

Global Sawn Grade Diamond Single Crystal Supply, Demand and Key Producers, 2023-2029

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Abstracts

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

The prospect for sawn grade diamond single crystal is expected to be promising. The demand for high-quality diamond materials in the cutting and sawing industry is growing across sectors such as construction, semiconductor, and optical manufacturing. Sawn grade diamond single crystal offers controlled and uniform grain size distribution, ensuring precise and efficient cutting performance. Its concentration of larger grain sizes in specific mesh ranges allows for customization based on application requirements. The regular crystal shape, sharp edges, and high mechanical strength further enhance its cutting capabilities. However, the market for diamond materials is highly competitive, and the availability of alternative cutting technologies may impact market dynamics. Nonetheless, the increasing demand for high-precision cutting solutions indicates a positive market outlook for sawn grade diamond single crystal.

Sawn grade diamond single crystal refers to a high-quality diamond material that is precisely sliced or sawn from a larger diamond crystal. This process ensures a controlled and uniform grain size distribution, making it suitable for applications that require specific sizes and shapes of diamond abrasives. The grain size range is concentrated in 60/70 mesh for coarse, 20/25 for fine; Regular crystal shape, sharp edge, high mechanical strength. It is mainly used for sawing and cutting tools such as saw blades, rope saws and knives. It is mostly used for sawing and cutting of marble, granite, concrete building materials, semiconductor silicon wafers, optical glass, ceramics and other non-metallic hard and brittle materials.

This report studies the global Sawn Grade Diamond Single Crystal production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Sawn Grade Diamond Single Crystal total production and demand, 2018-2029, (Kg)

Global Sawn Grade Diamond Single Crystal total production value, 2018-2029, (USD Million)

Global Sawn Grade Diamond Single Crystal production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Kg)

Global Sawn Grade Diamond Single Crystal consumption by region & country, CAGR, 2018-2029 & (Kg)

U.S. VS China: Sawn Grade Diamond Single Crystal domestic production, consumption, key domestic manufacturers and share

Global Sawn Grade Diamond Single Crystal production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Kg)

Global Sawn Grade Diamond Single Crystal production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Kg)

Global Sawn Grade Diamond Single Crystal production by Application production, value, CAGR, 2018-2029, (USD Million) & (Kg).

This reports profiles key players in the global Sawn Grade Diamond Single Crystal 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, ILJIN, Sumitomo

Electric, Henan Province Liliang Diamond, Zhongnan Diamond, Henan Huanghe Whirlwind and Zhengzhou Sino-Crystal 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 Sawn Grade Diamond Single Crystal market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kg) and average price (US\$/Kg) 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 Sawn Grade Diamond Single Crystal Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Sawn Grade Diamond Single Crystal Market, Segmentation by Type

Natural Diamond Single Crystal

Artificial Diamond Single Crystal

Global Sawn Grade Diamond Single Crystal Market, Segmentation by Application

Glass

Ceramic

Semiconductor

Others

Companies Profiled:

Element Six

ILJIN

Sumitomo Electric

Henan Province Liliang Diamond

Zhongnan Diamond

Henan Huanghe Whirlwind

Zhengzhou Sino-Crystal Diamond

Key Questions Answered

1. How big is the global Sawn Grade Diamond Single Crystal market?
2. What is the demand of the global Sawn Grade Diamond Single Crystal market?
3. What is the year over year growth of the global Sawn Grade Diamond Single Crystal

market?

