

# Global Nitrogen Vacancy Diamond Market Growth 2026-2032

<https://marketpublishers.com/r/G1DF9ADF8923EN.html>

Date: May 2026

Pages: 82

Price: US\$ 3,660.00 (Single User License)

ID: G1DF9ADF8923EN

## Abstracts

The global Nitrogen Vacancy Diamond market size is predicted to grow from US\$ 266 million in 2025 to US\$ 535 million in 2032; it is expected to grow at a CAGR of 10.2% from 2026 to 2032.

In 2025, global output reached 85 thousand wafers, with an average selling price of 3200 USD per wafer, production capacity of 100 thousand wafers, and a gross margin of 48%.

Nitrogen vacancy diamond refers to diamond material containing nitrogen-vacancy (NV) centers—point defects formed by a nitrogen atom adjacent to a lattice vacancy. These materials enable optical readout and quantum state manipulation at room temperature and are widely used in quantum sensing, quantum information processing, magnetic imaging, and precision measurement.

Upstream mainly includes suppliers of high-purity carbon source gases, nitrogen doping gases, CVD diamond growth equipment, and crystal processing consumables. Midstream consists of NV diamond material manufacturers and defect engineering companies, while downstream comprises quantum sensor manufacturers, quantum computing hardware firms, and research institutes serving applications such as magnetic sensing, bio-imaging, navigation, and quantum information technologies.

United States market for Nitrogen Vacancy Diamond is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Nitrogen Vacancy Diamond is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Nitrogen Vacancy Diamond is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Nitrogen Vacancy Diamond players cover Element Six, Quantum Brilliance, Adamas, Great Lakes Crystal Technologies, Inc., DIATOPE GmbH, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Nitrogen Vacancy Diamond Industry Forecast" looks at past sales and reviews total world Nitrogen Vacancy Diamond sales in 2025, providing a comprehensive analysis by region and market sector of projected Nitrogen Vacancy Diamond sales for 2026 through 2032. With Nitrogen Vacancy Diamond sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Nitrogen Vacancy Diamond industry.

This Insight Report provides a comprehensive analysis of the global Nitrogen Vacancy Diamond landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Nitrogen Vacancy Diamond portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Nitrogen Vacancy Diamond market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nitrogen Vacancy Diamond and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Nitrogen Vacancy Diamond.

This report presents a comprehensive overview, market shares, and growth opportunities of Nitrogen Vacancy Diamond market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Nanodiamond

Single-crystal Diamond

Segmentation by Fabrication Method:

CVD Diamond

HPHT Diamond

Segmentation by NV Center Type:

NV<sup>0</sup> Center Diamond

NV<sup>+</sup> Center Diamond

Segmentation by NV Center Concentration:

Low-density NV Diamond

High-density NV Diamond

Segmentation by Application:

Quantum Demonstrations

Masers

Detection of RF Radiation

Gyroscopes

Sensing

Others

This report also splits the market by region:

### Americas

United States

Canada

Mexico

Brazil

### APAC

China

Japan

Korea

Southeast Asia

India

Australia

### Europe

Germany

France

UK

Italy

Russia

### Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Element Six

Quantum Brilliance

Ad?mas

Great Lakes Crystal Technologies, Inc.

DIATOPE GmbH

Key Questions Addressed in this Report

What is the 10-year outlook for the global Nitrogen Vacancy Diamond market?

What factors are driving Nitrogen Vacancy Diamond market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Nitrogen Vacancy Diamond market opportunities vary by end market size?

How does Nitrogen Vacancy Diamond break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Nitrogen Vacancy Diamond Annual Sales 2021-2032

- 2.1.2 World Current & Future Analysis for Nitrogen Vacancy Diamond by Geographic Region, 2021, 2025 & 2032

- 2.1.3 World Current & Future Analysis for Nitrogen Vacancy Diamond by Country/Region, 2021, 2025 & 2032

#### 2.2 Nitrogen Vacancy Diamond Segment by Type

- 2.2.1 Nanodiamond

- 2.2.2 Single-crystal Diamond

- 2.2.3 Nitrogen Vacancy Diamond Sales by Type

- 2.2.3.1 Global Nitrogen Vacancy Diamond Sales Market Share by Type (2021-2026)

