

Global CVD Lab Grown Rough Diamonds Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global CVD Lab Grown Rough Diamonds market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

CVD Lab Grown Rough Diamonds, also known as Chemical Vapor Deposition labgrown rough diamonds, are synthetic diamonds created using the Chemical Vapor Deposition (CVD) method. In the CVD process, a small natural or synthetic diamond seed crystal is placed in a vacuum chamber. The chamber is then filled with a mixture of gases, typically methane and hydrogen. When the gases are heated to high temperatures and exposed to a microwave plasma or other energy source, carbon atoms are released from the methane gas. These carbon atoms adhere to the seed crystal and gradually form a rough diamond. The process continues until the desired size and quality of the rough diamond is achieved.

This method involves the growth of diamond crystals in a controlled laboratory environment. CVD is one of the primary techniques for producing lab-grown diamonds, and it has gained popularity in the gem and jewelry industry. CVD lab-grown diamonds can be produced with a high degree of purity and quality. They have the same carbon crystal structure as natural diamonds, making them virtually indistinguishable from mined diamonds in terms of chemical composition and physical properties.

CVD lab-grown rough diamonds are a significant advancement in the diamond industry, offering consumers a responsible and sustainable choice without compromising on the quality and beauty of the gemstone. They are becoming increasingly popular and widely available in the jewelry market.



The Global Info Research report includes an overview of the development of the CVD Lab Grown Rough Diamonds industry chain, the market status of Gemstone (VVS, VS), Industrial Applications (VVS, VS), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of CVD Lab Grown Rough Diamonds.

Regionally, the report analyzes the CVD Lab Grown Rough Diamonds markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global CVD Lab Grown Rough Diamonds market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the CVD Lab Grown Rough Diamonds market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the CVD Lab Grown Rough Diamonds industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Clarity (e.g., VVS, VS).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the CVD Lab Grown Rough Diamonds market.

Regional Analysis: The report involves examining the CVD Lab Grown Rough Diamonds market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the CVD Lab Grown Rough Diamonds market. This may



include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to CVD Lab Grown Rough Diamonds:

Company Analysis: Report covers individual CVD Lab Grown Rough Diamonds manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards CVD Lab Grown Rough Diamonds This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Gemstone, Industrial Applications).

Technology Analysis: Report covers specific technologies relevant to CVD Lab Grown Rough Diamonds. It assesses the current state, advancements, and potential future developments in CVD Lab Grown Rough Diamonds areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the CVD Lab Grown Rough Diamonds market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

CVD Lab Grown Rough Diamonds market is split by Clarity and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Clarity, and by Application in terms of volume and value.

Market segment by Clarity

VVS



VS
SI
Others
Market segment by Application
Gemstone
Industrial Applications
Major players covered
Element Six (De Beers)
Adamas One
Washington Diamonds
Creative Technologies
Diamond Elements
Shanghai Zhengshi Technology
Green Rocks Diamonds
Hangzhou Chaoran
Lusix
Ningbo Crysdiam Industrial Technology

Market segment by region, regional analysis covers



North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe CVD Lab Grown Rough Diamonds product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CVD Lab Grown Rough Diamonds, with price, sales, revenue and global market share of CVD Lab Grown Rough Diamonds from 2018 to 2023.

Chapter 3, the CVD Lab Grown Rough Diamonds competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CVD Lab Grown Rough Diamonds breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Clarity and application, with sales market share and growth rate by clarity, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and CVD Lab Grown Rough Diamonds market forecast, by regions, clarity and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.



Chapter 13, the key raw materials and key suppliers, and industry chain of CVD Lab Grown Rough Diamonds.

Chapter 14 and 15, to describe CVD Lab Grown Rough Diamonds sales channel, distributors, customers, research findings and conclusion.



Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of CVD Lab Grown Rough Diamonds
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Clarity
 - 1.3.1 Overview: Global CVD Lab Grown Rough Diamonds Consumption Value by

Clarity: 2018 Versus 2022 Versus 2029

- 1.3.2 VVS
- 1.3.3 VS
- 1.3.4 SI
- 1.3.5 Others
- 1.4 Market Analysis by Application
- 1.4.1 Overview: Global CVD Lab Grown Rough Diamonds Consumption Value by

Application: 2018 Versus 2022 Versus 2029

- 1.4.2 Gemstone
- 1.4.3 Industrial Applications
- 1.5 Global CVD Lab Grown Rough Diamonds Market Size & Forecast
- 1.5.1 Global CVD Lab Grown Rough Diamonds Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global CVD Lab Grown Rough Diamonds Sales Quantity (2018-2029)
 - 1.5.3 Global CVD Lab Grown Rough Diamonds Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 Element Six (De Beers)
 - 2.1.1 Element Six (De Beers) Details
 - 2.1.2 Element Six (De Beers) Major Business
 - 2.1.3 Element Six (De Beers) CVD Lab Grown Rough Diamonds Product and Services
 - 2.1.4 Element Six (De Beers) CVD Lab Grown Rough Diamonds Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.1.5 Element Six (De Beers) Recent Developments/Updates
- 2.2 Adamas One
 - 2.2.1 Adamas One Details
 - 2.2.2 Adamas One Major Business
 - 2.2.3 Adamas One CVD Lab Grown Rough Diamonds Product and Services
- 2.2.4 Adamas One CVD Lab Grown Rough Diamonds Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)



- 2.2.5 Adamas One Recent Developments/Updates
- 2.3 Washington Diamonds
 - 2.3.1 Washington Diamonds Details
 - 2.3.2 Washington Diamonds Major Business
 - 2.3.3 Washington Diamonds CVD Lab Grown Rough Diamonds Product and Services
 - 2.3.4 Washington Diamonds CVD Lab Grown Rough Diamonds Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.3.5 Washington Diamonds Recent Developments/Updates
- 2.4 Creative Technologies
 - 2.4.1 Creative Technologies Details
 - 2.4.2 Creative Technologies Major Business
 - 2.4.3 Creative Technologies CVD Lab Grown Rough Diamonds Product and Services
 - 2.4.4 Creative Technologies CVD Lab Grown Rough Diamonds Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.4.5 Creative Technologies Recent Developments/Updates
- 2.5 Diamond Elements
 - 2.5.1 Diamond Elements Details
 - 2.5.2 Diamond Elements Major Business
 - 2.5.3 Diamond Elements CVD Lab Grown Rough Diamonds Product and Services
- 2.5.4 Diamond Elements CVD Lab Grown Rough Diamonds Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.5.5 Diamond Elements Recent Developments/Updates
- 2.6 Shanghai Zhengshi Technology
 - 2.6.1 Shanghai Zhengshi Technology Details
 - 2.6.2 Shanghai Zhengshi Technology Major Business
- 2.6.3 Shanghai Zhengshi Technology CVD Lab Grown Rough Diamonds Product and Services
- 2.6.4 Shanghai Zhengshi Technology CVD Lab Grown Rough Diamonds Sales

Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.6.5 Shanghai Zhengshi Technology Recent Developments/Updates
- 2.7 Green Rocks Diamonds
 - 2.7.1 Green Rocks Diamonds Details
 - 2.7.2 Green Rocks Diamonds Major Business
- 2.7.3 Green Rocks Diamonds CVD Lab Grown Rough Diamonds Product and Services
 - 2.7.4 Green Rocks Diamonds CVD Lab Grown Rough Diamonds Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.7.5 Green Rocks Diamonds Recent Developments/Updates
- 2.8 Hangzhou Chaoran



- 2.8.1 Hangzhou Chaoran Details
- 2.8.2 Hangzhou Chaoran Major Business
- 2.8.3 Hangzhou Chaoran CVD Lab Grown Rough Diamonds Product and Services
- 2.8.4 Hangzhou Chaoran CVD Lab Grown Rough Diamonds Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 Hangzhou Chaoran Recent Developments/Updates
- 2.9 Lusix
 - 2.9.1 Lusix Details
 - 2.9.2 Lusix Major Business
 - 2.9.3 Lusix CVD Lab Grown Rough Diamonds Product and Services
- 2.9.4 Lusix CVD Lab Grown Rough Diamonds Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

- 2.9.5 Lusix Recent Developments/Updates
- 2.10 Ningbo Crysdiam Industrial Technology
 - 2.10.1 Ningbo Crysdiam Industrial Technology Details
 - 2.10.2 Ningbo Crysdiam Industrial Technology Major Business
- 2.10.3 Ningbo Crysdiam Industrial Technology CVD Lab Grown Rough Diamonds Product and Services
- 2.10.4 Ningbo Crysdiam Industrial Technology CVD Lab Grown Rough Diamonds Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.10.5 Ningbo Crysdiam Industrial Technology Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: CVD LAB GROWN ROUGH DIAMONDS BY MANUFACTURER

