

# **Global Glass Ceramic Market Size study & Forecast, by Composition (Lithium-Aluminium-Silicate (LAS), Zinc-Aluminium-Silicon Oxides (ZAS), Magnesium-Aluminium-Silicon Oxides (MAS), and Others), by Application (Building & Construction, Electrical & Electronics, Healthcare, Aerospace, Optical, and Others) and Regional Analysis, 2023-2030**

<https://marketpublishers.com/r/GD1D3B4B9460EN.html>

Date: July 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GD1D3B4B9460EN

## **Abstracts**

Global Glass Ceramic Market is valued at approximately USD 1.5 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 6% over the forecast period 2023-2030. Glass ceramics are a type of material that combines the properties of glass and ceramics. They are made by heat-treating certain glasses to induce crystallization, which results in a material that has the strength and durability of ceramics while retaining the transparency and other properties of glass. The global glass ceramics market is largely driven by the growing demand from the construction industry due to its ability to reduce noise and cost-effectiveness compared to other options. However, one of the biggest challenges facing the market in the coming years is the high cost of energy used in production. The production of glass ceramics requires a significant amount of energy, and fluctuations in the prices of essential energy supplies like crude oil can significantly impact manufacturing costs. As a result, manufacturers may struggle to maintain profitability and competitive pricing in the market.

The construction industry is always in search of innovative materials that can provide strength, durability, and thermal insulation. Glass ceramics are one such material that has gained popularity due to its unique properties. Glass ceramics are a combination of glass and ceramic materials that are heat-treated to induce crystallization. The resulting material has high strength, durability, and thermal resistance, making it an ideal choice

for various construction applications.

As per, International Labour Organization, the construction industry is a major employer, with around 7% of the world's working-age population employed in the sector. Similarly, the demand for sustainable construction materials and practices is on the rise, with a report by the United Nations estimating that the construction sector could reduce global carbon emissions by up to 30% by using more sustainable practices and materials. The production of glass ceramics involves high costs, including the cost of raw materials, energy, and processing. These high production costs can impact the affordability of glass ceramic products, which may restrain their demand in certain applications.

The key regions considered for the Global Glass Ceramic Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. The Asia-Pacific region is the fastest-growing construction market, driven by rapid urbanization, population growth, and infrastructure development. Countries like China, India, and Indonesia are investing heavily in construction projects, and the region is expected to account for almost half of global construction output by 2025, according to a report by Global Construction Perspectives and Oxford Economics.

The use of ceramic inks has been in high demand due to China's booming construction sector. The country's government has allocated over 7% of its capital expenditure towards construction, which is higher than the previous year. China is currently the largest market for construction and is witnessing substantial growth in this sector. Some of the major construction projects in China include the Beijing International Airport, which is contributing significantly to the demand for ceramic inks.

Major market players included in this report are:

Corning Inc.

Schott AG

Asahi Glass Co., Ltd.

Saint-Gobain S.A.

Nippon Electric Glass Co., Ltd.

CeramTec GmbH

KYOCERA Corporation

Murata Manufacturing Co., Ltd.

Ohara Corporation

Hoya Corporation

Recent Developments in the Market:

In January 2021, SCHOTT AG launched a new glass ceramic material, called NEXTREMA® Pearl, which is designed for high-temperature applications in the home

appliance industry. The material offers high thermal shock resistance and a unique pearl-like appearance.

In October 2020, Corning Incorporated announced a partnership with Toyota Motor Corporation to develop glass technologies for the automotive industry, including glass ceramics for headlights and other applications. The companies are focusing on improving safety and design in vehicles.

In July 2020, AGC Inc. launched a new range of glass ceramics, called CLEARER, which offers high transparency and low reflectivity. The material is designed for use in displays, lighting, and other applications where optical performance is critical.

