

Global Semiconductor High Performance Ceramics Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Semiconductor High Performance Ceramics market size is expected to reach \$ 4861.3 million by 2029, rising at a market growth of 8.3% CAGR during the forecast period (2023-2029).

Global key players of semiconductor high performance ceramics include NGK Insulators, Coorstek, NGK Spark Plug (NTK Ceratec), etc. The top three players hold a share about 56%. Asia-Pacific is the largest market, has a share about 54%, followed by North America and Europe, with share 35% and 10%, separately.

Engineered technical ceramics are used in the semiconductor industry because of their excellent material properties. This report studies the structural ceramic components used in semiconductor wafer processing, and semiconductor fabrication (front end). Key ceramic components for crystal silicon pulling, deposition (CVD, PVD, ALD, Etch, High Temp Processing, Ion Implant, Lithography & Wafer Inspection, Diffusion & LPCVD Processing, CMP, and Wafer Handling, etc.

This report studies the global Semiconductor High Performance Ceramics demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Semiconductor High Performance Ceramics, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Semiconductor High Performance Ceramics that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Semiconductor High Performance Ceramics total market, 2018-2029, (USD Million)

Global Semiconductor High Performance Ceramics total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: Semiconductor High Performance Ceramics total market, key domestic companies and share, (USD Million)

Global Semiconductor High Performance Ceramics revenue by player and market share 2018-2023, (USD Million)

Global Semiconductor High Performance Ceramics total market By Ceramics Type, CAGR, 2018-2029, (USD Million)

Global Semiconductor High Performance Ceramics total market By Wafer Size, CAGR, 2018-2029, (USD Million)

This reports profiles major players in the global Semiconductor High Performance Ceramics market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Coorstek, Kyocera, Ferrotec, TOTO Advanced Ceramics, Morgan Advanced Materials, NGK Insulators, MiCo Ceramics Co., Ltd., ASUZAC Fine Ceramics and NGK Spark Plug (NTK Ceratec), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Semiconductor High Performance Ceramics market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, By Ceramics Type, and By Wafer Size. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Semiconductor High Performance Ceramics Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Semiconductor High Performance Ceramics Market, Segmentation By Ceramics Type

Aluminas (Al₂O₃)

Aluminum Nitride (AlN)

Silicon Carbide (SiC)

Silicon Nitride (Si₃N₄)

Others

Global Semiconductor High Performance Ceramics Market, Segmentation By Wafer Size

300 mm Wafer

200 mm Wafer

Others

Companies Profiled:

Coorstek

Kyocera

Ferrotec

TOTO Advanced Ceramics

Morgan Advanced Materials

NGK Insulators

MiCo Ceramics Co., Ltd.

ASUZAC Fine Ceramics

NGK Spark Plug (NTK Ceratec)

3M

Japan Fine Ceramics Co., Ltd. (JFC)

Maruwa

Bullen Ultrasonics

Saint-Gobain

Schunk Xycarb Technology

Superior Technical Ceramics (STC)

Precision Ferrites & Ceramics (PFC)

Nishimura Advanced Ceramics

Ortech Ceramics

St.Cera Co., Ltd

Fountyl

CeramTec

Suzhou KemaTek, Inc.

Shanghai Companion

Sanzer (Shanghai) New Materials Technology

Key Questions Answered

1. How big is the global Semiconductor High Performance Ceramics market?
2. What is the demand of the global Semiconductor High Performance Ceramics market?
3. What is the year over year growth of the global Semiconductor High Performance Ceramics market?
4. What is the total value of the global Semiconductor High Performance Ceramics market?
5. Who are the major players in the global Semiconductor High Performance Ceramics market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Semiconductor High Performance Ceramics Introduction
- 1.2 World Semiconductor High Performance Ceramics Market Size & Forecast (2018 & 2022 & 2029)
- 1.3 World Semiconductor High Performance Ceramics Total Market by Region (by Headquarter Location)
 - 1.3.1 World Semiconductor High Performance Ceramics Market Size by Region (2018-2029), (by Headquarter Location)
 - 1.3.2 United States Semiconductor High Performance Ceramics Market Size (2018-2029)
 - 1.3.3 China Semiconductor High Performance Ceramics Market Size (2018-2029)
 - 1.3.4 Europe Semiconductor High Performance Ceramics Market Size (2018-2029)
 - 1.3.5 Japan Semiconductor High Performance Ceramics Market Size (2018-2029)
 - 1.3.6 South Korea Semiconductor High Performance Ceramics Market Size (2018-2029)
 - 1.3.7 ASEAN Semiconductor High Performance Ceramics Market Size (2018-2029)
 - 1.3.8 India Semiconductor High Performance Ceramics Market Size (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Semiconductor High Performance Ceramics Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Semiconductor High Performance Ceramics Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Semiconductor High Performance Ceramics Consumption Value (2018-2029)
- 2.2 World Semiconductor High Performance Ceramics Consumption Value by Region
 - 2.2.1 World Semiconductor High Performance Ceramics Consumption Value by Region (2018-2023)
 - 2.2.2 World Semiconductor High Performance Ceramics Consumption Value Forecast by Region (2024-2029)
- 2.3 United States Semiconductor High Performance Ceramics Consumption Value (2018-2029)
- 2.4 China Semiconductor High Performance Ceramics Consumption Value (2018-2029)

