

Global Synthetic Diamond Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GA9D4011AC45EN.html>

Date: August 2023

Pages: 110

Price: US\$ 4,480.00 (Single User License)

ID: GA9D4011AC45EN

Abstracts

The global Synthetic Diamond market size is expected to reach \$ 2973.8 million by 2029, rising at a market growth of 6.6% CAGR during the forecast period (2023-2029).

Global key players of synthetic diamond include Element Six, Zhongnan Diamond, Huanghe Whirlwind, Diamond Foundry, Sino-Crystal Diamond, etc., mainly located in North America, Europe, China, Southeast Asia, Japan, and South Korea. The top five manufacturers occupy more than 70% of the market share, with the largest producer being Element Six, accounting for 26%. North America is the largest market with about 47% market share, followed by Asia Pacific with 36%. In terms of product type, HPHT synthetic diamond is the largest segment with a share of about 59%. Also in terms of downstream, diamond is the largest downstream segment with a 35% share.

Synthetic diamond is usually produced by subjecting graphite to very high temperatures and pressures. Synthetic diamond resembles natural diamond in most fundamental properties, retaining the extreme hardness, broad transparency (when pure), high thermal conductivity, and high electrical resistivity for which diamond is highly prized. Because synthesis is an expensive process, large stones of gem quality are rarely made. Instead, most synthetic diamond is produced as grit or small crystals that are used to provide hard coatings for industrial equipment such as grinding wheels, machine tools, wire-drawing dies, quarrying saws, and mining drills. In addition, diamond films can be grown on various materials by subjecting carbon-containing gas to extreme heat, and those layers can be used in cutting tools, windows for optical devices, or substrates for semiconductors.

This report studies the global Synthetic Diamond production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Synthetic Diamond, 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 Synthetic Diamond that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Synthetic Diamond total production and demand, 2018-2029, (Million Carats)

Global Synthetic Diamond total production value, 2018-2029, (USD Million)

Global Synthetic Diamond production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Million Carats)

Global Synthetic Diamond consumption by region & country, CAGR, 2018-2029 & (Million Carats)

U.S. VS China: Synthetic Diamond domestic production, consumption, key domestic manufacturers and share

Global Synthetic Diamond production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Million Carats)

Global Synthetic Diamond production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Million Carats)

Global Synthetic Diamond production by Application production, value, CAGR, 2018-2029, (USD Million) & (Million Carats).

This reports profiles key players in the global Synthetic Diamond market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Element Six, Zhongnan Diamond, Huanghe Whirlwind, Diamond Foundry, Sino-Crystal Diamond, Ningbo Crysdiem Technology, Ila Technologies, Henan Liliang Diamond and ILJIN Diamond, 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 Synthetic Diamond market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Carats) and average price (US\$/K Carats) by manufacturer, by Type, and by Application. 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 Synthetic Diamond Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Synthetic Diamond Market, Segmentation by Type

HPHT

CVD

Global Synthetic Diamond Market, Segmentation by Application

Construction Material

Machining and Cutting Tools

Diamond

Others

Companies Profiled:

