

Global Industrial Diamond Market Size Study, by Product Type (Natural, Synthetic), by End Use Industry (Mining, Oil & Gas, Construction, Chemical, Electronics, Others) and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/GB240A0E3701EN.html>

Date: May 2021

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GB240A0E3701EN

Abstracts

Global Industrial Diamond Market is valued approximately USD 1.90 Billion in 2020 and is anticipated to grow with a healthy growth rate of more than 2.8 % over the forecast period 2021-2027. Industrial diamond is any diamond which is designated to be used in industrial purposes viz. cutting tool or abrasive. These Diamonds are not properly formed have flaws and are irregular in shape. For industrial applications, synthetic or laboratory-grown products have significantly higher penetration. The application is mainly as an abrasive, and its demand in sectors such as metal machining, construction, and exploratory drilling has been increasing for the past decade. There was a slight reduction in the production of diamond amid the pandemic down to 1.5% from 145 million in the year 2019. Rio Tinto a leading global mining group forecasts for 12 to 14 million carats compared to 17 million carats in 2019. Another Russian group of diamond mining namely, Alrosa also recommended a reduction in the production of diamonds for the year 2020, a reduction of more than 4 million carats. Initial Expectations are that the production will further reduce down to 133 million carats due to mines operating at reduced capacity. If the situation continues to worsen it will lead to deterioration of the industry and more drop in the growth rate can be expected. The revival of the construction sector in developed economies such that North America, Middle East and Asia Pacific where projects such as 'Smart City Mission' and 'Housing for All', are likely to drive the product demand over the forecast period. In construction, it is mainly used in applications such as hand sawing, wire sawing, and coring. The growth of construction activities in developing countries should benefit the growth of the segment. In the union budget of 2018-19, the Indian government allocated

USD 92.2 billion to push the infrastructure sector, which in turn will help boost the overall market development. Moreover, the growing demand for super abrasives for grinding, cutting, dressing, and drilling tools is expected to drive the market's growth. Synthetic diamonds price is comparatively lower than that of natural diamonds. Industrial diamond uses are several, and industrial quality diamonds are gaining traction owing to the demand for optical devices. Reduction in industrial diamond prices is also driving market demand. Growing Demand for Polished Diamonds from the Electronics Industry The usage of synthetic diamonds in the electronics industry has been increasing due to their ability to act as a heat sink. Synthetic diamond prevents silicon and other semiconductor materials from overheating, and thus, it has become a critical heat-enabling technology. The demand is expected to increase during the forecast period, as semiconductors have become more embedded in the ever-increasing product number, from cars to coffee makers, and nascent technologies, such as artificial intelligence, virtual reality, and the Internet of Things (IoT). Synthetic diamond is unmatched in its ability to diffuse heat. When used as a semiconductor, synthetic diamond is used to manufacture smaller and more powerful electronics, thereby increasing its usage in radio frequency (RFs) and power device types. Moreover, due to the high refractive index of the diamond, it is used in telecommunication information transmissions, as it minimizes the information loss during high-level-security signal transmission. It also increases the transmission capacity. Total global production by the electronics and IT industries was valued at about USD 2,930 billion in 2019, which is anticipated to grow further and, in turn, stimulates the market demand for synthetic diamonds. This increasing usage of semiconductors by various end-users is expected to boost the demand for synthetic diamonds from the electronics industry during the forecast period. The high cost is a major factor hampering the demand of industrial diamond and restrain the growth of the target market over the forecast period. In addition, availability of substitutes may also hamper the demand and restrain the growth of the target market during the forecast period. The introduction of laboratory-grown counterparts for jewelry applications. The industry offers numerous growth opportunities. Experts also believe that increase in the adoption of science for research in emerging nations would be a key development area for the industry.

North America is expected to grow at a rapid speed, with the U.S. leading and occupying the larger global share. The country is among the largest producers as well as consumers of synthetic diamonds. It is estimated that the nations require to spend USD 4.5 trillion to enhance their state of roads, dams, bridges, airports, and schools. This will likely boost the industry share in the North American region. The Asia Pacific region held the largest global share owing to the availability of cheaper land and low cost of labor. China is the largest producer of synthetic diamonds and is anticipated to

maintain dominance in the sector. The growth of the construction sector is driving the demand in India, China, Japan, and South Korea. The growth in the emerging economies, particularly China, and India is expected to influence the demand in the region. By Chinese industry estimates, the nation has been producing more than 10 billion carats of diamond every year for almost a decade, most of them which have gone to industrial use, such as in oil rigs, abrasives, or high-tech applications in aeronautics and electronics.