2.5 Europe Semiconductor High Performance Ceramics Consumption Value (2018-2029)

2.6 Japan Semiconductor High Performance Ceramics Consumption Value (2018-2029)

2.7 South Korea Semiconductor High Performance Ceramics Consumption Value (2018-2029)

2.8 ASEAN Semiconductor High Performance Ceramics Consumption Value (2018-2029)

2.9 India Semiconductor High Performance Ceramics Consumption Value (2018-2029)

3 WORLD SEMICONDUCTOR HIGH PERFORMANCE CERAMICS COMPANIES COMPETITIVE ANALYSIS

3.1 World Semiconductor High Performance Ceramics Revenue by Player (2018-2023)

3.2 Industry Rank and Concentration Rate (CR)

3.2.1 Global Semiconductor High Performance Ceramics Industry Rank of Major Players

3.2.2 Global Concentration Ratios (CR4) for Semiconductor High Performance Ceramics in 2022

3.2.3 Global Concentration Ratios (CR8) for Semiconductor High Performance Ceramics in 2022

3.3 Semiconductor High Performance Ceramics Company Evaluation Quadrant

3.4 Semiconductor High Performance Ceramics Market: Overall Company Footprint Analysis

3.4.1 Semiconductor High Performance Ceramics Market: Region Footprint

3.4.2 Semiconductor High Performance Ceramics Market: Company Product Type Footprint

3.4.3 Semiconductor High Performance Ceramics Market: Company Product Application Footprint

3.5 Competitive Environment

3.5.1 Historical Structure of the Industry

3.5.2 Barriers of Market Entry

3.5.3 Factors of Competition

3.6 Mergers, Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF THE WORLD (BY HEADQUARTER LOCATION)

4.1 United States VS China: Semiconductor High Performance Ceramics Revenue Comparison (by Headquarter Location)

- 4.1.1 United States VS China: Semiconductor High Performance Ceramics Market Size Comparison (2018 & 2022 & 2029) (by Headquarter Location)
- 4.1.2 United States VS China: Semiconductor High Performance Ceramics Revenue Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States Based Companies VS China Based Companies: Semiconductor High Performance Ceramics Consumption Value Comparison
 - 4.2.1 United States VS China: Semiconductor High Performance Ceramics Consumption Value Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: Semiconductor High Performance Ceramics Consumption Value Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States Based Semiconductor High Performance Ceramics Companies and Market Share, 2018-2023
 - 4.3.1 United States Based Semiconductor High Performance Ceramics Companies, Headquarters (States, Country)
 - 4.3.2 United States Based Companies Semiconductor High Performance Ceramics Revenue, (2018-2023)
- 4.4 China Based Companies Semiconductor High Performance Ceramics Revenue and Market Share, 2018-2023
 - 4.4.1 China Based Semiconductor High Performance Ceramics Companies, Company Headquarters (Province, Country)
 - 4.4.2 China Based Companies Semiconductor High Performance Ceramics Revenue, (2018-2023)
- 4.5 Rest of World Based Semiconductor High Performance Ceramics Companies and Market Share, 2018-2023
 - 4.5.1 Rest of World Based Semiconductor High Performance Ceramics Companies, Headquarters (States, Country)
 - 4.5.2 Rest of World Based Companies Semiconductor High Performance Ceramics Revenue, (2018-2023)

5 MARKET ANALYSIS BY CERAMICS TYPE

- 5.1 World Semiconductor High Performance Ceramics Market Size Overview By Ceramics Type: 2018 VS 2022 VS 2029
- 5.2 Segment Introduction By Ceramics Type
 - 5.2.1 Aluminas (Al₂O₃)
 - 5.2.2 Aluminum Nitride (AlN)
 - 5.2.3 Silicon Carbide (SiC)
 - 5.2.4 Silicon Nitride (Si₃N₄)
 - 5.2.5 Others