Element Six

Zhongnan Diamond

Huanghe Whirlwind

Diamond Foundry

Sino-Crystal Diamond

Ningbo Crysdiam Technology

Ila Technologies

Henan Liliang Diamond

ILJIN Diamond

Sumitomo Electric Industries

Shanghai Zhengshi Technology

CR GEMS

Anhui Hongjing New Materials

Henan Yalong Superhard Materials

Key Questions Answered

1. How big is the global Synthetic Diamond market?
2. What is the demand of the global Synthetic Diamond market?
3. What is the year over year growth of the global Synthetic Diamond market?
4. What is the production and production value of the global Synthetic Diamond market?
5. Who are the key producers in the global Synthetic Diamond market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Synthetic Diamond Introduction
- 1.2 World Synthetic Diamond Supply & Forecast
 - 1.2.1 World Synthetic Diamond Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Synthetic Diamond Production (2018-2029)
 - 1.2.3 World Synthetic Diamond Pricing Trends (2018-2029)
- 1.3 World Synthetic Diamond Production by Region (Based on Production Site)
 - 1.3.1 World Synthetic Diamond Production Value by Region (2018-2029)
 - 1.3.2 World Synthetic Diamond Production by Region (2018-2029)
 - 1.3.3 World Synthetic Diamond Average Price by Region (2018-2029)
 - 1.3.4 North America Synthetic Diamond Production (2018-2029)
 - 1.3.5 Europe Synthetic Diamond Production (2018-2029)
 - 1.3.6 China Synthetic Diamond Production (2018-2029)
 - 1.3.7 Japan Synthetic Diamond Production (2018-2029)
 - 1.3.8 Southeast Asia Synthetic Diamond Production (2018-2029)
 - 1.3.9 Korea Synthetic Diamond Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Synthetic Diamond Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Synthetic Diamond 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 Synthetic Diamond Demand (2018-2029)
- 2.2 World Synthetic Diamond Consumption by Region
 - 2.2.1 World Synthetic Diamond Consumption by Region (2018-2023)
 - 2.2.2 World Synthetic Diamond Consumption Forecast by Region (2024-2029)
- 2.3 United States Synthetic Diamond Consumption (2018-2029)
- 2.4 China Synthetic Diamond Consumption (2018-2029)
- 2.5 Europe Synthetic Diamond Consumption (2018-2029)
- 2.6 Japan Synthetic Diamond Consumption (2018-2029)
- 2.7 South Korea Synthetic Diamond Consumption (2018-2029)
- 2.8 ASEAN Synthetic Diamond Consumption (2018-2029)

2.9 India Synthetic Diamond Consumption (2018-2029)

3 WORLD SYNTHETIC DIAMOND MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Synthetic Diamond Production Value by Manufacturer (2018-2023)

3.2 World Synthetic Diamond Production by Manufacturer (2018-2023)

3.3 World Synthetic Diamond Average Price by Manufacturer (2018-2023)

3.4 Synthetic Diamond Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Synthetic Diamond Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Synthetic Diamond in 2022

3.5.3 Global Concentration Ratios (CR8) for Synthetic Diamond in 2022

3.6 Synthetic Diamond Market: Overall Company Footprint Analysis

3.6.1 Synthetic Diamond Market: Region Footprint

3.6.2 Synthetic Diamond Market: Company Product Type Footprint

3.6.3 Synthetic Diamond Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Synthetic Diamond Production Value Comparison

4.1.1 United States VS China: Synthetic Diamond Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Synthetic Diamond Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Synthetic Diamond Production Comparison

4.2.1 United States VS China: Synthetic Diamond Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Synthetic Diamond Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Synthetic Diamond Consumption Comparison

4.3.1 United States VS China: Synthetic Diamond Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Synthetic Diamond Consumption Market Share

Comparison (2018 & 2022 & 2029)

4.4 United States Based Synthetic Diamond Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Synthetic Diamond Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Synthetic Diamond Production Value (2018-2023)

4.4.3 United States Based Manufacturers Synthetic Diamond Production (2018-2023)

4.5 China Based Synthetic Diamond Manufacturers and Market Share

4.5.1 China Based Synthetic Diamond Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Synthetic Diamond Production Value (2018-2023)

4.5.3 China Based Manufacturers Synthetic Diamond Production (2018-2023)

4.6 Rest of World Based Synthetic Diamond Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Synthetic Diamond Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Synthetic Diamond Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Synthetic Diamond Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Synthetic Diamond Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 HPHT

5.2.2 CVD

5.3 Market Segment by Type

5.3.1 World Synthetic Diamond Production by Type (2018-2029)

5.3.2 World Synthetic Diamond Production Value by Type (2018-2029)

5.3.3 World Synthetic Diamond Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Synthetic Diamond Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Construction Material

6.2.2 Machining and Cutting Tools

6.2.3 Diamond

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World Synthetic Diamond Production by Application (2018-2029)