Global Glass Ceramic Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Composition, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Composition:

Lithium-aluminium-silicate (LAS)

Zinc-aluminium-silicon oxides (ZAS)

Magnesium-aluminium-silicon oxides (MAS)

Others

**By Application:**

Building & construction  
Electrical & electronics  
Healthcare  
Aerospace  
Optical  
Others

**By Region:**

North America  
U.S.  
Canada

Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC

Latin America  
Brazil  
Mexico

Middle East & Africa  
Saudi Arabia  
South Africa  
Rest of Middle East & Africa

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Glass Ceramic Market, by Region, 2020-2030 (USD Billion)
  - 1.2.2. Glass Ceramic Market, by Composition, 2020-2030 (USD Billion)
  - 1.2.3. Glass Ceramic Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL GLASS CERAMIC MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL GLASS CERAMIC MARKET DYNAMICS

- 3.1. Glass Ceramic Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Growing demand from the construction industry
    - 3.1.1.2. Growing demand for cookware and kitchenware
  - 3.1.2. Market Challenges
    - 3.1.2.1. High production cost
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Increasing use in medical applications

### CHAPTER 4. GLOBAL GLASS CERAMIC MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants

- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL GLASS CERAMIC MARKET, BY COMPOSITION**

- 5.1. Market Snapshot
- 5.2. Global Glass Ceramic Market by Composition, Performance - Potential Analysis
- 5.3. Global Glass Ceramic Market Estimates & Forecasts by Composition 2020-2030 (USD Billion)
- 5.4. Glass Ceramic Market, Sub Segment Analysis
  - 5.4.1. Lithium-aluminium-silicate (LAS)
  - 5.4.2. Zinc-aluminium-silicon oxides (ZAS)
  - 5.4.3. Magnesium-aluminium-silicon oxides (MAS)
  - 5.4.4. Others

## **CHAPTER 6. GLOBAL GLASS CERAMIC MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Global Glass Ceramic Market by Application, Performance - Potential Analysis
- 6.3. Global Glass Ceramic Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 6.4. Glass Ceramic Market, Sub Segment Analysis
  - 6.4.1. Building & construction
  - 6.4.2. Electrical & electronics
  - 6.4.3. Healthcare

- 6.4.4. Aerospace
- 6.4.5. Optical
- 6.4.6. Others

## **CHAPTER 7. GLOBAL GLASS CERAMIC MARKET, REGIONAL ANALYSIS**

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Glass Ceramic Market, Regional Market Snapshot
- 7.4. North America Glass Ceramic Market
  - 7.4.1. U.S. Glass Ceramic Market
    - 7.4.1.1. Composition breakdown estimates & forecasts, 2020-2030
    - 7.4.1.2. Application breakdown estimates & forecasts, 2020-2030
  - 7.4.2. Canada Glass Ceramic Market
- 7.5. Europe Glass Ceramic Market Snapshot
  - 7.5.1. U.K. Glass Ceramic Market
  - 7.5.2. Germany Glass Ceramic Market
  - 7.5.3. France Glass Ceramic Market
  - 7.5.4. Spain Glass Ceramic Market
  - 7.5.5. Italy Glass Ceramic Market
  - 7.5.6. Rest of Europe Glass Ceramic Market
- 7.6. Asia-Pacific Glass Ceramic Market Snapshot
  - 7.6.1. China Glass Ceramic Market
  - 7.6.2. India Glass Ceramic Market
  - 7.6.3. Japan Glass Ceramic Market
  - 7.6.4. Australia Glass Ceramic Market
  - 7.6.5. South Korea Glass Ceramic Market
  - 7.6.6. Rest of Asia Pacific Glass Ceramic Market
- 7.7. Latin America Glass Ceramic Market Snapshot
  - 7.7.1. Brazil Glass Ceramic Market
  - 7.7.2. Mexico Glass Ceramic Market
- 7.8. Middle East & Africa Glass Ceramic Market
  - 7.8.1. Saudi Arabia Glass Ceramic Market
  - 7.8.2. South Africa Glass Ceramic Market
  - 7.8.3. Rest of Middle East & Africa Glass Ceramic Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis

- 8.1.1. Company
- 8.1.2. Company
- 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Corning Inc.
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Recent Developments
  - 8.3.2. Schott AG
  - 8.3.3. Asahi Glass Co., Ltd.
  - 8.3.4. Saint-Gobain S.A.
  - 8.3.5. Nippon Electric Glass Co., Ltd.
  - 8.3.6. CeramTec GmbH
  - 8.3.7. KYOCERA Corporation
  - 8.3.8. Murata Manufacturing Co., Ltd.
  - 8.3.9. Ohara Corporation
  - 8.3.10. Hoya Corporation