Major market player included in this report are:

Applied Diamond Inc.

Industrial Abrasives Limited

Advanced Diamond Solutions Inc.

Diamond Technologies Inc.

Hebei Plasma Diamond

Diamonex

Morgan Technical Ceramics

Scio Diamond Technology Corporation

Novatek

Worldwide Diamond Manufacturers Pvt. Ltd.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

On the basis of product type

Natural

Synthetic

On the basis of end-use industry

Mining

Oil & Gas

Construction

Chemical

Electronics
Others (Aerospace, Defense, Automotive etc.)

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Industrial Diamond Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
 - 1.2.1. Global Industrial Diamond Market by Region, 2019-2027 (USD Billion)
 - 1.2.2. Global Industrial Diamond Market by Product Type, 2019-2027 (USD Billion)
 - 1.2.3. Global Industrial Diamond Market by End Use Industry, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL INDUSTRIAL DIAMOND MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL INDUSTRIAL DIAMOND MARKET DYNAMICS

- 3.1. Global Industrial Diamond Market Impact Analysis (2019-2027)
 - 3.1.1. Market Drivers
 - 3.1.1.1 The revival of the construction sector in developed economies
 - 3.1.1.2 Synthetic diamonds price is comparatively lower than that of natural diamonds.
 - 3.1.1.3 Growing Demand for Polished Diamonds from the Electronics Industry
 - 3.1.2. Market Challenges
 - 3.1.2.1 The growth of the market is threatened by the presence of cheaper substitutes
 - 3.1.3. Market Opportunities
 - 3.1.3.1 The introduction of laboratory-grown counterparts for jewellery applications.

CHAPTER 4. GLOBAL INDUSTRIAL DIAMOND MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL INDUSTRIAL DIAMOND MARKET BY PRODUCT TYPE

- 5.1. Market Snapshot
- 5.2. Global Industrial Diamond Market by Product Type, Performance - Potential Analysis
- 5.3. Global Industrial Diamond Market Estimates & Forecasts by Service 2018-2027 (USD Billion)
- 5.4. Global Industrial Diamond Market Sub Segment Analysis
 - 5.4.1. Natural
 - 5.4.2. Synthetic

CHAPTER 6. GLOBAL INDUSTRIAL DIAMOND MARKET BY END USE INDUSTRY

- 6.1. Market Snapshot
- 6.2. Global Industrial Diamond Market by End use Industry, Performance - Potential Analysis
- 6.3. Global Industrial Diamond Market Estimates & Forecasts by End use Industry 2018-2027 (USD Billion)
- 6.4. Global Industrial Diamond Market , Sub Segment Analysis
 - 6.4.1. Mining
 - 6.4.2. Oil & Gas
 - 6.4.3. Construction
 - 6.4.4. Chemical
 - 6.4.5. Electronics
 - 6.4.6. Others (Aerospace, Defence, Automotive etc.)

CHAPTER 7. GLOBAL INDUSTRIAL DIAMOND MARKET, REGIONAL ANALYSIS

- 7.1. Global Industrial Diamond Market, Regional Market Snapshot
- 7.2. North America Global Industrial Diamond Market
 - 7.2.1. U.S. Global Industrial Diamond Market
 - 7.2.1.1. Service breakdown estimates & forecasts, 2018-2027
 - 7.2.1.2. End use Industry breakdown estimates & forecasts, 2018-2027
 - 7.2.2. Canada Global Industrial Diamond Market
- 7.3. Europe Global Industrial Diamond Market Snapshot
 - 7.3.1. U.K. Global Industrial Diamond Market
 - 7.3.2. Germany Global Industrial Diamond Market
 - 7.3.3. France Global Industrial Diamond Market
 - 7.3.4. Spain Global Industrial Diamond Market
 - 7.3.5. Italy Global Industrial Diamond Market
 - 7.3.6. Rest of Europe Global Industrial Diamond Market
- 7.4. Asia-Pacific Global Industrial Diamond Market Snapshot
 - 7.4.1. China Global Industrial Diamond Market
 - 7.4.2. India Global Industrial Diamond Market
 - 7.4.3. Japan Global Industrial Diamond Market
 - 7.4.4. Australia Global Industrial Diamond Market
 - 7.4.5. South Korea Global Industrial Diamond Market
 - 7.4.6. Rest of Asia Pacific Global Industrial Diamond Market
- 7.5. Latin America Global Industrial Diamond Market Snapshot
 - 7.5.1. Brazil Global Industrial Diamond Market
 - 7.5.2. Mexico Global Industrial Diamond Market
- 7.6. Rest of The World Global Industrial Diamond Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Company Profiles.
 - 8.2.1. Applied Diamond Inc
 - 8.2.1.1. Key Information
 - 8.2.1.2. Overview
 - 8.2.1.3. Financial (Subject to Data Availability)
 - 8.2.1.4. Product Summary
 - 8.2.1.5. Recent Developments
 - 8.2.2. Industrial Abrasives Limited