5.3 Market Segment By Ceramics Type

5.3.1 World Semiconductor High Performance Ceramics Market Size By Ceramics Type (2018-2023)

5.3.2 World Semiconductor High Performance Ceramics Market Size By Ceramics Type (2024-2029)

5.3.3 World Semiconductor High Performance Ceramics Market Size Market Share By Ceramics Type (2018-2029)

6 MARKET ANALYSIS BY WAFER SIZE

6.1 World Semiconductor High Performance Ceramics Market Size Overview By Wafer Size: 2018 VS 2022 VS 2029

6.2 Segment Introduction By Wafer Size

6.2.1 300 mm Wafer

6.2.2 200 mm Wafer

6.2.3 Others

6.3 Market Segment By Wafer Size

6.3.1 World Semiconductor High Performance Ceramics Market Size By Wafer Size (2018-2023)

6.3.2 World Semiconductor High Performance Ceramics Market Size By Wafer Size (2024-2029)

6.3.3 World Semiconductor High Performance Ceramics Market Size By Wafer Size (2018-2029)

7 COMPANY PROFILES

7.1 Coorstek

7.1.1 Coorstek Details

7.1.2 Coorstek Major Business

7.1.3 Coorstek Semiconductor High Performance Ceramics Product and Services

7.1.4 Coorstek Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.1.5 Coorstek Recent Developments/Updates

7.1.6 Coorstek Competitive Strengths & Weaknesses

7.2 Kyocera

7.2.1 Kyocera Details

7.2.2 Kyocera Major Business

7.2.3 Kyocera Semiconductor High Performance Ceramics Product and Services

7.2.4 Kyocera Semiconductor High Performance Ceramics Revenue, Gross Margin

and Market Share (2018-2023)

7.2.5 Kyocera Recent Developments/Updates

7.2.6 Kyocera Competitive Strengths & Weaknesses

7.3 Ferrotec

7.3.1 Ferrotec Details

7.3.2 Ferrotec Major Business

7.3.3 Ferrotec Semiconductor High Performance Ceramics Product and Services

7.3.4 Ferrotec Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.3.5 Ferrotec Recent Developments/Updates

7.3.6 Ferrotec Competitive Strengths & Weaknesses

7.4 TOTO Advanced Ceramics

7.4.1 TOTO Advanced Ceramics Details

7.4.2 TOTO Advanced Ceramics Major Business

7.4.3 TOTO Advanced Ceramics Semiconductor High Performance Ceramics Product and Services

7.4.4 TOTO Advanced Ceramics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.4.5 TOTO Advanced Ceramics Recent Developments/Updates

7.4.6 TOTO Advanced Ceramics Competitive Strengths & Weaknesses

7.5 Morgan Advanced Materials

7.5.1 Morgan Advanced Materials Details

7.5.2 Morgan Advanced Materials Major Business

7.5.3 Morgan Advanced Materials Semiconductor High Performance Ceramics Product and Services

7.5.4 Morgan Advanced Materials Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.5.5 Morgan Advanced Materials Recent Developments/Updates

7.5.6 Morgan Advanced Materials Competitive Strengths & Weaknesses

7.6 NGK Insulators

7.6.1 NGK Insulators Details

7.6.2 NGK Insulators Major Business

7.6.3 NGK Insulators Semiconductor High Performance Ceramics Product and Services

7.6.4 NGK Insulators Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.6.5 NGK Insulators Recent Developments/Updates

7.6.6 NGK Insulators Competitive Strengths & Weaknesses

7.7 MiCo Ceramics Co., Ltd.

- 7.7.1 MiCo Ceramics Co., Ltd. Details
- 7.7.2 MiCo Ceramics Co., Ltd. Major Business
- 7.7.3 MiCo Ceramics Co., Ltd. Semiconductor High Performance Ceramics Product and Services
- 7.7.4 MiCo Ceramics Co., Ltd. Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
- 7.7.5 MiCo Ceramics Co., Ltd. Recent Developments/Updates
- 7.7.6 MiCo Ceramics Co., Ltd. Competitive Strengths & Weaknesses
- 7.8 ASUZAC Fine Ceramics
 - 7.8.1 ASUZAC Fine Ceramics Details
 - 7.8.2 ASUZAC Fine Ceramics Major Business
 - 7.8.3 ASUZAC Fine Ceramics Semiconductor High Performance Ceramics Product and Services
 - 7.8.4 ASUZAC Fine Ceramics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
 - 7.8.5 ASUZAC Fine Ceramics Recent Developments/Updates
 - 7.8.6 ASUZAC Fine Ceramics Competitive Strengths & Weaknesses
- 7.9 NGK Spark Plug (NTK Ceratec)
 - 7.9.1 NGK Spark Plug (NTK Ceratec) Details
 - 7.9.2 NGK Spark Plug (NTK Ceratec) Major Business
 - 7.9.3 NGK Spark Plug (NTK Ceratec) Semiconductor High Performance Ceramics Product and Services
 - 7.9.4 NGK Spark Plug (NTK Ceratec) Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
 - 7.9.5 NGK Spark Plug (NTK Ceratec) Recent Developments/Updates
 - 7.9.6 NGK Spark Plug (NTK Ceratec) Competitive Strengths & Weaknesses
- 7.10 3M
 - 7.10.1 3M Details
 - 7.10.2 3M Major Business
 - 7.10.3 3M Semiconductor High Performance Ceramics Product and Services
 - 7.10.4 3M Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
 - 7.10.5 3M Recent Developments/Updates
 - 7.10.6 3M Competitive Strengths & Weaknesses
- 7.11 Japan Fine Ceramics Co., Ltd. (JFC)
 - 7.11.1 Japan Fine Ceramics Co., Ltd. (JFC) Details
 - 7.11.2 Japan Fine Ceramics Co., Ltd. (JFC) Major Business
 - 7.11.3 Japan Fine Ceramics Co., Ltd. (JFC) Semiconductor High Performance Ceramics Product and Services

