

Medical Ceramics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

<https://marketpublishers.com/r/M80F2B2E3373EN.html>

Date: June 2022

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: M80F2B2E3373EN

Abstracts

The global medical ceramics market reached a value of US\$ 10.1 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 14.0 Billion by 2027, exhibiting a CAGR of 5.74% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

Medical ceramics, or bio-ceramics, refer to biocompatible materials used for various contact and non-contact medical applications. Some of the commonly used medical ceramics include bio-inert ceramics, which are manufactured using alumina and zirconia, bioactive ceramics manufactured using Hydroxyapatite and glass, and bioresorbable and piezoelectric ceramics. They are processed through hot isostatic pressure (HIP) and injection molding techniques and exhibit high mechanical strength, inherent stability and advantageous electrical properties. They are commonly used for dental and bone implants, prosthetic dentures, diagnostic and therapeutic medical devices, such as heart valves and pacemaker electrodes and consumables.

The increasing prevalence of dental and medical ailments across the globe represents one of the key factors driving the growth of the market. Furthermore, the rising geriatric population, which is more susceptible to such medical concerns and require a greater number of surgical procedures, are providing a thrust to the market growth. This has also resulted in the increasing preference for alumina-based medical ceramics, which are extensively used to manufacture shoulder, knee and hip implants for orthopedic procedures. In line with this, the widespread adoption of plastic surgeries and advanced wound healing technologies are favoring the market growth. Additionally, various

technological advancements, such as the development of innovative and novel medical ceramics, are acting as other growth-inducing factors. Product manufacturers are developing minimally invasive (MI) implants for dental, orthopedic and cardiovascular applications that cause negligible discomfort and increase the efficacy of the medical procedures. Other factors, including rising expenditure capacities of the individuals, along with significant improvements in the healthcare infrastructure, are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global medical ceramics market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on type, application and end user.

Breakup by Type:

- Bioinert
- Bioactive
- Bioresorbable
- Others

Breakup by Application:

- Orthopedic
- Implantable Devices
- Dental
- Surgical and Diagnostic Instruments
- Others

Breakup by End User:

- Hospitals and Clinics
- Pharmaceutical and Biotechnology Companies
- Others

Breakup by Region:

- North America
- United States

Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being 3M Company, CeramTec GmbH, CoorsTek, Inc., DePuy Synthes, H.C. Starck GmbH, Kyocera Corporation, Morgan Advanced Materials Plc, NGK Spark Plug Co., Ltd., Institut Straumann AG, and Zimmer Biomet.

Key Questions Answered in This Report:

How has the global medical ceramics market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global medical ceramics market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global medical ceramics market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL MEDICAL CERAMICS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Bioinert
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Bioactive
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Bioresorbable

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Others
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Orthopedic
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Implantable devices
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Dental
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Surgical and Diagnostic Instruments
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY END USER

- 8.1 Hospitals and Clinics
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Pharmaceutical and Biotechnology Companies
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Others
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America

- 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
- 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy

- 9.3.4.1 Market Trends
- 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview

- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 3M Company
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 CeramTec GmbH
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.3 CoorsTek, Inc.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.4 DePuy Synthes
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 H.C. Starck GmbH
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.6 Kyocera Corporation
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.7 Morgan Advanced Materials Plc
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.8 NGK Spark Plug Co., Ltd.

- 14.3.8.1 Company Overview
- 14.3.8.2 Product Portfolio
- 14.3.8.3 Financials
- 14.3.8.4 SWOT Analysis
- 14.3.9 Institut Straumann AG
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Zimmer Biomet
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Medical Ceramics Market: Key Industry Highlights, 2021 and 2027

Table 2: Global: Medical Ceramics Market Forecast: Breakup by Type (in Million US\$), 2022-2027

Table 3: Global: Medical Ceramics Market Forecast: Breakup by Application (in Million US\$), 2022-2027

Table 4: Global: Medical Ceramics Market Forecast: Breakup by End User (in Million US\$), 2022-2027

Table 5: Global: Medical Ceramics Market Forecast: Breakup by Region (in Million US\$), 2022-2027

Table 6: Global: Medical Ceramics Market: Competitive Structure

Table 7: Global: Medical Ceramics Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Medical Ceramics Market: Major Drivers and Challenges