- 8.2.3. Advanced Diamond Solutions Inc.
- 8.2.4. Diamond Technologies Inc.
- 8.2.5. Hebei Plasma Diamond
- 8.2.6. Diamonex
- 8.2.7. Morgan Technical Ceramics
- 8.2.8. Scio Diamond Technology Corporation
- 8.2.9. Novatek
- 8.2.10. Worldwide Diamond Manufacturers Pvt. Ltd.

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Industrial Diamond Market , report scope

TABLE 2. Global Industrial Diamond Market estimates & forecasts by Region
2018-2027 (USD Billion)

TABLE 3. Global Industrial Diamond Market estimates & forecasts by Service
2018-2027 (USD Billion)

TABLE 4. Global Industrial Diamond Market estimates & forecasts by End use Industry
2018-2027 (USD Billion)

TABLE 5. Global Industrial Diamond Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 6. Global Industrial Diamond Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 7. Global Industrial Diamond Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 8. Global Industrial Diamond Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 9. Global Industrial Diamond Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 10. Global Industrial Diamond Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 11. Global Industrial Diamond Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 12. Global Industrial Diamond Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 13. Global Industrial Diamond Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 14. Global Industrial Diamond Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 15. U.S. Global Industrial Diamond Market estimates & forecasts, 2018-2027
(USD Billion)

TABLE 16. U.S. Global Industrial Diamond Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 17. U.S. Global Industrial Diamond Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 18. Canada Global Industrial Diamond Market estimates & forecasts, 2018-2027
(USD Billion)

TABLE 19. Canada Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 20. Canada Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 21. UK Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. UK Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 23. UK Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 24. Germany Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 25. Germany Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 26. Germany Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 27. RoE Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 28. RoE Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 29. RoE Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 30. China Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 31. China Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 32. China Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 33. India Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 34. India Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 35. India Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 36. Japan Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 1. Japan Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 2. Japan Global Industrial Diamond Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 3. RoAPAC Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 4. RoAPAC Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 5. RoAPAC Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 6. Brazil Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 7. Brazil Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 8. Brazil Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 9. Mexico Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 10. Mexico Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 11. Mexico Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 12. RoLA Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 13. RoLA Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 14. RoLA Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 15. Row Global Industrial Diamond Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 16. Row Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 17. Row Global Industrial Diamond Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 18. List of secondary sources, used in the study of Global Industrial Diamond Market

TABLE 19. List of primary sources, used in the study of Global Industrial Diamond Market

TABLE 20. Years considered for the study

TABLE 21. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Industrial Diamond Market , research methodology
- FIG 2. Global Industrial Diamond Market , market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Industrial Diamond Market , key trends 2020
- FIG 5. Global Industrial Diamond Market , growth prospects 2021-2027
- FIG 6. Global Industrial Diamond Market , porters 5 force model
- FIG 7. Global Industrial Diamond Market , pest analysis
- FIG 8. Global Industrial Diamond Market , value chain analysis
- FIG 9. Global Industrial Diamond Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Industrial Diamond Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Industrial Diamond Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Industrial Diamond Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Industrial Diamond Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Industrial Diamond Market , regional snapshot 2018 & 2027
- FIG 15. North America Global Industrial Diamond Market 2018 & 2027 (USD Billion)
- FIG 16. Europe Global Industrial Diamond Market 2018 & 2027 (USD Billion)
- FIG 17. Asia pacific Global Industrial Diamond Market 2018 & 2027 (USD Billion)
- FIG 18. Latin America Global Industrial Diamond Market 2018 & 2027 (USD Billion)
- FIG 19. Global Industrial Diamond Market , company market share analysis (2020)

I would like to order

Product name: Global Industrial Diamond Market Size Study, by Product Type (Natural, Synthetic), by End Use Industry (Mining, Oil & Gas, Construction, Chemical, Electronics, Others) and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/GB240A0E3701EN.html>

Price: US\$ 4,950.00 (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/GB240A0E3701EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970