- 7.11.4 Japan Fine Ceramics Co., Ltd. (JFC) Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
- 7.11.5 Japan Fine Ceramics Co., Ltd. (JFC) Recent Developments/Updates
- 7.11.6 Japan Fine Ceramics Co., Ltd. (JFC) Competitive Strengths & Weaknesses
- 7.12 Maruwa
 - 7.12.1 Maruwa Details
 - 7.12.2 Maruwa Major Business
 - 7.12.3 Maruwa Semiconductor High Performance Ceramics Product and Services
 - 7.12.4 Maruwa Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
 - 7.12.5 Maruwa Recent Developments/Updates
 - 7.12.6 Maruwa Competitive Strengths & Weaknesses
- 7.13 Bullen Ultrasonics
 - 7.13.1 Bullen Ultrasonics Details
 - 7.13.2 Bullen Ultrasonics Major Business
 - 7.13.3 Bullen Ultrasonics Semiconductor High Performance Ceramics Product and Services
 - 7.13.4 Bullen Ultrasonics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
 - 7.13.5 Bullen Ultrasonics Recent Developments/Updates
 - 7.13.6 Bullen Ultrasonics Competitive Strengths & Weaknesses
- 7.14 Saint-Gobain
 - 7.14.1 Saint-Gobain Details
 - 7.14.2 Saint-Gobain Major Business
 - 7.14.3 Saint-Gobain Semiconductor High Performance Ceramics Product and Services
 - 7.14.4 Saint-Gobain Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
 - 7.14.5 Saint-Gobain Recent Developments/Updates
 - 7.14.6 Saint-Gobain Competitive Strengths & Weaknesses
- 7.15 Schunk Xycarb Technology
 - 7.15.1 Schunk Xycarb Technology Details
 - 7.15.2 Schunk Xycarb Technology Major Business
 - 7.15.3 Schunk Xycarb Technology Semiconductor High Performance Ceramics Product and Services
 - 7.15.4 Schunk Xycarb Technology Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
 - 7.15.5 Schunk Xycarb Technology Recent Developments/Updates
 - 7.15.6 Schunk Xycarb Technology Competitive Strengths & Weaknesses

7.16 Superior Technical Ceramics (STC)

7.16.1 Superior Technical Ceramics (STC) Details

7.16.2 Superior Technical Ceramics (STC) Major Business

7.16.3 Superior Technical Ceramics (STC) Semiconductor High Performance Ceramics Product and Services

7.16.4 Superior Technical Ceramics (STC) Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.16.5 Superior Technical Ceramics (STC) Recent Developments/Updates

7.16.6 Superior Technical Ceramics (STC) Competitive Strengths & Weaknesses

7.17 Precision Ferrites & Ceramics (PFC)

7.17.1 Precision Ferrites & Ceramics (PFC) Details

7.17.2 Precision Ferrites & Ceramics (PFC) Major Business

7.17.3 Precision Ferrites & Ceramics (PFC) Semiconductor High Performance Ceramics Product and Services

7.17.4 Precision Ferrites & Ceramics (PFC) Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.17.5 Precision Ferrites & Ceramics (PFC) Recent Developments/Updates

7.17.6 Precision Ferrites & Ceramics (PFC) Competitive Strengths & Weaknesses

7.18 Nishimura Advanced Ceramics

7.18.1 Nishimura Advanced Ceramics Details

7.18.2 Nishimura Advanced Ceramics Major Business

7.18.3 Nishimura Advanced Ceramics Semiconductor High Performance Ceramics Product and Services

7.18.4 Nishimura Advanced Ceramics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.18.5 Nishimura Advanced Ceramics Recent Developments/Updates

7.18.6 Nishimura Advanced Ceramics Competitive Strengths & Weaknesses

7.19 Ortech Ceramics

7.19.1 Ortech Ceramics Details

7.19.2 Ortech Ceramics Major Business

7.19.3 Ortech Ceramics Semiconductor High Performance Ceramics Product and Services

7.19.4 Ortech Ceramics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.19.5 Ortech Ceramics Recent Developments/Updates

7.19.6 Ortech Ceramics Competitive Strengths & Weaknesses

7.20 St.Cera Co., Ltd

7.20.1 St.Cera Co., Ltd Details

7.20.2 St.Cera Co., Ltd Major Business

7.20.3 St.Cera Co., Ltd Semiconductor High Performance Ceramics Product and Services

7.20.4 St.Cera Co., Ltd Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.20.5 St.Cera Co., Ltd Recent Developments/Updates