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining
  - 9.1.2. Analysis
  - 9.1.3. Market Estimation
  - 9.1.4. Validation
  - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption



## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Glass Ceramic Market, report scope
- TABLE 2. Global Glass Ceramic Market estimates & forecasts by region 2020-2030 (USD Billion)
- TABLE 3. Global Glass Ceramic Market estimates & forecasts by Composition 2020-2030 (USD Billion)
- TABLE 4. Global Glass Ceramic Market estimates & forecasts by Application 2020-2030 (USD Billion)
- TABLE 5. Global Glass Ceramic Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 6. Global Glass Ceramic Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 7. Global Glass Ceramic Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 8. Global Glass Ceramic Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 9. Global Glass Ceramic Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 10. Global Glass Ceramic Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 11. Global Glass Ceramic Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 12. Global Glass Ceramic Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 13. Global Glass Ceramic Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 14. Global Glass Ceramic Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 15. U.S. Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 16. U.S. Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 17. U.S. Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 18. Canada Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 19. Canada Glass Ceramic Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 20. Canada Glass Ceramic Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 21. UK Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. China Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Glass Ceramic Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 41. China Glass Ceramic Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 42. India Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Glass Ceramic Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 44. India Glass Ceramic Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 45. Japan Glass Ceramic Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 46. Japan Glass Ceramic Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 47. Japan Glass Ceramic Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 48. South Korea Glass Ceramic Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 49. South Korea Glass Ceramic Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 50. South Korea Glass Ceramic Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 51. Australia Glass Ceramic Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 52. Australia Glass Ceramic Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 53. Australia Glass Ceramic Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 54. RoAPAC Glass Ceramic Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 55. RoAPAC Glass Ceramic Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 56. RoAPAC Glass Ceramic Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 57. Brazil Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Glass Ceramic Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 59. Brazil Glass Ceramic Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 60. Mexico Glass Ceramic Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 61. Mexico Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. RoLA Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Glass Ceramic Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. RoMEA Glass Ceramic Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Glass Ceramic Market

TABLE 70. List of primary sources, used in the study of global Glass Ceramic Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Glass Ceramic Market, research methodology
  - FIG 2. Global Glass Ceramic Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Glass Ceramic Market, key trends 2022
  - FIG 5. Global Glass Ceramic Market, growth prospects 2023-2030
  - FIG 6. Global Glass Ceramic Market, porters 5 force model
  - FIG 7. Global Glass Ceramic Market, pest analysis
  - FIG 8. Global Glass Ceramic Market, value chain analysis
  - FIG 9. Global Glass Ceramic Market by segment, 2020 & 2030 (USD Billion)
  - FIG 10. Global Glass Ceramic Market by segment, 2020 & 2030 (USD Billion)
  - FIG 11. Global Glass Ceramic Market by segment, 2020 & 2030 (USD Billion)
  - FIG 12. Global Glass Ceramic Market by segment, 2020 & 2030 (USD Billion)
  - FIG 13. Global Glass Ceramic Market by segment, 2020 & 2030 (USD Billion)
  - FIG 14. Global Glass Ceramic Market, regional snapshot 2020 & 2030
  - FIG 15. North America Glass Ceramic Market 2020 & 2030 (USD Billion)
  - FIG 16. Europe Glass Ceramic Market 2020 & 2030 (USD Billion)
  - FIG 17. Asia Pacific Glass Ceramic Market 2020 & 2030 (USD Billion)
  - FIG 18. Latin America Glass Ceramic Market 2020 & 2030 (USD Billion)
  - FIG 19. Middle East & Africa Glass Ceramic Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Glass Ceramic Market Size study & Forecast, by Composition (Lithium-Aluminium-Silicate (LAS), Zinc-Aluminium-Silicon Oxides (ZAS), Magnesium-Aluminium-Silicon Oxides (MAS), and Others), by Application (Building & Construction, Electrical & Electronics, Healthcare, Aerospace, Optical, and Others) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GD1D3B4B9460EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD1D3B4B9460EN.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