- 3.1 Global CVD Lab Grown Rough Diamonds Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global CVD Lab Grown Rough Diamonds Revenue by Manufacturer (2018-2023)
- 3.3 Global CVD Lab Grown Rough Diamonds Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
- 3.4.1 Producer Shipments of CVD Lab Grown Rough Diamonds by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- 3.4.2 Top 3 CVD Lab Grown Rough Diamonds Manufacturer Market Share in 2022
- 3.4.2 Top 6 CVD Lab Grown Rough Diamonds Manufacturer Market Share in 2022
- 3.5 CVD Lab Grown Rough Diamonds Market: Overall Company Footprint Analysis
 - 3.5.1 CVD Lab Grown Rough Diamonds Market: Region Footprint
- 3.5.2 CVD Lab Grown Rough Diamonds Market: Company Product Type Footprint
- 3.5.3 CVD Lab Grown Rough Diamonds Market: Company Product Application



Footprint

- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global CVD Lab Grown Rough Diamonds Market Size by Region
- 4.1.1 Global CVD Lab Grown Rough Diamonds Sales Quantity by Region (2018-2029)
- 4.1.2 Global CVD Lab Grown Rough Diamonds Consumption Value by Region (2018-2029)
 - 4.1.3 Global CVD Lab Grown Rough Diamonds Average Price by Region (2018-2029)
- 4.2 North America CVD Lab Grown Rough Diamonds Consumption Value (2018-2029)
- 4.3 Europe CVD Lab Grown Rough Diamonds Consumption Value (2018-2029)
- 4.4 Asia-Pacific CVD Lab Grown Rough Diamonds Consumption Value (2018-2029)
- 4.5 South America CVD Lab Grown Rough Diamonds Consumption Value (2018-2029)
- 4.6 Middle East and Africa CVD Lab Grown Rough Diamonds Consumption Value (2018-2029)

5 MARKET SEGMENT BY CLARITY

- 5.1 Global CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2029)
- 5.2 Global CVD Lab Grown Rough Diamonds Consumption Value by Clarity (2018-2029)
- 5.3 Global CVD Lab Grown Rough Diamonds Average Price by Clarity (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2029)
- 6.2 Global CVD Lab Grown Rough Diamonds Consumption Value by Application (2018-2029)
- 6.3 Global CVD Lab Grown Rough Diamonds Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2029)
- 7.2 North America CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2029)



- 7.3 North America CVD Lab Grown Rough Diamonds Market Size by Country
- 7.3.1 North America CVD Lab Grown Rough Diamonds Sales Quantity by Country (2018-2029)
- 7.3.2 North America CVD Lab Grown Rough Diamonds Consumption Value by Country (2018-2029)
 - 7.3.3 United States Market Size and Forecast (2018-2029)
 - 7.3.4 Canada Market Size and Forecast (2018-2029)
 - 7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

- 8.1 Europe CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2029)
- 8.2 Europe CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2029)
- 8.3 Europe CVD Lab Grown Rough Diamonds Market Size by Country
- 8.3.1 Europe CVD Lab Grown Rough Diamonds Sales Quantity by Country (2018-2029)
- 8.3.2 Europe CVD Lab Grown Rough Diamonds Consumption Value by Country (2018-2029)
- 8.3.3 Germany Market Size and Forecast (2018-2029)
- 8.3.4 France Market Size and Forecast (2018-2029)
- 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
- 8.3.6 Russia Market Size and Forecast (2018-2029)
- 8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2029)
- 9.2 Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific CVD Lab Grown Rough Diamonds Market Size by Region
- 9.3.1 Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Region (2018-2029)
- 9.3.2 Asia-Pacific CVD Lab Grown Rough Diamonds Consumption Value by Region (2018-2029)
 - 9.3.3 China Market Size and Forecast (2018-2029)
 - 9.3.4 Japan Market Size and Forecast (2018-2029)
- 9.3.5 Korea Market Size and Forecast (2018-2029)



- 9.3.6 India Market Size and Forecast (2018-2029)
- 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
- 9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