4. What is the production and production value of the global Sawn Grade Diamond Single Crystal market?

5. Who are the key producers in the global Sawn Grade Diamond Single Crystal market?

Contents

1 SUPPLY SUMMARY

- 1.1 Sawn Grade Diamond Single Crystal Introduction
- 1.2 World Sawn Grade Diamond Single Crystal Supply & Forecast
 - 1.2.1 World Sawn Grade Diamond Single Crystal Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Sawn Grade Diamond Single Crystal Production (2018-2029)
 - 1.2.3 World Sawn Grade Diamond Single Crystal Pricing Trends (2018-2029)
- 1.3 World Sawn Grade Diamond Single Crystal Production by Region (Based on Production Site)
 - 1.3.1 World Sawn Grade Diamond Single Crystal Production Value by Region (2018-2029)
 - 1.3.2 World Sawn Grade Diamond Single Crystal Production by Region (2018-2029)
 - 1.3.3 World Sawn Grade Diamond Single Crystal Average Price by Region (2018-2029)
 - 1.3.4 North America Sawn Grade Diamond Single Crystal Production (2018-2029)
 - 1.3.5 Europe Sawn Grade Diamond Single Crystal Production (2018-2029)
 - 1.3.6 China Sawn Grade Diamond Single Crystal Production (2018-2029)
 - 1.3.7 Japan Sawn Grade Diamond Single Crystal Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Sawn Grade Diamond Single Crystal Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Sawn Grade Diamond Single Crystal Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Sawn Grade Diamond Single Crystal Demand (2018-2029)
- 2.2 World Sawn Grade Diamond Single Crystal Consumption by Region
 - 2.2.1 World Sawn Grade Diamond Single Crystal Consumption by Region (2018-2023)
 - 2.2.2 World Sawn Grade Diamond Single Crystal Consumption Forecast by Region (2024-2029)
- 2.3 United States Sawn Grade Diamond Single Crystal Consumption (2018-2029)
- 2.4 China Sawn Grade Diamond Single Crystal Consumption (2018-2029)
- 2.5 Europe Sawn Grade Diamond Single Crystal Consumption (2018-2029)
- 2.6 Japan Sawn Grade Diamond Single Crystal Consumption (2018-2029)
- 2.7 South Korea Sawn Grade Diamond Single Crystal Consumption (2018-2029)
- 2.8 ASEAN Sawn Grade Diamond Single Crystal Consumption (2018-2029)

2.9 India Sawn Grade Diamond Single Crystal Consumption (2018-2029)

3 WORLD SAWN GRADE DIAMOND SINGLE CRYSTAL MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Sawn Grade Diamond Single Crystal Production Value by Manufacturer (2018-2023)

3.2 World Sawn Grade Diamond Single Crystal Production by Manufacturer (2018-2023)

3.3 World Sawn Grade Diamond Single Crystal Average Price by Manufacturer (2018-2023)

3.4 Sawn Grade Diamond Single Crystal Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Sawn Grade Diamond Single Crystal Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Sawn Grade Diamond Single Crystal in 2022

3.5.3 Global Concentration Ratios (CR8) for Sawn Grade Diamond Single Crystal in 2022

3.6 Sawn Grade Diamond Single Crystal Market: Overall Company Footprint Analysis

3.6.1 Sawn Grade Diamond Single Crystal Market: Region Footprint

3.6.2 Sawn Grade Diamond Single Crystal Market: Company Product Type Footprint

3.6.3 Sawn Grade Diamond Single Crystal 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: Sawn Grade Diamond Single Crystal Production Value Comparison

4.1.1 United States VS China: Sawn Grade Diamond Single Crystal Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Sawn Grade Diamond Single Crystal Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Sawn Grade Diamond Single Crystal Production Comparison

4.2.1 United States VS China: Sawn Grade Diamond Single Crystal Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Sawn Grade Diamond Single Crystal Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Sawn Grade Diamond Single Crystal Consumption Comparison

4.3.1 United States VS China: Sawn Grade Diamond Single Crystal Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Sawn Grade Diamond Single Crystal Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Sawn Grade Diamond Single Crystal Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Sawn Grade Diamond Single Crystal Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Sawn Grade Diamond Single Crystal Production Value (2018-2023)

4.4.3 United States Based Manufacturers Sawn Grade Diamond Single Crystal Production (2018-2023)

4.5 China Based Sawn Grade Diamond Single Crystal Manufacturers and Market Share

4.5.1 China Based Sawn Grade Diamond Single Crystal Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Sawn Grade Diamond Single Crystal Production Value (2018-2023)

4.5.3 China Based Manufacturers Sawn Grade Diamond Single Crystal Production (2018-2023)

4.6 Rest of World Based Sawn Grade Diamond Single Crystal Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Sawn Grade Diamond Single Crystal Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Sawn Grade Diamond Single Crystal Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Sawn Grade Diamond Single Crystal Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Sawn Grade Diamond Single Crystal Market Size Overview by Type: 2018

VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Natural Diamond Single Crystal

5.2.2 Artificial Diamond Single Crystal

5.3 Market Segment by Type

5.3.1 World Sawn Grade Diamond Single Crystal Production by Type (2018-2029)

5.3.2 World Sawn Grade Diamond Single Crystal Production Value by Type (2018-2029)

5.3.3 World Sawn Grade Diamond Single Crystal Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Sawn Grade Diamond Single Crystal Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Glass