6.3.2 World Synthetic Diamond Production Value by Application (2018-2029)

6.3.3 World Synthetic Diamond Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Element Six

7.1.1 Element Six Details

7.1.2 Element Six Major Business

7.1.3 Element Six Synthetic Diamond Product and Services

7.1.4 Element Six Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Element Six Recent Developments/Updates

7.1.6 Element Six Competitive Strengths & Weaknesses

7.2 Zhongnan Diamond

7.2.1 Zhongnan Diamond Details

7.2.2 Zhongnan Diamond Major Business

7.2.3 Zhongnan Diamond Synthetic Diamond Product and Services

7.2.4 Zhongnan Diamond Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Zhongnan Diamond Recent Developments/Updates

7.2.6 Zhongnan Diamond Competitive Strengths & Weaknesses

7.3 Huanghe Whirlwind

7.3.1 Huanghe Whirlwind Details

7.3.2 Huanghe Whirlwind Major Business

7.3.3 Huanghe Whirlwind Synthetic Diamond Product and Services

7.3.4 Huanghe Whirlwind Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Huanghe Whirlwind Recent Developments/Updates

7.3.6 Huanghe Whirlwind Competitive Strengths & Weaknesses

7.4 Diamond Foundry

7.4.1 Diamond Foundry Details

7.4.2 Diamond Foundry Major Business

7.4.3 Diamond Foundry Synthetic Diamond Product and Services

7.4.4 Diamond Foundry Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.4.5 Diamond Foundry Recent Developments/Updates
- 7.4.6 Diamond Foundry Competitive Strengths & Weaknesses
- 7.5 Sino-Crystal Diamond
 - 7.5.1 Sino-Crystal Diamond Details
 - 7.5.2 Sino-Crystal Diamond Major Business
 - 7.5.3 Sino-Crystal Diamond Synthetic Diamond Product and Services
 - 7.5.4 Sino-Crystal Diamond Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 Sino-Crystal Diamond Recent Developments/Updates
 - 7.5.6 Sino-Crystal Diamond Competitive Strengths & Weaknesses
- 7.6 Ningbo Crysdiam Technology
 - 7.6.1 Ningbo Crysdiam Technology Details
 - 7.6.2 Ningbo Crysdiam Technology Major Business
 - 7.6.3 Ningbo Crysdiam Technology Synthetic Diamond Product and Services
 - 7.6.4 Ningbo Crysdiam Technology Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Ningbo Crysdiam Technology Recent Developments/Updates
 - 7.6.6 Ningbo Crysdiam Technology Competitive Strengths & Weaknesses
- 7.7 Ila Technologies
 - 7.7.1 Ila Technologies Details
 - 7.7.2 Ila Technologies Major Business
 - 7.7.3 Ila Technologies Synthetic Diamond Product and Services
 - 7.7.4 Ila Technologies Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 Ila Technologies Recent Developments/Updates
 - 7.7.6 Ila Technologies Competitive Strengths & Weaknesses
- 7.8 Henan Liliang Diamond
 - 7.8.1 Henan Liliang Diamond Details
 - 7.8.2 Henan Liliang Diamond Major Business
 - 7.8.3 Henan Liliang Diamond Synthetic Diamond Product and Services
 - 7.8.4 Henan Liliang Diamond Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 Henan Liliang Diamond Recent Developments/Updates
 - 7.8.6 Henan Liliang Diamond Competitive Strengths & Weaknesses
- 7.9 ILJIN Diamond
 - 7.9.1 ILJIN Diamond Details
 - 7.9.2 ILJIN Diamond Major Business
 - 7.9.3 ILJIN Diamond Synthetic Diamond Product and Services
 - 7.9.4 ILJIN Diamond Synthetic Diamond Production, Price, Value, Gross Margin and

Market Share (2018-2023)

7.9.5 ILJIN Diamond Recent Developments/Updates

7.9.6 ILJIN Diamond Competitive Strengths & Weaknesses

7.10 Sumitomo Electric Industries

7.10.1 Sumitomo Electric Industries Details

7.10.2 Sumitomo Electric Industries Major Business

7.10.3 Sumitomo Electric Industries Synthetic Diamond Product and Services

7.10.4 Sumitomo Electric Industries Synthetic Diamond Production, Price, Value,

Gross Margin and Market Share (2018-2023)