Figure 2: Global: Medical Ceramics Market: Sales Value (in Billion US\$), 2016-2021

Figure 3: Global: Medical Ceramics Market Forecast: Sales Value (in Billion US\$), 2022-2027

Figure 4: Global: Medical Ceramics Market: Breakup by Type (in %), 2021

Figure 5: Global: Medical Ceramics Market: Breakup by Application (in %), 2021

Figure 6: Global: Medical Ceramics Market: Breakup by End User (in %), 2021

Figure 7: Global: Medical Ceramics Market: Breakup by Region (in %), 2021

Figure 8: Global: Medical Ceramics (Bioinert) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 9: Global: Medical Ceramics (Bioinert) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 10: Global: Medical Ceramics (Bioactive) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 11: Global: Medical Ceramics (Bioactive) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 12: Global: Medical Ceramics (Bioresorbable) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 13: Global: Medical Ceramics (Bioresorbable) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 14: Global: Medical Ceramics (Others) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 15: Global: Medical Ceramics (Others) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 16: Global: Medical Ceramics (Orthopedic) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 17: Global: Medical Ceramics (Orthopedic) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 18: Global: Medical Ceramics (Implantable devices) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 19: Global: Medical Ceramics (Implantable devices) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 20: Global: Medical Ceramics (Dental) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 21: Global: Medical Ceramics (Dental) Market Forecast: Sales Value (in Million US\$), 2022-2027

US\$), 2022-2027

Figure 22: Global: Medical Ceramics (Surgical and Diagnostic Instruments) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 23: Global: Medical Ceramics (Surgical and Diagnostic Instruments) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 24: Global: Medical Ceramics (Other Applications) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 25: Global: Medical Ceramics (Other Applications) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 26: Global: Medical Ceramics (Hospitals and Clinics) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 27: Global: Medical Ceramics (Hospitals and Clinics) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 28: Global: Medical Ceramics (Pharmaceutical and Biotechnology Companies) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 29: Global: Medical Ceramics (Pharmaceutical and Biotechnology Companies) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 30: Global: Medical Ceramics (Other End Users) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 31: Global: Medical Ceramics (Other End Users) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 32: North America: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 33: North America: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 34: United States: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 35: United States: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 36: Canada: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 37: Canada: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 38: Asia Pacific: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 39: Asia Pacific: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 40: China: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 41: China: Medical Ceramics Market Forecast: Sales Value (in Million US\$),

2022-2027

Figure 42: Japan: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 43: Japan: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 44: India: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 45: India: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 46: South Korea: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 47: South Korea: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 48: Australia: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 49: Australia: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 50: Indonesia: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 51: Indonesia: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 52: Others: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 53: Others: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 54: Europe: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 55: Europe: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 56: Germany: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 57: Germany: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 58: France: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 59: France: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 60: United Kingdom: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 61: United Kingdom: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 62: Italy: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 63: Italy: Medical Ceramics Market Forecast: Sales Value (in Million US\$), 2022-2027

2022-2027

Figure 64: Spain: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 65: Spain: Medical Ceramics Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 66: Russia: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 67: Russia: Medical Ceramics Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 68: Others: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 69: Others: Medical Ceramics Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 70: Latin America: Medical Ceramics Market: Sales Value (in Million US\$), 2016
& 2021

Figure 71: Latin America: Medical Ceramics Market Forecast: Sales Value (in Million
US\$), 2022-2027

Figure 72: Brazil: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 73: Brazil: Medical Ceramics Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 74: Mexico: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 75: Mexico: Medical Ceramics Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 76: Others: Medical Ceramics Market: Sales Value (in Million US\$), 2016 & 2021

Figure 77: Others: Medical Ceramics Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 78: Middle East and Africa: Medical Ceramics Market: Sales Value (in Million
US\$), 2016 & 2021

Figure 79: Middle East and Africa: Medical Ceramics Market Forecast: Sales Value (in
Million US\$), 2022-2027

Figure 80: Global: Medical Ceramics Industry: SWOT Analysis

Figure 81: Global: Medical Ceramics Industry: Value Chain Analysis

Figure 82: Global: Medical Ceramics Industry: Porter's Five Forces Analysis

I would like to order

Product name: Medical Ceramics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

Product link: <https://marketpublishers.com/r/M80F2B2E3373EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M80F2B2E3373EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

