

CVD Diamond Industry Research Report 2024

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Abstracts

This report studies the CVD Diamond market, CVD is an acronym for chemical vapor deposition. This means that a material is deposited from a gas onto a substrate and that chemical reactions are involved. CVD Diamond is a synthetic diamond prepared by CVD techniques. Generally, low pressure of CVD diamond is applied.

According to APO Research, The global CVD Diamond market was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Global CVD Diamond key players include Element Six, Ila Technologies, Sumitomo Electric, etc. Global top three manufacturers hold a share about 65%.

Europe is the largest market, with a share about 40%, followed by North America and Asia-Pacific, both have a share over 50 percent.

In terms of product, Rough is the largest segment, with a share over 60%. And in terms of application, the largest application is Machine & Cutting Tools, followed by Thermal Applications, Electrochemical Applications, Gem Segment, etc.

Report Scope

This report aims to provide a comprehensive presentation of the global market for CVD Diamond, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding CVD Diamond.

The report will help the CVD Diamond manufacturers, new entrants, and industry chain

related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The CVD Diamond market size, estimations, and forecasts are provided in terms of sales volume (K Carats) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global CVD Diamond market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Element Six

Ila Technologies

Sumitomo Electric

Morgan

ADT

SP3

Diamond Materials

Hebei Plasma

EDP

DDK

Beijing Worldia

Applied Diamond

Scio Diamond

Heyaru Group

BetterThanDiamond

Jingzuan

Huanghe Whirlwind

UniDiamond

CVD Diamond segment by Type

Rough

Polished

CVD Diamond segment by Application

Machine & Cutting Tools

Thermal Applications

Electrochemical Applications

Gem Segment

Others

CVD Diamond Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global CVD Diamond market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main

competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of CVD Diamond and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market

5. This report helps stakeholders to gain insights into which regions to target globally

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of CVD Diamond.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of CVD Diamond manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of CVD Diamond by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of CVD Diamond in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 CVD Diamond by Type
 - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.2.2 Rough
 - 2.2.3 Polished
- 2.3 CVD Diamond by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.3.2 Machine & Cutting Tools
 - 2.3.3 Thermal Applications
 - 2.3.4 Electrochemical Applications
 - 2.3.5 Gem Segment
 - 2.3.6 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global CVD Diamond Production Value Estimates and Forecasts (2019-2030)
 - 2.4.2 Global CVD Diamond Production Capacity Estimates and Forecasts (2019-2030)
 - 2.4.3 Global CVD Diamond Production Estimates and Forecasts (2019-2030)
 - 2.4.4 Global CVD Diamond Market Average Price (2019-2030)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global CVD Diamond Production by Manufacturers (2019-2024)
- 3.2 Global CVD Diamond Production Value by Manufacturers (2019-2024)
- 3.3 Global CVD Diamond Average Price by Manufacturers (2019-2024)
- 3.4 Global CVD Diamond Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

- 3.5 Global CVD Diamond Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global CVD Diamond Manufacturers, Product Type & Application
- 3.7 Global CVD Diamond Manufacturers, Date of Enter into This Industry
- 3.8 Global CVD Diamond Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 Element Six

- 4.1.1 Element Six CVD Diamond Company Information
- 4.1.2 Element Six CVD Diamond Business Overview
- 4.1.3 Element Six CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
- 4.1.4 Element Six Product Portfolio
- 4.1.5 Element Six Recent Developments

4.2 Ila Technologies

- 4.2.1 Ila Technologies CVD Diamond Company Information
- 4.2.2 Ila Technologies CVD Diamond Business Overview
- 4.2.3 Ila Technologies CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
- 4.2.4 Ila Technologies Product Portfolio
- 4.2.5 Ila Technologies Recent Developments

4.3 Sumitomo Electric

- 4.3.1 Sumitomo Electric CVD Diamond Company Information
- 4.3.2 Sumitomo Electric CVD Diamond Business Overview
- 4.3.3 Sumitomo Electric CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
- 4.3.4 Sumitomo Electric Product Portfolio
- 4.3.5 Sumitomo Electric Recent Developments

4.4 Morgan

- 4.4.1 Morgan CVD Diamond Company Information
- 4.4.2 Morgan CVD Diamond Business Overview
- 4.4.3 Morgan CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
- 4.4.4 Morgan Product Portfolio
- 4.4.5 Morgan Recent Developments