7.10.5 Sumitomo Electric Industries Recent Developments/Updates

7.10.6 Sumitomo Electric Industries Competitive Strengths & Weaknesses

7.11 Shanghai Zhengshi Technology

7.11.1 Shanghai Zhengshi Technology Details

7.11.2 Shanghai Zhengshi Technology Major Business

7.11.3 Shanghai Zhengshi Technology Synthetic Diamond Product and Services

7.11.4 Shanghai Zhengshi Technology Synthetic Diamond Production, Price, Value,

Gross Margin and Market Share (2018-2023)

7.11.5 Shanghai Zhengshi Technology Recent Developments/Updates

7.11.6 Shanghai Zhengshi Technology Competitive Strengths & Weaknesses

7.12 CR GEMS

7.12.1 CR GEMS Details

7.12.2 CR GEMS Major Business

7.12.3 CR GEMS Synthetic Diamond Product and Services

7.12.4 CR GEMS Synthetic Diamond Production, Price, Value, Gross Margin and

Market Share (2018-2023)

7.12.5 CR GEMS Recent Developments/Updates

7.12.6 CR GEMS Competitive Strengths & Weaknesses

7.13 Anhui Hongjing New Materials

7.13.1 Anhui Hongjing New Materials Details

7.13.2 Anhui Hongjing New Materials Major Business

7.13.3 Anhui Hongjing New Materials Synthetic Diamond Product and Services

7.13.4 Anhui Hongjing New Materials Synthetic Diamond Production, Price, Value,

Gross Margin and Market Share (2018-2023)

7.13.5 Anhui Hongjing New Materials Recent Developments/Updates

7.13.6 Anhui Hongjing New Materials Competitive Strengths & Weaknesses

7.14 Henan Yalong Superhard Materials

7.14.1 Henan Yalong Superhard Materials Details

7.14.2 Henan Yalong Superhard Materials Major Business

7.14.3 Henan Yalong Superhard Materials Synthetic Diamond Product and Services

- 7.14.4 Henan Yalong Superhard Materials Synthetic Diamond Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.14.5 Henan Yalong Superhard Materials Recent Developments/Updates
- 7.14.6 Henan Yalong Superhard Materials Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Synthetic Diamond Industry Chain
- 8.2 Synthetic Diamond Upstream Analysis
 - 8.2.1 Synthetic Diamond Core Raw Materials
 - 8.2.2 Main Manufacturers of Synthetic Diamond Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Synthetic Diamond Production Mode
- 8.6 Synthetic Diamond Procurement Model
- 8.7 Synthetic Diamond Industry Sales Model and Sales Channels
 - 8.7.1 Synthetic Diamond Sales Model
 - 8.7.2 Synthetic Diamond Typical Customers

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 Synthetic Diamond Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Synthetic Diamond Production Value by Region (2018-2023) & (USD Million)

Table 3. World Synthetic Diamond Production Value by Region (2024-2029) & (USD Million)

Table 4. World Synthetic Diamond Production Value Market Share by Region (2018-2023)

Table 5. World Synthetic Diamond Production Value Market Share by Region (2024-2029)

Table 6. World Synthetic Diamond Production by Region (2018-2023) & (Million Carats)

Table 7. World Synthetic Diamond Production by Region (2024-2029) & (Million Carats)

Table 8. World Synthetic Diamond Production Market Share by Region (2018-2023)

Table 9. World Synthetic Diamond Production Market Share by Region (2024-2029)

Table 10. World Synthetic Diamond Average Price by Region (2018-2023) & (US\$/K Carats)

Table 11. World Synthetic Diamond Average Price by Region (2024-2029) & (US\$/K Carats)

Table 12. Synthetic Diamond Major Market Trends

Table 13. World Synthetic Diamond Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Million Carats)

Table 14. World Synthetic Diamond Consumption by Region (2018-2023) & (Million Carats)

Table 15. World Synthetic Diamond Consumption Forecast by Region (2024-2029) & (Million Carats)

Table 16. World Synthetic Diamond Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Synthetic Diamond Producers in 2022

Table 18. World Synthetic Diamond Production by Manufacturer (2018-2023) & (Million Carats)

Table 19. Production Market Share of Key Synthetic Diamond Producers in 2022

Table 20. World Synthetic Diamond Average Price by Manufacturer (2018-2023) & (US\$/K Carats)