- 10.1 South America CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2029)
- 10.2 South America CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2029)
- 10.3 South America CVD Lab Grown Rough Diamonds Market Size by Country
- 10.3.1 South America CVD Lab Grown Rough Diamonds Sales Quantity by Country (2018-2029)
- 10.3.2 South America CVD Lab Grown Rough Diamonds Consumption Value by Country (2018-2029)
 - 10.3.3 Brazil Market Size and Forecast (2018-2029)
 - 10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2029)
- 11.2 Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa CVD Lab Grown Rough Diamonds Market Size by Country 11.3.1 Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Country (2018-2029)
- 11.3.2 Middle East & Africa CVD Lab Grown Rough Diamonds Consumption Value by Country (2018-2029)
 - 11.3.3 Turkey Market Size and Forecast (2018-2029)
 - 11.3.4 Egypt Market Size and Forecast (2018-2029)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
 - 11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

- 12.1 CVD Lab Grown Rough Diamonds Market Drivers
- 12.2 CVD Lab Grown Rough Diamonds Market Restraints
- 12.3 CVD Lab Grown Rough Diamonds Trends Analysis



- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of CVD Lab Grown Rough Diamonds and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of CVD Lab Grown Rough Diamonds
- 13.3 CVD Lab Grown Rough Diamonds Production Process
- 13.4 CVD Lab Grown Rough Diamonds Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 CVD Lab Grown Rough Diamonds Typical Distributors
- 14.3 CVD Lab Grown Rough Diamonds Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer



List Of Tables

LIST OF TABLES

- Table 1. Global CVD Lab Grown Rough Diamonds Consumption Value by Clarity, (USD Million), 2018 & 2022 & 2029
- Table 2. Global CVD Lab Grown Rough Diamonds Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 3. Element Six (De Beers) Basic Information, Manufacturing Base and Competitors
- Table 4. Element Six (De Beers) Major Business
- Table 5. Element Six (De Beers) CVD Lab Grown Rough Diamonds Product and Services
- Table 6. Element Six (De Beers) CVD Lab Grown Rough Diamonds Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 7. Element Six (De Beers) Recent Developments/Updates
- Table 8. Adamas One Basic Information, Manufacturing Base and Competitors
- Table 9. Adamas One Major Business
- Table 10. Adamas One CVD Lab Grown Rough Diamonds Product and Services
- Table 11. Adamas One CVD Lab Grown Rough Diamonds Sales Quantity (Tons),
- Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 12. Adamas One Recent Developments/Updates
- Table 13. Washington Diamonds Basic Information, Manufacturing Base and Competitors
- Table 14. Washington Diamonds Major Business
- Table 15. Washington Diamonds CVD Lab Grown Rough Diamonds Product and Services
- Table 16. Washington Diamonds CVD Lab Grown Rough Diamonds Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 17. Washington Diamonds Recent Developments/Updates
- Table 18. Creative Technologies Basic Information, Manufacturing Base and Competitors
- Table 19. Creative Technologies Major Business
- Table 20. Creative Technologies CVD Lab Grown Rough Diamonds Product and Services
- Table 21. Creative Technologies CVD Lab Grown Rough Diamonds Sales Quantity



- (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 22. Creative Technologies Recent Developments/Updates
- Table 23. Diamond Elements Basic Information, Manufacturing Base and Competitors
- Table 24. Diamond Elements Major Business
- Table 25. Diamond Elements CVD Lab Grown Rough Diamonds Product and Services
- Table 26. Diamond Elements CVD Lab Grown Rough Diamonds Sales Quantity (Tons),
- Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 27. Diamond Elements Recent Developments/Updates
- Table 28. Shanghai Zhengshi Technology Basic Information, Manufacturing Base and Competitors
- Table 29. Shanghai Zhengshi Technology Major Business
- Table 30. Shanghai Zhengshi Technology CVD Lab Grown Rough Diamonds Product and Services
- Table 31. Shanghai Zhengshi Technology CVD Lab Grown Rough Diamonds Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. Shanghai Zhengshi Technology Recent Developments/Updates
- Table 33. Green Rocks Diamonds Basic Information, Manufacturing Base and Competitors
- Table 34. Green Rocks Diamonds Major Business
- Table 35. Green Rocks Diamonds CVD Lab Grown Rough Diamonds Product and Services
- Table 36. Green Rocks Diamonds CVD Lab Grown Rough Diamonds Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Green Rocks Diamonds Recent Developments/Updates
- Table 38. Hangzhou Chaoran Basic Information, Manufacturing Base and Competitors
- Table 39. Hangzhou Chaoran Major Business
- Table 40. Hangzhou Chaoran CVD Lab Grown Rough Diamonds Product and Services
- Table 41. Hangzhou Chaoran CVD Lab Grown Rough Diamonds Sales Quantity (Tons),
- Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. Hangzhou Chaoran Recent Developments/Updates
- Table 43. Lusix Basic Information, Manufacturing Base and Competitors
- Table 44. Lusix Major Business
- Table 45. Lusix CVD Lab Grown Rough Diamonds Product and Services
- Table 46. Lusix CVD Lab Grown Rough Diamonds Sales Quantity (Tons), Average



- Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 47. Lusix Recent Developments/Updates
- Table 48. Ningbo Crysdiam Industrial Technology Basic Information, Manufacturing Base and Competitors
- Table 49. Ningbo Crysdiam Industrial Technology Major Business
- Table 50. Ningbo Crysdiam Industrial Technology CVD Lab Grown Rough Diamonds Product and Services
- Table 51. Ningbo Crysdiam Industrial Technology CVD Lab Grown Rough Diamonds Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 52. Ningbo Crysdiam Industrial Technology Recent Developments/Updates
- Table 53. Global CVD Lab Grown Rough Diamonds Sales Quantity by Manufacturer (2018-2023) & (Tons)
- Table 54. Global CVD Lab Grown Rough Diamonds Revenue by Manufacturer (2018-2023) & (USD Million)
- Table 55. Global CVD Lab Grown Rough Diamonds Average Price by Manufacturer (2018-2023) & (US\$/Ton)
- Table 56. Market Position of Manufacturers in CVD Lab Grown Rough Diamonds, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022
- Table 57. Head Office and CVD Lab Grown Rough Diamonds Production Site of Key Manufacturer
- Table 58. CVD Lab Grown Rough Diamonds Market: Company Product Type Footprint
- Table 59. CVD Lab Grown Rough Diamonds Market: Company Product Application Footprint
- Table 60. CVD Lab Grown Rough Diamonds New Market Entrants and Barriers to Market Entry
- Table 61. CVD Lab Grown Rough Diamonds Mergers, Acquisition, Agreements, and Collaborations
- Table 62. Global CVD Lab Grown Rough Diamonds Sales Quantity by Region (2018-2023) & (Tons)
- Table 63. Global CVD Lab Grown Rough Diamonds Sales Quantity by Region (2024-2029) & (Tons)
- Table 64. Global CVD Lab Grown Rough Diamonds Consumption Value by Region (2018-2023) & (USD Million)
- Table 65. Global CVD Lab Grown Rough Diamonds Consumption Value by Region (2024-2029) & (USD Million)
- Table 66. Global CVD Lab Grown Rough Diamonds Average Price by Region (2018-2023) & (US\$/Ton)
- Table 67. Global CVD Lab Grown Rough Diamonds Average Price by Region



(2024-2029) & (US\$/Ton)

Table 68. Global CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2023) & (Tons)

Table 69. Global CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2024-2029) & (Tons)

Table 70. Global CVD Lab Grown Rough Diamonds Consumption Value by Clarity (2018-2023) & (USD Million)

Table 71. Global CVD Lab Grown Rough Diamonds Consumption Value by Clarity (2024-2029) & (USD Million)

Table 72. Global CVD Lab Grown Rough Diamonds Average Price by Clarity (2018-2023) & (US\$/Ton)

Table 73. Global CVD Lab Grown Rough Diamonds Average Price by Clarity (2024-2029) & (US\$/Ton)

Table 74. Global CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2023) & (Tons)

Table 75. Global CVD Lab Grown Rough Diamonds Sales Quantity by Application (2024-2029) & (Tons)

Table 76. Global CVD Lab Grown Rough Diamonds Consumption Value by Application (2018-2023) & (USD Million)

Table 77. Global CVD Lab Grown Rough Diamonds Consumption Value by Application (2024-2029) & (USD Million)

Table 78. Global CVD Lab Grown Rough Diamonds Average Price by Application (2018-2023) & (US\$/Ton)

Table 79. Global CVD Lab Grown Rough Diamonds Average Price by Application (2024-2029) & (US\$/Ton)

Table 80. North America CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2023) & (Tons)

Table 81. North America CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2024-2029) & (Tons)

Table 82. North America CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2023) & (Tons)

Table 83. North America CVD Lab Grown Rough Diamonds Sales Quantity by Application (2024-2029) & (Tons)

Table 84. North America CVD Lab Grown Rough Diamonds Sales Quantity by Country (2018-2023) & (Tons)