6.2.2 Ceramic

6.2.3 Semiconductor

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World Sawn Grade Diamond Single Crystal Production by Application (2018-2029)

6.3.2 World Sawn Grade Diamond Single Crystal Production Value by Application (2018-2029)

6.3.3 World Sawn Grade Diamond Single Crystal 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 Sawn Grade Diamond Single Crystal Product and Services

7.1.4 Element Six Sawn Grade Diamond Single Crystal 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 ILJIN

7.2.1 ILJIN Details

- 7.2.2 ILJIN Major Business
- 7.2.3 ILJIN Sawn Grade Diamond Single Crystal Product and Services
- 7.2.4 ILJIN Sawn Grade Diamond Single Crystal Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.2.5 ILJIN Recent Developments/Updates
- 7.2.6 ILJIN Competitive Strengths & Weaknesses
- 7.3 Sumitomo Electric
 - 7.3.1 Sumitomo Electric Details
 - 7.3.2 Sumitomo Electric Major Business
 - 7.3.3 Sumitomo Electric Sawn Grade Diamond Single Crystal Product and Services
 - 7.3.4 Sumitomo Electric Sawn Grade Diamond Single Crystal Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.3.5 Sumitomo Electric Recent Developments/Updates
 - 7.3.6 Sumitomo Electric Competitive Strengths & Weaknesses
- 7.4 Henan Province Liliang Diamond
 - 7.4.1 Henan Province Liliang Diamond Details
 - 7.4.2 Henan Province Liliang Diamond Major Business
 - 7.4.3 Henan Province Liliang Diamond Sawn Grade Diamond Single Crystal Product and Services
 - 7.4.4 Henan Province Liliang Diamond Sawn Grade Diamond Single Crystal Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.4.5 Henan Province Liliang Diamond Recent Developments/Updates
 - 7.4.6 Henan Province Liliang Diamond Competitive Strengths & Weaknesses
- 7.5 Zhongnan Diamond
 - 7.5.1 Zhongnan Diamond Details
 - 7.5.2 Zhongnan Diamond Major Business
 - 7.5.3 Zhongnan Diamond Sawn Grade Diamond Single Crystal Product and Services
 - 7.5.4 Zhongnan Diamond Sawn Grade Diamond Single Crystal Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 Zhongnan Diamond Recent Developments/Updates
 - 7.5.6 Zhongnan Diamond Competitive Strengths & Weaknesses
- 7.6 Henan Huanghe Whirlwind
 - 7.6.1 Henan Huanghe Whirlwind Details
 - 7.6.2 Henan Huanghe Whirlwind Major Business
 - 7.6.3 Henan Huanghe Whirlwind Sawn Grade Diamond Single Crystal Product and Services
 - 7.6.4 Henan Huanghe Whirlwind Sawn Grade Diamond Single Crystal Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Henan Huanghe Whirlwind Recent Developments/Updates

- 7.6.6 Henan Huanghe Whirlwind Competitive Strengths & Weaknesses
- 7.7 Zhengzhou Sino-Crystal Diamond
 - 7.7.1 Zhengzhou Sino-Crystal Diamond Details
 - 7.7.2 Zhengzhou Sino-Crystal Diamond Major Business
 - 7.7.3 Zhengzhou Sino-Crystal Diamond Sawn Grade Diamond Single Crystal Product and Services
 - 7.7.4 Zhengzhou Sino-Crystal Diamond Sawn Grade Diamond Single Crystal Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 Zhengzhou Sino-Crystal Diamond Recent Developments/Updates
 - 7.7.6 Zhengzhou Sino-Crystal Diamond Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Sawn Grade Diamond Single Crystal Industry Chain
- 8.2 Sawn Grade Diamond Single Crystal Upstream Analysis
 - 8.2.1 Sawn Grade Diamond Single Crystal Core Raw Materials
 - 8.2.2 Main Manufacturers of Sawn Grade Diamond Single Crystal Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Sawn Grade Diamond Single Crystal Production Mode
- 8.6 Sawn Grade Diamond Single Crystal Procurement Model
- 8.7 Sawn Grade Diamond Single Crystal Industry Sales Model and Sales Channels
 - 8.7.1 Sawn Grade Diamond Single Crystal Sales Model
 - 8.7.2 Sawn Grade Diamond Single Crystal 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 Sawn Grade Diamond Single Crystal Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Sawn Grade Diamond Single Crystal Production Value by Region (2018-2023) & (USD Million)