Table 21. Global Synthetic Diamond Company Evaluation Quadrant

Table 22. World Synthetic Diamond Industry Rank of Major Manufacturers, Based on

Production Value in 2022

Table 23. Head Office and Synthetic Diamond Production Site of Key Manufacturer

Table 24. Synthetic Diamond Market: Company Product Type Footprint

Table 25. Synthetic Diamond Market: Company Product Application Footprint

Table 26. Synthetic Diamond Competitive Factors

Table 27. Synthetic Diamond New Entrant and Capacity Expansion Plans

Table 28. Synthetic Diamond Mergers & Acquisitions Activity

Table 29. United States VS China Synthetic Diamond Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Synthetic Diamond Production Comparison, (2018 & 2022 & 2029) & (Million Carats)

Table 31. United States VS China Synthetic Diamond Consumption Comparison, (2018 & 2022 & 2029) & (Million Carats)

Table 32. United States Based Synthetic Diamond Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Synthetic Diamond Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Synthetic Diamond Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Synthetic Diamond Production (2018-2023) & (Million Carats)

Table 36. United States Based Manufacturers Synthetic Diamond Production Market Share (2018-2023)

Table 37. China Based Synthetic Diamond Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Synthetic Diamond Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Synthetic Diamond Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Synthetic Diamond Production (2018-2023) & (Million Carats)

Table 41. China Based Manufacturers Synthetic Diamond Production Market Share (2018-2023)

Table 42. Rest of World Based Synthetic Diamond Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Synthetic Diamond Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Synthetic Diamond Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Synthetic Diamond Production (2018-2023) & (Million Carats)

Table 46. Rest of World Based Manufacturers Synthetic Diamond Production Market Share (2018-2023)

Table 47. World Synthetic Diamond Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Synthetic Diamond Production by Type (2018-2023) & (Million Carats)

Table 49. World Synthetic Diamond Production by Type (2024-2029) & (Million Carats)

Table 50. World Synthetic Diamond Production Value by Type (2018-2023) & (USD Million)

Table 51. World Synthetic Diamond Production Value by Type (2024-2029) & (USD Million)

Table 52. World Synthetic Diamond Average Price by Type (2018-2023) & (US\$/K Carats)

Table 53. World Synthetic Diamond Average Price by Type (2024-2029) & (US\$/K Carats)

Table 54. World Synthetic Diamond Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Synthetic Diamond Production by Application (2018-2023) & (Million Carats)

Table 56. World Synthetic Diamond Production by Application (2024-2029) & (Million Carats)

Table 57. World Synthetic Diamond Production Value by Application (2018-2023) & (USD Million)

Table 58. World Synthetic Diamond Production Value by Application (2024-2029) & (USD Million)

Table 59. World Synthetic Diamond Average Price by Application (2018-2023) & (US\$/K Carats)

Table 60. World Synthetic Diamond Average Price by Application (2024-2029) & (US\$/K Carats)

Table 61. Element Six Basic Information, Manufacturing Base and Competitors

Table 62. Element Six Major Business

Table 63. Element Six Synthetic Diamond Product and Services

Table 64. Element Six Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Element Six Recent Developments/Updates

Table 66. Element Six Competitive Strengths & Weaknesses

Table 67. Zhongnan Diamond Basic Information, Manufacturing Base and Competitors

Table 68. Zhongnan Diamond Major Business

Table 69. Zhongnan Diamond Synthetic Diamond Product and Services

Table 70. Zhongnan Diamond Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Zhongnan Diamond Recent Developments/Updates

Table 72. Zhongnan Diamond Competitive Strengths & Weaknesses

Table 73. Huanghe Whirlwind Basic Information, Manufacturing Base and Competitors

Table 74. Huanghe Whirlwind Major Business

Table 75. Huanghe Whirlwind Synthetic Diamond Product and Services

Table 76. Huanghe Whirlwind Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Huanghe Whirlwind Recent Developments/Updates

Table 78. Huanghe Whirlwind Competitive Strengths & Weaknesses

Table 79. Diamond Foundry Basic Information, Manufacturing Base and Competitors

Table 80. Diamond Foundry Major Business

Table 81. Diamond Foundry Synthetic Diamond Product and Services

Table 82. Diamond Foundry Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Diamond Foundry Recent Developments/Updates

