CERAMICS – A GLOBAL MARKET OVERVIEW

Summary

Ceramic technology developments have contributed heavily to the development of implantable electronic devices. Biocompatibility and resistance to wear have made ceramic materials ideal for a range of medical implant applications, from artificial joints to implantable electronic sensors, stimulators and drug delivery devices. Alumina and zirconia, among other ceramics, have been successful in holding up to the harsh environment of the human body.

Market for Medical Ceramics material types analyzed in this study includes Aluminum Oxide, Zirconia, Zirconia Alumina and Others. The report also includes the market analysis for end-use application areas of medical ceramics – Dental, Orthopedic, Implantable Electronic Devices, Surgical & Diagnostic Instruments and Others. The report analyses the global market in terms of USD Million. The global Medical Ceramics market for 2011 is estimated at US\$10.4 billion and is projected to increase at a CAGR of 3.5% (2007-2017) to reach US\$13.1 billion by 2017.

The report reviews, analyses and projects the Medical Ceramics market for global and the regional markets including the United States, Japan, Europe, Asia-Pacific and Rest of World. The regional markets further analyzed for 3 more independent countries in Europe – France, Germany and the United Kingdom.

This 198 page global market report includes 82 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of the market. The statistical tables represent the data for the global market by geographic region, material type and end-use applications of Medical Ceramics. The brief business profiles of 42 key global players and 58 major players across the United States – 26; Japan – 4; Europe – 22; Asia-Pacific – 4; and Rest of World – 2 are included in the report.

The report also provides the listing of the companies engaged in research and development, raw material & equipment manufacturing, processing, supplies and distribution of Advanced Ceramics. The global list covers the addresses, contact numbers and the website addresses of 531 companies.

For More information <http://industry-experts.com/verticals/chemicalsandplastics/medical-ceramics-a-global-market-overview.html>

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- Advanced Ceramics Research, Inc
- Advanced Industrial Ceramics
- Advanced Monolithic Ceramics, Inc
- APC International Ltd

- AVX Corporation
- Barat Ceramics GmbH
- BCE Special Ceramics GmbH
- Berkeley Advanced Biomaterials Inc
- Ceradyne Inc
- Ceram Research Ltd
- Ceramtec GmbH
- Chuangxin Medical Treatment Apparatus Technology Co Ltd
- Coorstek, Inc
- Covalent Materials Corporation
- Denka Chemicals GmbH
- Doxa AB
- Ferro-Ceramic Grinding Inc
- Friatec AG
- International Ceramic Engineering
- Kemet Corporation
- Metoxit AG
- Micro Ceramics Limited
- Noritake Co Ltd
- Physik Instrumente (PI) GmbH & CO KG
- Piezo Kinetics, Inc
- Raymor Industries, Inc.
- Refractron Technologies Corp
- Rockwood Holdings, Inc
- Saint-Gobain Ceramics & Plastics Inc
- Shandong Dahan Energy Nano Ceramic Factory
- Smaht Ceramics, Inc
- Small Precision Tools Inc
- Societe Des Ceramiques Techniques
- Superior Technical Ceramics Corp
- Temex-Ceramics
- The Morgan Crucible Company Plc
- Tosoh Corporation
- TRS Technologies, Inc
- Vishay Intertechnology Inc
- Wright Medical Technology, Inc

1.5 KEY BUSINESS TRENDS

- Sunrock Ceramics to Increase Production Capacity Twofold
- First Silicon Nitride Total Hip Replacement for Reconstructive Surgery from Amedica/US Spine
- Innovation in Medical Ceramics from Morgan Technical Ceramics
- VIOX Corporation Acquired by Ceradyne, Inc
- cerasurf™ High Strength Ceramic Material for Orthopedic Applications Launched by C5 Medical Werks
- New Piezoceramic Materials from Morgan Technical

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Ceramics

Flex Mitigation Technology Showcased by KEMET at Electronica 2010

Co-Fired Piezo Bimorphs for Harsh Environments from Morgan Technical Ceramics

Morgan, ErySave in Collaboration

Morgan's Metal Injection Molding Acquired by Parmatech-Proform Corp

New Piezoelectric Materials from Morgan

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Advanced Ceramics Research, Inc

Advanced Industrial Ceramics

Advanced Monolithic Ceramics, Inc

APC International Ltd

AVX Corporation

Berkeley Advanced Biomaterials Inc

C5 Medical Werks

Ceradyne Inc

Coorstek, Inc

Ferro-Ceramic Grinding Inc

International Ceramic Engineering

Kemet Corporation

Piezo Kinetics, Inc

Refractron Technologies Corp

Richardson – American Technical Ceramics Corp

Rockwood Holdings, Inc

Saint-Gobain Ceramics & Plastics Inc

SMAHT Ceramics, Inc

Small Precision Tools Inc

Superior Technical Ceramics Corp

TRS Technologies, Inc

T. Q. Abrasive Machining Co

Vishay Intertechnology Inc

Wright Medical Technology, Inc

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Noritake Co Ltd

Tosoh Corporation

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BCE Special Ceramics GmbH (Germany)

Ceram Research Ltd (United Kingdom)

Ceramtec GmbH (Germany)

Denka Chemicals GmbH (Germany)

DOXA AB (Sweden)

Dynamic-Ceramic Ltd. (United Kingdom)

Friatec AG (Germany)

H.C. Starck Ceramics (Germany)

Hybrid Laser Tech Ltd (United Kingdom)

Kennametal Sintec Keramik GmbH (Germany)

Metoxit AG (Switzerland)

Morgan Advanced Ceramics Wesgo Ceramics GmbH (Germany)

Morgan Electro Ceramics (United Kingdom)

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Morgan Technical Ceramics (United Kingdom)
Nobel Biocare Management AG (Switzerland)
Physik Instrumente (PI) GmbH & Co Kg (Germany)
Sembach GmbH & Co., Kg. (Germany)
Societe Des Ceramiques Techniques (France)
Sulzer Metco Ltd (Switzerland)
Temex-Ceramics (France)
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Hangzhou Nanxi Dental Medical Equipment Co Ltd (China)
Hangzhou Yapeng Medical Devices Co Ltd (China)
Shandong Dahan Energy Nano Ceramic Factory (China)

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