7.20.6 St.Cera Co., Ltd Competitive Strengths & Weaknesses

7.21 Fountyl

7.21.1 Fountyl Details

7.21.2 Fountyl Major Business

7.21.3 Fountyl Semiconductor High Performance Ceramics Product and Services

7.21.4 Fountyl Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.21.5 Fountyl Recent Developments/Updates

7.21.6 Fountyl Competitive Strengths & Weaknesses

7.22 CeramTec

7.22.1 CeramTec Details

7.22.2 CeramTec Major Business

7.22.3 CeramTec Semiconductor High Performance Ceramics Product and Services

7.22.4 CeramTec Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.22.5 CeramTec Recent Developments/Updates

7.22.6 CeramTec Competitive Strengths & Weaknesses

7.23 Suzhou KemaTek, Inc.

7.23.1 Suzhou KemaTek, Inc. Details

7.23.2 Suzhou KemaTek, Inc. Major Business

7.23.3 Suzhou KemaTek, Inc. Semiconductor High Performance Ceramics Product and Services

7.23.4 Suzhou KemaTek, Inc. Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.23.5 Suzhou KemaTek, Inc. Recent Developments/Updates

7.23.6 Suzhou KemaTek, Inc. Competitive Strengths & Weaknesses

7.24 Shanghai Companion

7.24.1 Shanghai Companion Details

7.24.2 Shanghai Companion Major Business

7.24.3 Shanghai Companion Semiconductor High Performance Ceramics Product and Services

7.24.4 Shanghai Companion Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)

7.24.5 Shanghai Companion Recent Developments/Updates

- 7.24.6 Shanghai Companion Competitive Strengths & Weaknesses
- 7.25 Sanzer (Shanghai) New Materials Technology
 - 7.25.1 Sanzer (Shanghai) New Materials Technology Details
 - 7.25.2 Sanzer (Shanghai) New Materials Technology Major Business
 - 7.25.3 Sanzer (Shanghai) New Materials Technology Semiconductor High Performance Ceramics Product and Services
 - 7.25.4 Sanzer (Shanghai) New Materials Technology Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023)
 - 7.25.5 Sanzer (Shanghai) New Materials Technology Recent Developments/Updates
 - 7.25.6 Sanzer (Shanghai) New Materials Technology Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Semiconductor High Performance Ceramics Industry Chain
- 8.2 Semiconductor High Performance Ceramics Upstream Analysis
- 8.3 Semiconductor High Performance Ceramics Midstream Analysis
- 8.4 Semiconductor High Performance Ceramics Downstream Analysis

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World Semiconductor High Performance Ceramics Revenue by Region (2018, 2022 and 2029) & (USD Million), (by Headquarter Location)
- Table 2. World Semiconductor High Performance Ceramics Revenue by Region (2018-2023) & (USD Million), (by Headquarter Location)
- Table 3. World Semiconductor High Performance Ceramics Revenue by Region (2024-2029) & (USD Million), (by Headquarter Location)
- Table 4. World Semiconductor High Performance Ceramics Revenue Market Share by Region (2018-2023), (by Headquarter Location)
- Table 5. World Semiconductor High Performance Ceramics Revenue Market Share by Region (2024-2029), (by Headquarter Location)
- Table 6. Major Market Trends
- Table 7. World Semiconductor High Performance Ceramics Consumption Value Growth Rate Forecast by Region (2018 & 2022 & 2029) & (USD Million)
- Table 8. World Semiconductor High Performance Ceramics Consumption Value by Region (2018-2023) & (USD Million)
- Table 9. World Semiconductor High Performance Ceramics Consumption Value Forecast by Region (2024-2029) & (USD Million)
- Table 10. World Semiconductor High Performance Ceramics Revenue by Player (2018-2023) & (USD Million)
- Table 11. Revenue Market Share of Key Semiconductor High Performance Ceramics Players in 2022
- Table 12. World Semiconductor High Performance Ceramics Industry Rank of Major Player, Based on Revenue in 2022
- Table 13. Global Semiconductor High Performance Ceramics Company Evaluation Quadrant
- Table 14. Head Office of Key Semiconductor High Performance Ceramics Player
- Table 15. Semiconductor High Performance Ceramics Market: Company Product Type Footprint
- Table 16. Semiconductor High Performance Ceramics Market: Company Product Application Footprint
- Table 17. Semiconductor High Performance Ceramics Mergers & Acquisitions Activity
- Table 18. United States VS China Semiconductor High Performance Ceramics Market Size Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 19. United States VS China Semiconductor High Performance Ceramics Consumption Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 20. United States Based Semiconductor High Performance Ceramics Companies, Headquarters (States, Country)

Table 21. United States Based Companies Semiconductor High Performance Ceramics Revenue, (2018-2023) & (USD Million)

Table 22. United States Based Companies Semiconductor High Performance Ceramics Revenue Market Share (2018-2023)

Table 23. China Based Semiconductor High Performance Ceramics Companies, Headquarters (Province, Country)

Table 24. China Based Companies Semiconductor High Performance Ceramics Revenue, (2018-2023) & (USD Million)

Table 25. China Based Companies Semiconductor High Performance Ceramics Revenue Market Share (2018-2023)

Table 26. Rest of World Based Semiconductor High Performance Ceramics Companies, Headquarters (States, Country)

Table 27. Rest of World Based Companies Semiconductor High Performance Ceramics Revenue, (2018-2023) & (USD Million)

Table 28. Rest of World Based Companies Semiconductor High Performance Ceramics Revenue Market Share (2018-2023)