Table 3. World Sawn Grade Diamond Single Crystal Production Value by Region (2024-2029) & (USD Million)

Table 4. World Sawn Grade Diamond Single Crystal Production Value Market Share by Region (2018-2023)

Table 5. World Sawn Grade Diamond Single Crystal Production Value Market Share by Region (2024-2029)

Table 6. World Sawn Grade Diamond Single Crystal Production by Region (2018-2023) & (Kg)

Table 7. World Sawn Grade Diamond Single Crystal Production by Region (2024-2029) & (Kg)

Table 8. World Sawn Grade Diamond Single Crystal Production Market Share by Region (2018-2023)

Table 9. World Sawn Grade Diamond Single Crystal Production Market Share by Region (2024-2029)

Table 10. World Sawn Grade Diamond Single Crystal Average Price by Region (2018-2023) & (US\$/Kg)

Table 11. World Sawn Grade Diamond Single Crystal Average Price by Region (2024-2029) & (US\$/Kg)

Table 12. Sawn Grade Diamond Single Crystal Major Market Trends

Table 13. World Sawn Grade Diamond Single Crystal Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Kg)

Table 14. World Sawn Grade Diamond Single Crystal Consumption by Region (2018-2023) & (Kg)

Table 15. World Sawn Grade Diamond Single Crystal Consumption Forecast by Region (2024-2029) & (Kg)

Table 16. World Sawn Grade Diamond Single Crystal Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Sawn Grade Diamond Single Crystal Producers in 2022

Table 18. World Sawn Grade Diamond Single Crystal Production by Manufacturer (2018-2023) & (Kg)

Table 19. Production Market Share of Key Sawn Grade Diamond Single Crystal Producers in 2022

Table 20. World Sawn Grade Diamond Single Crystal Average Price by Manufacturer (2018-2023) & (US\$/Kg)

Table 21. Global Sawn Grade Diamond Single Crystal Company Evaluation Quadrant

Table 22. World Sawn Grade Diamond Single Crystal Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Sawn Grade Diamond Single Crystal Production Site of Key Manufacturer

Table 24. Sawn Grade Diamond Single Crystal Market: Company Product Type Footprint

Table 25. Sawn Grade Diamond Single Crystal Market: Company Product Application Footprint

Table 26. Sawn Grade Diamond Single Crystal Competitive Factors

Table 27. Sawn Grade Diamond Single Crystal New Entrant and Capacity Expansion Plans

Table 28. Sawn Grade Diamond Single Crystal Mergers & Acquisitions Activity

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

Table 30. United States VS China Sawn Grade Diamond Single Crystal Production Comparison, (2018 & 2022 & 2029) & (Kg)

Table 31. United States VS China Sawn Grade Diamond Single Crystal Consumption Comparison, (2018 & 2022 & 2029) & (Kg)

Table 32. United States Based Sawn Grade Diamond Single Crystal Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Sawn Grade Diamond Single Crystal Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Sawn Grade Diamond Single Crystal Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Sawn Grade Diamond Single Crystal Production (2018-2023) & (Kg)

Table 36. United States Based Manufacturers Sawn Grade Diamond Single Crystal Production Market Share (2018-2023)

Table 37. China Based Sawn Grade Diamond Single Crystal Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Sawn Grade Diamond Single Crystal Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Sawn Grade Diamond Single Crystal Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Sawn Grade Diamond Single Crystal Production (2018-2023) & (Kg)

Table 41. China Based Manufacturers Sawn Grade Diamond Single Crystal Production Market Share (2018-2023)

Table 42. Rest of World Based Sawn Grade Diamond Single Crystal Manufacturers, Headquarters and Production Site (States, Country)

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

Table 44. Rest of World Based Manufacturers Sawn Grade Diamond Single Crystal Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Sawn Grade Diamond Single Crystal Production (2018-2023) & (Kg)

Table 46. Rest of World Based Manufacturers Sawn Grade Diamond Single Crystal Production Market Share (2018-2023)

Table 47. World Sawn Grade Diamond Single Crystal Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Sawn Grade Diamond Single Crystal Production by Type (2018-2023) & (Kg)