Table 85. North America CVD Lab Grown Rough Diamonds Sales Quantity by Country (2024-2029) & (Tons)

Table 86. North America CVD Lab Grown Rough Diamonds Consumption Value by Country (2018-2023) & (USD Million)



Table 87. North America CVD Lab Grown Rough Diamonds Consumption Value by Country (2024-2029) & (USD Million)

Table 88. Europe CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2023) & (Tons)

Table 89. Europe CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2024-2029) & (Tons)

Table 90. Europe CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2023) & (Tons)

Table 91. Europe CVD Lab Grown Rough Diamonds Sales Quantity by Application (2024-2029) & (Tons)

Table 92. Europe CVD Lab Grown Rough Diamonds Sales Quantity by Country (2018-2023) & (Tons)

Table 93. Europe CVD Lab Grown Rough Diamonds Sales Quantity by Country (2024-2029) & (Tons)

Table 94. Europe CVD Lab Grown Rough Diamonds Consumption Value by Country (2018-2023) & (USD Million)

Table 95. Europe CVD Lab Grown Rough Diamonds Consumption Value by Country (2024-2029) & (USD Million)

Table 96. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2023) & (Tons)

Table 97. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2024-2029) & (Tons)

Table 98. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2023) & (Tons)

Table 99. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Application (2024-2029) & (Tons)

Table 100. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Region (2018-2023) & (Tons)

Table 101. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity by Region (2024-2029) & (Tons)

Table 102. Asia-Pacific CVD Lab Grown Rough Diamonds Consumption Value by Region (2018-2023) & (USD Million)

Table 103. Asia-Pacific CVD Lab Grown Rough Diamonds Consumption Value by Region (2024-2029) & (USD Million)

Table 104. South America CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2023) & (Tons)

Table 105. South America CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2024-2029) & (Tons)

Table 106. South America CVD Lab Grown Rough Diamonds Sales Quantity by



Application (2018-2023) & (Tons)

Table 107. South America CVD Lab Grown Rough Diamonds Sales Quantity by Application (2024-2029) & (Tons)

Table 108. South America CVD Lab Grown Rough Diamonds Sales Quantity by Country (2018-2023) & (Tons)

Table 109. South America CVD Lab Grown Rough Diamonds Sales Quantity by Country (2024-2029) & (Tons)

Table 110. South America CVD Lab Grown Rough Diamonds Consumption Value by Country (2018-2023) & (USD Million)

Table 111. South America CVD Lab Grown Rough Diamonds Consumption Value by Country (2024-2029) & (USD Million)

Table 112. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2018-2023) & (Tons)

Table 113. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Clarity (2024-2029) & (Tons)

Table 114. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Application (2018-2023) & (Tons)

Table 115. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Application (2024-2029) & (Tons)

Table 116. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Region (2018-2023) & (Tons)

Table 117. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity by Region (2024-2029) & (Tons)

Table 118. Middle East & Africa CVD Lab Grown Rough Diamonds Consumption Value by Region (2018-2023) & (USD Million)

Table 119. Middle East & Africa CVD Lab Grown Rough Diamonds Consumption Value by Region (2024-2029) & (USD Million)

Table 120. CVD Lab Grown Rough Diamonds Raw Material

Table 121. Key Manufacturers of CVD Lab Grown Rough Diamonds Raw Materials

Table 122. CVD Lab Grown Rough Diamonds Typical Distributors

Table 123. CVD Lab Grown Rough Diamonds Typical Customers



List Of Figures

LIST OF FIGURES

Figure 1. CVD Lab Grown Rough Diamonds Picture

Figure 2. Global CVD Lab Grown Rough Diamonds Consumption Value by Clarity, (USD Million), 2018 & 2022 & 2029

Figure 3. Global CVD Lab Grown Rough Diamonds Consumption Value Market Share by Clarity in 2022

Figure 4. VVS Examples

Figure 5. VS Examples

Figure 6. SI Examples

Figure 7. Others Examples

Figure 8. Global CVD Lab Grown Rough Diamonds Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 9. Global CVD Lab Grown Rough Diamonds Consumption Value Market Share by Application in 2022

Figure 10. Gemstone Examples

Figure 11. Industrial Applications Examples

Figure 12. Global CVD Lab Grown Rough Diamonds Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 13. Global CVD Lab Grown Rough Diamonds Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 14. Global CVD Lab Grown Rough Diamonds Sales Quantity (2018-2029) & (Tons)