Table 29. World Semiconductor High Performance Ceramics Market Size By Ceramics Type, (USD Million), 2018 & 2022 & 2029

Table 30. World Semiconductor High Performance Ceramics Market Size By Ceramics Type (2018-2023) & (USD Million)

Table 31. World Semiconductor High Performance Ceramics Market Size By Ceramics Type (2024-2029) & (USD Million)

Table 32. World Semiconductor High Performance Ceramics Market Size By Wafer Size, (USD Million), 2018 & 2022 & 2029

Table 33. World Semiconductor High Performance Ceramics Market Size By Wafer Size (2018-2023) & (USD Million)

Table 34. World Semiconductor High Performance Ceramics Market Size By Wafer Size (2024-2029) & (USD Million)

Table 35. Coorstek Basic Information, Area Served and Competitors

Table 36. Coorstek Major Business

Table 37. Coorstek Semiconductor High Performance Ceramics Product and Services

Table 38. Coorstek Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 39. Coorstek Recent Developments/Updates

Table 40. Coorstek Competitive Strengths & Weaknesses

Table 41. Kyocera Basic Information, Area Served and Competitors

Table 42. Kyocera Major Business

- Table 43. Kyocera Semiconductor High Performance Ceramics Product and Services
- Table 44. Kyocera Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 45. Kyocera Recent Developments/Updates
- Table 46. Kyocera Competitive Strengths & Weaknesses
- Table 47. Ferrotec Basic Information, Area Served and Competitors
- Table 48. Ferrotec Major Business
- Table 49. Ferrotec Semiconductor High Performance Ceramics Product and Services
- Table 50. Ferrotec Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 51. Ferrotec Recent Developments/Updates
- Table 52. Ferrotec Competitive Strengths & Weaknesses
- Table 53. TOTO Advanced Ceramics Basic Information, Area Served and Competitors
- Table 54. TOTO Advanced Ceramics Major Business
- Table 55. TOTO Advanced Ceramics Semiconductor High Performance Ceramics Product and Services
- Table 56. TOTO Advanced Ceramics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 57. TOTO Advanced Ceramics Recent Developments/Updates
- Table 58. TOTO Advanced Ceramics Competitive Strengths & Weaknesses
- Table 59. Morgan Advanced Materials Basic Information, Area Served and Competitors
- Table 60. Morgan Advanced Materials Major Business
- Table 61. Morgan Advanced Materials Semiconductor High Performance Ceramics Product and Services
- Table 62. Morgan Advanced Materials Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 63. Morgan Advanced Materials Recent Developments/Updates
- Table 64. Morgan Advanced Materials Competitive Strengths & Weaknesses
- Table 65. NGK Insulators Basic Information, Area Served and Competitors
- Table 66. NGK Insulators Major Business
- Table 67. NGK Insulators Semiconductor High Performance Ceramics Product and Services
- Table 68. NGK Insulators Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 69. NGK Insulators Recent Developments/Updates
- Table 70. NGK Insulators Competitive Strengths & Weaknesses
- Table 71. MiCo Ceramics Co., Ltd. Basic Information, Area Served and Competitors
- Table 72. MiCo Ceramics Co., Ltd. Major Business
- Table 73. MiCo Ceramics Co., Ltd. Semiconductor High Performance Ceramics Product

and Services

Table 74. MiCo Ceramics Co., Ltd. Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 75. MiCo Ceramics Co., Ltd. Recent Developments/Updates

Table 76. MiCo Ceramics Co., Ltd. Competitive Strengths & Weaknesses

Table 77. ASUZAC Fine Ceramics Basic Information, Area Served and Competitors

Table 78. ASUZAC Fine Ceramics Major Business

Table 79. ASUZAC Fine Ceramics Semiconductor High Performance Ceramics Product and Services

Table 80. ASUZAC Fine Ceramics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 81. ASUZAC Fine Ceramics Recent Developments/Updates

Table 82. ASUZAC Fine Ceramics Competitive Strengths & Weaknesses

Table 83. NGK Spark Plug (NTK Ceratec) Basic Information, Area Served and Competitors

Table 84. NGK Spark Plug (NTK Ceratec) Major Business

Table 85. NGK Spark Plug (NTK Ceratec) Semiconductor High Performance Ceramics Product and Services

Table 86. NGK Spark Plug (NTK Ceratec) Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 87. NGK Spark Plug (NTK Ceratec) Recent Developments/Updates

Table 88. NGK Spark Plug (NTK Ceratec) Competitive Strengths & Weaknesses

Table 89. 3M Basic Information, Area Served and Competitors

Table 90. 3M Major Business

Table 91. 3M Semiconductor High Performance Ceramics Product and Services

Table 92. 3M Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 93. 3M Recent Developments/Updates

Table 94. 3M Competitive Strengths & Weaknesses

Table 95. Japan Fine Ceramics Co., Ltd. (JFC) Basic Information, Area Served and Competitors

Table 96. Japan Fine Ceramics Co., Ltd. (JFC) Major Business

Table 97. Japan Fine Ceramics Co., Ltd. (JFC) Semiconductor High Performance Ceramics Product and Services