Table 49. World Sawn Grade Diamond Single Crystal Production by Type (2024-2029) & (Kg)

Table 50. World Sawn Grade Diamond Single Crystal Production Value by Type (2018-2023) & (USD Million)

Table 51. World Sawn Grade Diamond Single Crystal Production Value by Type (2024-2029) & (USD Million)

Table 52. World Sawn Grade Diamond Single Crystal Average Price by Type (2018-2023) & (US\$/Kg)

Table 53. World Sawn Grade Diamond Single Crystal Average Price by Type (2024-2029) & (US\$/Kg)

Table 54. World Sawn Grade Diamond Single Crystal Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Sawn Grade Diamond Single Crystal Production by Application (2018-2023) & (Kg)

Table 56. World Sawn Grade Diamond Single Crystal Production by Application (2024-2029) & (Kg)

Table 57. World Sawn Grade Diamond Single Crystal Production Value by Application (2018-2023) & (USD Million)

Table 58. World Sawn Grade Diamond Single Crystal Production Value by Application (2024-2029) & (USD Million)

Table 59. World Sawn Grade Diamond Single Crystal Average Price by Application

(2018-2023) & (US\$/Kg)

Table 60. World Sawn Grade Diamond Single Crystal Average Price by Application (2024-2029) & (US\$/Kg)

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

Table 62. Element Six Major Business

Table 63. Element Six Sawn Grade Diamond Single Crystal Product and Services

Table 64. Element Six Sawn Grade Diamond Single Crystal Production (Kg), Price (US\$/Kg), 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. ILJIN Basic Information, Manufacturing Base and Competitors

Table 68. ILJIN Major Business

Table 69. ILJIN Sawn Grade Diamond Single Crystal Product and Services

Table 70. ILJIN Sawn Grade Diamond Single Crystal Production (Kg), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. ILJIN Recent Developments/Updates

Table 72. ILJIN Competitive Strengths & Weaknesses

Table 73. Sumitomo Electric Basic Information, Manufacturing Base and Competitors

Table 74. Sumitomo Electric Major Business

Table 75. Sumitomo Electric Sawn Grade Diamond Single Crystal Product and Services

Table 76. Sumitomo Electric Sawn Grade Diamond Single Crystal Production (Kg), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Sumitomo Electric Recent Developments/Updates

Table 78. Sumitomo Electric Competitive Strengths & Weaknesses

Table 79. Henan Province Liliang Diamond Basic Information, Manufacturing Base and Competitors

Table 80. Henan Province Liliang Diamond Major Business

Table 81. Henan Province Liliang Diamond Sawn Grade Diamond Single Crystal Product and Services

Table 82. Henan Province Liliang Diamond Sawn Grade Diamond Single Crystal Production (Kg), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Henan Province Liliang Diamond Recent Developments/Updates

Table 84. Henan Province Liliang Diamond Competitive Strengths & Weaknesses

Table 85. Zhongnan Diamond Basic Information, Manufacturing Base and Competitors

Table 86. Zhongnan Diamond Major Business

Table 87. Zhongnan Diamond Sawn Grade Diamond Single Crystal Product and Services

Table 88. Zhongnan Diamond Sawn Grade Diamond Single Crystal Production (Kg), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Zhongnan Diamond Recent Developments/Updates

Table 90. Zhongnan Diamond Competitive Strengths & Weaknesses

Table 91. Henan Huanghe Whirlwind Basic Information, Manufacturing Base and Competitors

Table 92. Henan Huanghe Whirlwind Major Business

Table 93. Henan Huanghe Whirlwind Sawn Grade Diamond Single Crystal Product and Services

Table 94. Henan Huanghe Whirlwind Sawn Grade Diamond Single Crystal Production (Kg), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Henan Huanghe Whirlwind Recent Developments/Updates

Table 96. Zhengzhou Sino-Crystal Diamond Basic Information, Manufacturing Base and Competitors

Table 97. Zhengzhou Sino-Crystal Diamond Major Business

Table 98. Zhengzhou Sino-Crystal Diamond Sawn Grade Diamond Single Crystal Product and Services

Table 99. Zhengzhou Sino-Crystal Diamond Sawn Grade Diamond Single Crystal Production (Kg), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 100. Global Key Players of Sawn Grade Diamond Single Crystal Upstream (Raw Materials)