Table 84. Diamond Foundry Competitive Strengths & Weaknesses

Table 85. Sino-Crystal Diamond Basic Information, Manufacturing Base and Competitors

Table 86. Sino-Crystal Diamond Major Business

Table 87. Sino-Crystal Diamond Synthetic Diamond Product and Services

Table 88. Sino-Crystal Diamond Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Sino-Crystal Diamond Recent Developments/Updates

Table 90. Sino-Crystal Diamond Competitive Strengths & Weaknesses

Table 91. Ningbo Crysdiam Technology Basic Information, Manufacturing Base and Competitors

Table 92. Ningbo Crysdiam Technology Major Business

Table 93. Ningbo Crysdiam Technology Synthetic Diamond Product and Services

Table 94. Ningbo Crysdiam Technology Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Ningbo Crysdiam Technology Recent Developments/Updates

Table 96. Ningbo Crysdiem Technology Competitive Strengths & Weaknesses
Table 97. Ila Technologies Basic Information, Manufacturing Base and Competitors
Table 98. Ila Technologies Major Business
Table 99. Ila Technologies Synthetic Diamond Product and Services
Table 100. Ila Technologies Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 101. Ila Technologies Recent Developments/Updates
Table 102. Ila Technologies Competitive Strengths & Weaknesses
Table 103. Henan Liliang Diamond Basic Information, Manufacturing Base and Competitors
Table 104. Henan Liliang Diamond Major Business
Table 105. Henan Liliang Diamond Synthetic Diamond Product and Services
Table 106. Henan Liliang Diamond Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 107. Henan Liliang Diamond Recent Developments/Updates
Table 108. Henan Liliang Diamond Competitive Strengths & Weaknesses
Table 109. ILJIN Diamond Basic Information, Manufacturing Base and Competitors
Table 110. ILJIN Diamond Major Business
Table 111. ILJIN Diamond Synthetic Diamond Product and Services
Table 112. ILJIN Diamond Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 113. ILJIN Diamond Recent Developments/Updates
Table 114. ILJIN Diamond Competitive Strengths & Weaknesses
Table 115. Sumitomo Electric Industries Basic Information, Manufacturing Base and Competitors
Table 116. Sumitomo Electric Industries Major Business
Table 117. Sumitomo Electric Industries Synthetic Diamond Product and Services
Table 118. Sumitomo Electric Industries Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 119. Sumitomo Electric Industries Recent Developments/Updates
Table 120. Sumitomo Electric Industries Competitive Strengths & Weaknesses
Table 121. Shanghai Zhengshi Technology Basic Information, Manufacturing Base and Competitors
Table 122. Shanghai Zhengshi Technology Major Business
Table 123. Shanghai Zhengshi Technology Synthetic Diamond Product and Services
Table 124. Shanghai Zhengshi Technology Synthetic Diamond Production (Million

Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Shanghai Zhengshi Technology Recent Developments/Updates

Table 126. Shanghai Zhengshi Technology Competitive Strengths & Weaknesses

Table 127. CR GEMS Basic Information, Manufacturing Base and Competitors

Table 128. CR GEMS Major Business

Table 129. CR GEMS Synthetic Diamond Product and Services

Table 130. CR GEMS Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. CR GEMS Recent Developments/Updates

Table 132. CR GEMS Competitive Strengths & Weaknesses

Table 133. Anhui Hongjing New Materials Basic Information, Manufacturing Base and Competitors

Table 134. Anhui Hongjing New Materials Major Business

Table 135. Anhui Hongjing New Materials Synthetic Diamond Product and Services

Table 136. Anhui Hongjing New Materials Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. Anhui Hongjing New Materials Recent Developments/Updates

Table 138. Henan Yalong Superhard Materials Basic Information, Manufacturing Base and Competitors

Table 139. Henan Yalong Superhard Materials Major Business

Table 140. Henan Yalong Superhard Materials Synthetic Diamond Product and Services

Table 141. Henan Yalong Superhard Materials Synthetic Diamond Production (Million Carats), Price (US\$/K Carats), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 142. Global Key Players of Synthetic Diamond Upstream (Raw Materials)