Table 98. Japan Fine Ceramics Co., Ltd. (JFC) Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 99. Japan Fine Ceramics Co., Ltd. (JFC) Recent Developments/Updates

Table 100. Japan Fine Ceramics Co., Ltd. (JFC) Competitive Strengths & Weaknesses

Table 101. Maruwa Basic Information, Area Served and Competitors

- Table 102. Maruwa Major Business
- Table 103. Maruwa Semiconductor High Performance Ceramics Product and Services
- Table 104. Maruwa Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 105. Maruwa Recent Developments/Updates
- Table 106. Maruwa Competitive Strengths & Weaknesses
- Table 107. Bullen Ultrasonics Basic Information, Area Served and Competitors
- Table 108. Bullen Ultrasonics Major Business
- Table 109. Bullen Ultrasonics Semiconductor High Performance Ceramics Product and Services
- Table 110. Bullen Ultrasonics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 111. Bullen Ultrasonics Recent Developments/Updates
- Table 112. Bullen Ultrasonics Competitive Strengths & Weaknesses
- Table 113. Saint-Gobain Basic Information, Area Served and Competitors
- Table 114. Saint-Gobain Major Business
- Table 115. Saint-Gobain Semiconductor High Performance Ceramics Product and Services
- Table 116. Saint-Gobain Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 117. Saint-Gobain Recent Developments/Updates
- Table 118. Saint-Gobain Competitive Strengths & Weaknesses
- Table 119. Schunk Xycarb Technology Basic Information, Area Served and Competitors
- Table 120. Schunk Xycarb Technology Major Business
- Table 121. Schunk Xycarb Technology Semiconductor High Performance Ceramics Product and Services
- Table 122. Schunk Xycarb Technology Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 123. Schunk Xycarb Technology Recent Developments/Updates
- Table 124. Schunk Xycarb Technology Competitive Strengths & Weaknesses
- Table 125. Superior Technical Ceramics (STC) Basic Information, Area Served and Competitors
- Table 126. Superior Technical Ceramics (STC) Major Business
- Table 127. Superior Technical Ceramics (STC) Semiconductor High Performance Ceramics Product and Services
- Table 128. Superior Technical Ceramics (STC) Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 129. Superior Technical Ceramics (STC) Recent Developments/Updates
- Table 130. Superior Technical Ceramics (STC) Competitive Strengths & Weaknesses

Table 131. Precision Ferrites & Ceramics (PFC) Basic Information, Area Served and Competitors

Table 132. Precision Ferrites & Ceramics (PFC) Major Business

Table 133. Precision Ferrites & Ceramics (PFC) Semiconductor High Performance Ceramics Product and Services

Table 134. Precision Ferrites & Ceramics (PFC) Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 135. Precision Ferrites & Ceramics (PFC) Recent Developments/Updates

Table 136. Precision Ferrites & Ceramics (PFC) Competitive Strengths & Weaknesses

Table 137. Nishimura Advanced Ceramics Basic Information, Area Served and Competitors

Table 138. Nishimura Advanced Ceramics Major Business

Table 139. Nishimura Advanced Ceramics Semiconductor High Performance Ceramics Product and Services

Table 140. Nishimura Advanced Ceramics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 141. Nishimura Advanced Ceramics Recent Developments/Updates

Table 142. Nishimura Advanced Ceramics Competitive Strengths & Weaknesses

Table 143. Ortech Ceramics Basic Information, Area Served and Competitors

Table 144. Ortech Ceramics Major Business

Table 145. Ortech Ceramics Semiconductor High Performance Ceramics Product and Services

Table 146. Ortech Ceramics Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 147. Ortech Ceramics Recent Developments/Updates

Table 148. Ortech Ceramics Competitive Strengths & Weaknesses

Table 149. St.Cera Co., Ltd Basic Information, Area Served and Competitors

Table 150. St.Cera Co., Ltd Major Business

Table 151. St.Cera Co., Ltd Semiconductor High Performance Ceramics Product and Services

Table 152. St.Cera Co., Ltd Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

Table 153. St.Cera Co., Ltd Recent Developments/Updates

Table 154. St.Cera Co., Ltd Competitive Strengths & Weaknesses

Table 155. Fountyl Basic Information, Area Served and Competitors

Table 156. Fountyl Major Business

Table 157. Fountyl Semiconductor High Performance Ceramics Product and Services

Table 158. Fountyl Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)