Figure 15. Global CVD Lab Grown Rough Diamonds Average Price (2018-2029) & (US\$/Ton)

Figure 16. Global CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Manufacturer in 2022

Figure 17. Global CVD Lab Grown Rough Diamonds Consumption Value Market Share by Manufacturer in 2022

Figure 18. Producer Shipments of CVD Lab Grown Rough Diamonds by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 19. Top 3 CVD Lab Grown Rough Diamonds Manufacturer (Consumption Value) Market Share in 2022

Figure 20. Top 6 CVD Lab Grown Rough Diamonds Manufacturer (Consumption Value) Market Share in 2022

Figure 21. Global CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Region (2018-2029)



Figure 22. Global CVD Lab Grown Rough Diamonds Consumption Value Market Share by Region (2018-2029)

Figure 23. North America CVD Lab Grown Rough Diamonds Consumption Value (2018-2029) & (USD Million)

Figure 24. Europe CVD Lab Grown Rough Diamonds Consumption Value (2018-2029) & (USD Million)

Figure 25. Asia-Pacific CVD Lab Grown Rough Diamonds Consumption Value (2018-2029) & (USD Million)

Figure 26. South America CVD Lab Grown Rough Diamonds Consumption Value (2018-2029) & (USD Million)

Figure 27. Middle East & Africa CVD Lab Grown Rough Diamonds Consumption Value (2018-2029) & (USD Million)

Figure 28. Global CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Clarity (2018-2029)

Figure 29. Global CVD Lab Grown Rough Diamonds Consumption Value Market Share by Clarity (2018-2029)

Figure 30. Global CVD Lab Grown Rough Diamonds Average Price by Clarity (2018-2029) & (US\$/Ton)

Figure 31. Global CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Application (2018-2029)

Figure 32. Global CVD Lab Grown Rough Diamonds Consumption Value Market Share by Application (2018-2029)

Figure 33. Global CVD Lab Grown Rough Diamonds Average Price by Application (2018-2029) & (US\$/Ton)

Figure 34. North America CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Clarity (2018-2029)

Figure 35. North America CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Application (2018-2029)

Figure 36. North America CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Country (2018-2029)

Figure 37. North America CVD Lab Grown Rough Diamonds Consumption Value Market Share by Country (2018-2029)

Figure 38. United States CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Canada CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Mexico CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Europe CVD Lab Grown Rough Diamonds Sales Quantity Market Share by



Clarity (2018-2029)

Figure 42. Europe CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Application (2018-2029)

Figure 43. Europe CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Country (2018-2029)

Figure 44. Europe CVD Lab Grown Rough Diamonds Consumption Value Market Share by Country (2018-2029)

Figure 45. Germany CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. France CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. United Kingdom CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Russia CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Italy CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Clarity (2018-2029)

Figure 51. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Application (2018-2029)

Figure 52. Asia-Pacific CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Region (2018-2029)

Figure 53. Asia-Pacific CVD Lab Grown Rough Diamonds Consumption Value Market Share by Region (2018-2029)

Figure 54. China CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Japan CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Korea CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. India CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Southeast Asia CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Australia CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. South America CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Clarity (2018-2029)



Figure 61. South America CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Application (2018-2029)

Figure 62. South America CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Country (2018-2029)

Figure 63. South America CVD Lab Grown Rough Diamonds Consumption Value Market Share by Country (2018-2029)

Figure 64. Brazil CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Argentina CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Clarity (2018-2029)

Figure 67. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Application (2018-2029)

Figure 68. Middle East & Africa CVD Lab Grown Rough Diamonds Sales Quantity Market Share by Region (2018-2029)

Figure 69. Middle East & Africa CVD Lab Grown Rough Diamonds Consumption Value Market Share by Region (2018-2029)

Figure 70. Turkey CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Egypt CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Saudi Arabia CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. South Africa CVD Lab Grown Rough Diamonds Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. CVD Lab Grown Rough Diamonds Market Drivers

Figure 75. CVD Lab Grown Rough Diamonds Market Restraints

Figure 76. CVD Lab Grown Rough Diamonds Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of CVD Lab Grown Rough Diamonds in 2022

Figure 79. Manufacturing Process Analysis of CVD Lab Grown Rough Diamonds

Figure 80. CVD Lab Grown Rough Diamonds Industrial Chain

Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source



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