4.5 ADT

- 4.5.1 ADT CVD Diamond Company Information
- 4.5.2 ADT CVD Diamond Business Overview

- 4.5.3 ADT CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
- 4.5.4 ADT Product Portfolio
- 4.5.5 ADT Recent Developments
- 4.6 SP3
 - 4.6.1 SP3 CVD Diamond Company Information
 - 4.6.2 SP3 CVD Diamond Business Overview
 - 4.6.3 SP3 CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
 - 4.6.4 SP3 Product Portfolio
 - 4.6.5 SP3 Recent Developments
- 4.7 Diamond Materials
 - 4.7.1 Diamond Materials CVD Diamond Company Information
 - 4.7.2 Diamond Materials CVD Diamond Business Overview
 - 4.7.3 Diamond Materials CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
 - 4.7.4 Diamond Materials Product Portfolio
 - 4.7.5 Diamond Materials Recent Developments
- 4.8 Hebei Plasma
 - 4.8.1 Hebei Plasma CVD Diamond Company Information
 - 4.8.2 Hebei Plasma CVD Diamond Business Overview
 - 4.8.3 Hebei Plasma CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
 - 4.8.4 Hebei Plasma Product Portfolio
 - 4.8.5 Hebei Plasma Recent Developments
- 4.9 EDP
 - 4.9.1 EDP CVD Diamond Company Information
 - 4.9.2 EDP CVD Diamond Business Overview
 - 4.9.3 EDP CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
 - 4.9.4 EDP Product Portfolio
 - 4.9.5 EDP Recent Developments
- 4.10 DDK
 - 4.10.1 DDK CVD Diamond Company Information
 - 4.10.2 DDK CVD Diamond Business Overview
 - 4.10.3 DDK CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
 - 4.10.4 DDK Product Portfolio
 - 4.10.5 DDK Recent Developments
- 4.11 Beijing Worldia
 - 4.11.1 Beijing Worldia CVD Diamond Company Information
 - 4.11.2 Beijing Worldia CVD Diamond Business Overview
 - 4.11.3 Beijing Worldia CVD Diamond Production Capacity, Value and Gross Margin

(2019-2024)

4.11.4 Beijing Worldia Product Portfolio

4.11.5 Beijing Worldia Recent Developments

4.12 Applied Diamond

4.12.1 Applied Diamond CVD Diamond Company Information

4.12.2 Applied Diamond CVD Diamond Business Overview

4.12.3 Applied Diamond CVD Diamond Production Capacity, Value and Gross Margin

(2019-2024)

4.12.4 Applied Diamond Product Portfolio

4.12.5 Applied Diamond Recent Developments

4.13 Scio Diamond

4.13.1 Scio Diamond CVD Diamond Company Information

4.13.2 Scio Diamond CVD Diamond Business Overview

4.13.3 Scio Diamond CVD Diamond Production Capacity, Value and Gross Margin

(2019-2024)

4.13.4 Scio Diamond Product Portfolio

4.13.5 Scio Diamond Recent Developments

4.14 Heyaru Group

4.14.1 Heyaru Group CVD Diamond Company Information

4.14.2 Heyaru Group CVD Diamond Business Overview

4.14.3 Heyaru Group CVD Diamond Production Capacity, Value and Gross Margin

(2019-2024)

4.14.4 Heyaru Group Product Portfolio

4.14.5 Heyaru Group Recent Developments

4.15 BetterThanDiamond

4.15.1 BetterThanDiamond CVD Diamond Company Information

4.15.2 BetterThanDiamond CVD Diamond Business Overview

4.15.3 BetterThanDiamond CVD Diamond Production Capacity, Value and Gross

Margin (2019-2024)

4.15.4 BetterThanDiamond Product Portfolio

4.15.5 BetterThanDiamond Recent Developments

4.16 Jingzuan

4.16.1 Jingzuan CVD Diamond Company Information

4.16.2 Jingzuan CVD Diamond Business Overview

4.16.3 Jingzuan CVD Diamond Production Capacity, Value and Gross Margin

(2019-2024)