- Table 159. Fountyl Recent Developments/Updates
- Table 160. Fountyl Competitive Strengths & Weaknesses
- Table 161. CeramTec Basic Information, Area Served and Competitors
- Table 162. CeramTec Major Business
- Table 163. CeramTec Semiconductor High Performance Ceramics Product and Services
- Table 164. CeramTec Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 165. CeramTec Recent Developments/Updates
- Table 166. CeramTec Competitive Strengths & Weaknesses
- Table 167. Suzhou KemaTek, Inc. Basic Information, Area Served and Competitors
- Table 168. Suzhou KemaTek, Inc. Major Business
- Table 169. Suzhou KemaTek, Inc. Semiconductor High Performance Ceramics Product and Services
- Table 170. Suzhou KemaTek, Inc. Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 171. Suzhou KemaTek, Inc. Recent Developments/Updates
- Table 172. Suzhou KemaTek, Inc. Competitive Strengths & Weaknesses
- Table 173. Shanghai Companion Basic Information, Area Served and Competitors
- Table 174. Shanghai Companion Major Business
- Table 175. Shanghai Companion Semiconductor High Performance Ceramics Product and Services
- Table 176. Shanghai Companion Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 177. Shanghai Companion Recent Developments/Updates
- Table 178. Sanzer (Shanghai) New Materials Technology Basic Information, Area Served and Competitors
- Table 179. Sanzer (Shanghai) New Materials Technology Major Business
- Table 180. Sanzer (Shanghai) New Materials Technology Semiconductor High Performance Ceramics Product and Services
- Table 181. Sanzer (Shanghai) New Materials Technology Semiconductor High Performance Ceramics Revenue, Gross Margin and Market Share (2018-2023) & (USD Million)
- Table 182. Global Key Players of Semiconductor High Performance Ceramics Upstream (Raw Materials)
- Table 183. Semiconductor High Performance Ceramics Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Semiconductor High Performance Ceramics Picture

Figure 2. World Semiconductor High Performance Ceramics Total Market Size: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Semiconductor High Performance Ceramics Total Market Size (2018-2029) & (USD Million)

Figure 4. World Semiconductor High Performance Ceramics Revenue Market Share by Region (2018, 2022 and 2029) & (USD Million) , (by Headquarter Location)

Figure 5. World Semiconductor High Performance Ceramics Revenue Market Share by Region (2018-2029), (by Headquarter Location)

Figure 6. United States Based Company Semiconductor High Performance Ceramics Revenue (2018-2029) & (USD Million)

Figure 7. China Based Company Semiconductor High Performance Ceramics Revenue (2018-2029) & (USD Million)

Figure 8. Europe Based Company Semiconductor High Performance Ceramics Revenue (2018-2029) & (USD Million)

Figure 9. Japan Based Company Semiconductor High Performance Ceramics Revenue (2018-2029) & (USD Million)

Figure 10. South Korea Based Company Semiconductor High Performance Ceramics Revenue (2018-2029) & (USD Million)

Figure 11. ASEAN Based Company Semiconductor High Performance Ceramics Revenue (2018-2029) & (USD Million)

Figure 12. India Based Company Semiconductor High Performance Ceramics Revenue (2018-2029) & (USD Million)

Figure 13. Semiconductor High Performance Ceramics Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Semiconductor High Performance Ceramics Consumption Value (2018-2029) & (USD Million)

Figure 16. World Semiconductor High Performance Ceramics Consumption Value Market Share by Region (2018-2029)

Figure 17. United States Semiconductor High Performance Ceramics Consumption Value (2018-2029) & (USD Million)

Figure 18. China Semiconductor High Performance Ceramics Consumption Value (2018-2029) & (USD Million)

Figure 19. Europe Semiconductor High Performance Ceramics Consumption Value (2018-2029) & (USD Million)

Figure 20. Japan Semiconductor High Performance Ceramics Consumption Value (2018-2029) & (USD Million)

Figure 21. South Korea Semiconductor High Performance Ceramics Consumption Value (2018-2029) & (USD Million)

Figure 22. ASEAN Semiconductor High Performance Ceramics Consumption Value (2018-2029) & (USD Million)

Figure 23. India Semiconductor High Performance Ceramics Consumption Value (2018-2029) & (USD Million)

Figure 24. Producer Shipments of Semiconductor High Performance Ceramics by Player Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Semiconductor High Performance Ceramics Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Semiconductor High Performance Ceramics Markets in 2022

Figure 27. United States VS China: Semiconductor High Performance Ceramics Revenue Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Semiconductor High Performance Ceramics Consumption Value Market Share Comparison (2018 & 2022 & 2029)

Figure 29. World Semiconductor High Performance Ceramics Market Size By Ceramics Type, (USD Million), 2018 & 2022 & 2029

Figure 30. World Semiconductor High Performance Ceramics Market Size Market Share By Ceramics Type in 2022

Figure 31. Aluminas (Al₂O₃)

Figure 32. Aluminum Nitride (AlN)

Figure 33. Silicon Carbide (SiC)

Figure 34. Silicon Nitride (Si₃N₄)

Figure 35. Others

Figure 36. World Semiconductor High Performance Ceramics Market Size Market Share By Ceramics Type (2018-2029)

Figure 37. World Semiconductor High Performance Ceramics Market Size By Wafer Size, (USD Million), 2018 & 2022 & 2029

Figure 38. World Semiconductor High Performance Ceramics Market Size Market Share By Wafer Size in 2022

Figure 39. 300 mm Wafer

Figure 40. 200 mm Wafer

Figure 41. Others

Figure 42. Semiconductor High Performance Ceramics Industrial Chain

Figure 43. Methodology

Figure 44. Research Process and Data Source

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