Table 101. Sawn Grade Diamond Single Crystal Typical Customers

Table 102. Sawn Grade Diamond Single Crystal Typical Distributors

List of Figure

Figure 1. Sawn Grade Diamond Single Crystal Picture

Figure 2. World Sawn Grade Diamond Single Crystal Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Sawn Grade Diamond Single Crystal Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Sawn Grade Diamond Single Crystal Production (2018-2029) & (Kg)

Figure 5. World Sawn Grade Diamond Single Crystal Average Price (2018-2029) & (US\$/Kg)

Figure 6. World Sawn Grade Diamond Single Crystal Production Value Market Share by Region (2018-2029)

Figure 7. World Sawn Grade Diamond Single Crystal Production Market Share by Region (2018-2029)

Figure 8. North America Sawn Grade Diamond Single Crystal Production (2018-2029) & (Kg)

Figure 9. Europe Sawn Grade Diamond Single Crystal Production (2018-2029) & (Kg)

Figure 10. China Sawn Grade Diamond Single Crystal Production (2018-2029) & (Kg)

Figure 11. Japan Sawn Grade Diamond Single Crystal Production (2018-2029) & (Kg)

Figure 12. Sawn Grade Diamond Single Crystal Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Sawn Grade Diamond Single Crystal Consumption (2018-2029) & (Kg)

Figure 15. World Sawn Grade Diamond Single Crystal Consumption Market Share by Region (2018-2029)

Figure 16. United States Sawn Grade Diamond Single Crystal Consumption (2018-2029) & (Kg)

Figure 17. China Sawn Grade Diamond Single Crystal Consumption (2018-2029) & (Kg)

Figure 18. Europe Sawn Grade Diamond Single Crystal Consumption (2018-2029) & (Kg)

Figure 19. Japan Sawn Grade Diamond Single Crystal Consumption (2018-2029) & (Kg)

Figure 20. South Korea Sawn Grade Diamond Single Crystal Consumption (2018-2029) & (Kg)

Figure 21. ASEAN Sawn Grade Diamond Single Crystal Consumption (2018-2029) & (Kg)

Figure 22. India Sawn Grade Diamond Single Crystal Consumption (2018-2029) & (Kg)

Figure 23. Producer Shipments of Sawn Grade Diamond Single Crystal by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Sawn Grade Diamond Single Crystal Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Sawn Grade Diamond Single Crystal Markets in 2022

Figure 26. United States VS China: Sawn Grade Diamond Single Crystal Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Sawn Grade Diamond Single Crystal Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Sawn Grade Diamond Single Crystal Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Sawn Grade Diamond Single Crystal Production Market Share 2022

Figure 30. China Based Manufacturers Sawn Grade Diamond Single Crystal Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Sawn Grade Diamond Single Crystal

Production Market Share 2022

Figure 32. World Sawn Grade Diamond Single Crystal Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Sawn Grade Diamond Single Crystal Production Value Market Share by Type in 2022

Figure 34. Natural Diamond Single Crystal

Figure 35. Artificial Diamond Single Crystal

Figure 36. World Sawn Grade Diamond Single Crystal Production Market Share by Type (2018-2029)

Figure 37. World Sawn Grade Diamond Single Crystal Production Value Market Share by Type (2018-2029)

Figure 38. World Sawn Grade Diamond Single Crystal Average Price by Type (2018-2029) & (US\$/Kg)

Figure 39. World Sawn Grade Diamond Single Crystal Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 40. World Sawn Grade Diamond Single Crystal Production Value Market Share by Application in 2022

Figure 41. Glass

Figure 42. Ceramic

Figure 43. Semiconductor

Figure 44. Others

Figure 45. World Sawn Grade Diamond Single Crystal Production Market Share by Application (2018-2029)

Figure 46. World Sawn Grade Diamond Single Crystal Production Value Market Share by Application (2018-2029)

Figure 47. World Sawn Grade Diamond Single Crystal Average Price by Application (2018-2029) & (US\$/Kg)

Figure 48. Sawn Grade Diamond Single Crystal Industry Chain

Figure 49. Sawn Grade Diamond Single Crystal Procurement Model

Figure 50. Sawn Grade Diamond Single Crystal Sales Model

Figure 51. Sawn Grade Diamond Single Crystal Sales Channels, Direct Sales, and Distribution

Figure 52. Methodology

Figure 53. Research Process and Data Source

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