Table 143. Synthetic Diamond Typical Customers

Table 144. Synthetic Diamond Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Synthetic Diamond Picture

Figure 2. World Synthetic Diamond Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Synthetic Diamond Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Synthetic Diamond Production (2018-2029) & (Million Carats)

Figure 5. World Synthetic Diamond Average Price (2018-2029) & (US\$/K Carats)

Figure 6. World Synthetic Diamond Production Value Market Share by Region (2018-2029)

Figure 7. World Synthetic Diamond Production Market Share by Region (2018-2029)

Figure 8. North America Synthetic Diamond Production (2018-2029) & (Million Carats)

Figure 9. Europe Synthetic Diamond Production (2018-2029) & (Million Carats)

Figure 10. China Synthetic Diamond Production (2018-2029) & (Million Carats)

Figure 11. Japan Synthetic Diamond Production (2018-2029) & (Million Carats)

Figure 12. Southeast Asia Synthetic Diamond Production (2018-2029) & (Million Carats)

Figure 13. Korea Synthetic Diamond Production (2018-2029) & (Million Carats)

Figure 14. Synthetic Diamond Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Synthetic Diamond Consumption (2018-2029) & (Million Carats)

Figure 17. World Synthetic Diamond Consumption Market Share by Region (2018-2029)

Figure 18. United States Synthetic Diamond Consumption (2018-2029) & (Million Carats)

Figure 19. China Synthetic Diamond Consumption (2018-2029) & (Million Carats)

Figure 20. Europe Synthetic Diamond Consumption (2018-2029) & (Million Carats)

Figure 21. Japan Synthetic Diamond Consumption (2018-2029) & (Million Carats)

Figure 22. South Korea Synthetic Diamond Consumption (2018-2029) & (Million Carats)

Figure 23. ASEAN Synthetic Diamond Consumption (2018-2029) & (Million Carats)

Figure 24. India Synthetic Diamond Consumption (2018-2029) & (Million Carats)

Figure 25. Producer Shipments of Synthetic Diamond by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 26. Global Four-firm Concentration Ratios (CR4) for Synthetic Diamond Markets in 2022

Figure 27. Global Four-firm Concentration Ratios (CR8) for Synthetic Diamond Markets in 2022

Figure 28. United States VS China: Synthetic Diamond Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Synthetic Diamond Production Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States VS China: Synthetic Diamond Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 31. United States Based Manufacturers Synthetic Diamond Production Market Share 2022

Figure 32. China Based Manufacturers Synthetic Diamond Production Market Share 2022

Figure 33. Rest of World Based Manufacturers Synthetic Diamond Production Market Share 2022

Figure 34. World Synthetic Diamond Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 35. World Synthetic Diamond Production Value Market Share by Type in 2022

Figure 36. HPHT

Figure 37. CVD

Figure 38. World Synthetic Diamond Production Market Share by Type (2018-2029)

Figure 39. World Synthetic Diamond Production Value Market Share by Type (2018-2029)

Figure 40. World Synthetic Diamond Average Price by Type (2018-2029) & (US\$/K Carats)

Figure 41. World Synthetic Diamond Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World Synthetic Diamond Production Value Market Share by Application in 2022

Figure 43. Construction Material

Figure 44. Machining and Cutting Tools

Figure 45. Diamond

Figure 46. Others

Figure 47. World Synthetic Diamond Production Market Share by Application (2018-2029)

Figure 48. World Synthetic Diamond Production Value Market Share by Application (2018-2029)

Figure 49. World Synthetic Diamond Average Price by Application (2018-2029) & (US\$/K Carats)

Figure 50. Synthetic Diamond Industry Chain

Figure 51. Synthetic Diamond Procurement Model

Figure 52. Synthetic Diamond Sales Model

Figure 53. Synthetic Diamond Sales Channels, Direct Sales, and Distribution

Figure 54. Methodology

Figure 55. Research Process and Data Source

I would like to order

Product name: Global Synthetic Diamond Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/GA9D4011AC45EN.html>

Price: US\$ 4,480.00 (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/GA9D4011AC45EN.html>