4.16.4 Jingzuan Product Portfolio

4.16.5 Jingzuan Recent Developments

4.17 Huanghe Whirlwind

- 4.17.1 Huanghe Whirlwind CVD Diamond Company Information
- 4.17.2 Huanghe Whirlwind CVD Diamond Business Overview
- 4.17.3 Huanghe Whirlwind CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
- 4.17.4 Huanghe Whirlwind Product Portfolio
- 4.17.5 Huanghe Whirlwind Recent Developments
- 4.18 UniDiamond
 - 4.18.1 UniDiamond CVD Diamond Company Information
 - 4.18.2 UniDiamond CVD Diamond Business Overview
 - 4.18.3 UniDiamond CVD Diamond Production Capacity, Value and Gross Margin (2019-2024)
 - 4.18.4 UniDiamond Product Portfolio
 - 4.18.5 UniDiamond Recent Developments

5 GLOBAL CVD DIAMOND PRODUCTION BY REGION

- 5.1 Global CVD Diamond Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.2 Global CVD Diamond Production by Region: 2019-2030
 - 5.2.1 Global CVD Diamond Production by Region: 2019-2024
 - 5.2.2 Global CVD Diamond Production Forecast by Region (2025-2030)
- 5.3 Global CVD Diamond Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.4 Global CVD Diamond Production Value by Region: 2019-2030
 - 5.4.1 Global CVD Diamond Production Value by Region: 2019-2024
 - 5.4.2 Global CVD Diamond Production Value Forecast by Region (2025-2030)
- 5.5 Global CVD Diamond Market Price Analysis by Region (2019-2024)
- 5.6 Global CVD Diamond Production and Value, YOY Growth
 - 5.6.1 North America CVD Diamond Production Value Estimates and Forecasts (2019-2030)
 - 5.6.2 Europe CVD Diamond Production Value Estimates and Forecasts (2019-2030)
 - 5.6.3 China CVD Diamond Production Value Estimates and Forecasts (2019-2030)
 - 5.6.4 Japan CVD Diamond Production Value Estimates and Forecasts (2019-2030)
 - 5.6.5 Southeast Asia CVD Diamond Production Value Estimates and Forecasts (2019-2030)
 - 5.6.6 India CVD Diamond Production Value Estimates and Forecasts (2019-2030)

6 GLOBAL CVD DIAMOND CONSUMPTION BY REGION

6.1 Global CVD Diamond Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

6.2 Global CVD Diamond Consumption by Region (2019-2030)

6.2.1 Global CVD Diamond Consumption by Region: 2019-2030

6.2.2 Global CVD Diamond Forecasted Consumption by Region (2025-2030)

6.3 North America

6.3.1 North America CVD Diamond Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.3.2 North America CVD Diamond Consumption by Country (2019-2030)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe CVD Diamond Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe CVD Diamond Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific CVD Diamond Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.5.2 Asia Pacific CVD Diamond Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa CVD Diamond Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa CVD Diamond Consumption by Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY TYPE

7.1 Global CVD Diamond Production by Type (2019-2030)

7.1.1 Global CVD Diamond Production by Type (2019-2030) & (K Carats)

7.1.2 Global CVD Diamond Production Market Share by Type (2019-2030)

7.2 Global CVD Diamond Production Value by Type (2019-2030)

7.2.1 Global CVD Diamond Production Value by Type (2019-2030) & (US\$ Million)

7.2.2 Global CVD Diamond Production Value Market Share by Type (2019-2030)

7.3 Global CVD Diamond Price by Type (2019-2030)

8 SEGMENT BY APPLICATION

8.1 Global CVD Diamond Production by Application (2019-2030)

8.1.1 Global CVD Diamond Production by Application (2019-2030) & (K Carats)

8.1.2 Global CVD Diamond Production by Application (2019-2030) & (K Carats)

8.2 Global CVD Diamond Production Value by Application (2019-2030)

8.2.1 Global CVD Diamond Production Value by Application (2019-2030) & (US\$ Million)

8.2.2 Global CVD Diamond Production Value Market Share by Application (2019-2030)

8.3 Global CVD Diamond Price by Application (2019-2030)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 CVD Diamond Value Chain Analysis

9.1.1 CVD Diamond Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 CVD Diamond Production Mode & Process

9.2 CVD Diamond Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 CVD Diamond Distributors

9.2.3 CVD Diamond Customers

10 GLOBAL CVD DIAMOND ANALYZING MARKET DYNAMICS

10.1 CVD Diamond Industry Trends

10.2 CVD Diamond Industry Drivers

10.3 CVD Diamond Industry Opportunities and Challenges

10.4 CVD Diamond Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

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