- 2.2.3.2 Global Nitrogen Vacancy Diamond Revenue and Market Share by Type (2021-2026)

- 2.2.3.3 Global Nitrogen Vacancy Diamond Sale Price by Type (2021-2026)

#### 2.3 Nitrogen Vacancy Diamond Segment by Fabrication Method

- 2.3.1 CVD Diamond

- 2.3.2 HPHT Diamond

- 2.3.3 Nitrogen Vacancy Diamond Sales by Fabrication Method

- 2.3.3.1 Global Nitrogen Vacancy Diamond Sales Market Share by Fabrication Method (2021-2026)

- 2.3.3.2 Global Nitrogen Vacancy Diamond Revenue and Market Share by Fabrication Method (2021-2026)

- 2.3.3.3 Global Nitrogen Vacancy Diamond Sale Price by Fabrication Method (2021-2026)

## 2.4 Nitrogen Vacancy Diamond Segment by NV Center Type

### 2.4.1 NV? Center Diamond

### 2.4.2 NV? Center Diamond

### 2.4.3 Nitrogen Vacancy Diamond Sales by NV Center Type

2.4.3.1 Global Nitrogen Vacancy Diamond Sales Market Share by NV Center Type (2021-2026)

2.4.3.2 Global Nitrogen Vacancy Diamond Revenue and Market Share by NV Center Type (2021-2026)

2.4.3.3 Global Nitrogen Vacancy Diamond Sale Price by NV Center Type (2021-2026)

## 2.5 Nitrogen Vacancy Diamond Segment by NV Center Concentration

### 2.5.1 Low-density NV Diamond

### 2.5.2 High-density NV Diamond

### 2.5.3 Nitrogen Vacancy Diamond Sales by NV Center Concentration

2.5.3.1 Global Nitrogen Vacancy Diamond Sales Market Share by NV Center Concentration (2021-2026)

2.5.3.2 Global Nitrogen Vacancy Diamond Revenue and Market Share by NV Center Concentration (2021-2026)

2.5.3.3 Global Nitrogen Vacancy Diamond Sale Price by NV Center Concentration (2021-2026)

## 2.6 Nitrogen Vacancy Diamond Segment by Application

### 2.6.1 Quantum Demonstrations

### 2.6.2 Masers

### 2.6.3 Detection of RF Radiation

### 2.6.4 Gyroscopes

### 2.6.5 Sensing

### 2.6.6 Others

### 2.6.7 Nitrogen Vacancy Diamond Sales by Application

2.6.7.1 Global Nitrogen Vacancy Diamond Sale Market Share by Application (2021-2026)

2.6.7.2 Global Nitrogen Vacancy Diamond Revenue and Market Share by Application (2021-2026)

2.6.7.3 Global Nitrogen Vacancy Diamond Sale Price by Application (2021-2026)

## **3 GLOBAL BY COMPANY**

### 3.1 Global Nitrogen Vacancy Diamond Breakdown Data by Company

#### 3.1.1 Global Nitrogen Vacancy Diamond Annual Sales by Company (2021-2026)

#### 3.1.2 Global Nitrogen Vacancy Diamond Sales Market Share by Company

(2021-2026)

3.2 Global Nitrogen Vacancy Diamond Annual Revenue by Company (2021-2026)

3.2.1 Global Nitrogen Vacancy Diamond Revenue by Company (2021-2026)

3.2.2 Global Nitrogen Vacancy Diamond Revenue Market Share by Company

(2021-2026)

3.3 Global Nitrogen Vacancy Diamond Sale Price by Company

3.4 Key Manufacturers Nitrogen Vacancy Diamond Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Nitrogen Vacancy Diamond Product Location Distribution

3.4.2 Players Nitrogen Vacancy Diamond Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

## **4 WORLD HISTORIC REVIEW FOR NITROGEN VACANCY DIAMOND BY GEOGRAPHIC REGION**

4.1 World Historic Nitrogen Vacancy Diamond Market Size by Geographic Region (2021-2026)

4.1.1 Global Nitrogen Vacancy Diamond Annual Sales by Geographic Region

(2021-2026)

4.1.2 Global Nitrogen Vacancy Diamond Annual Revenue by Geographic Region

(2021-2026)

4.2 World Historic Nitrogen Vacancy Diamond Market Size by Country/Region (2021-2026)

4.2.1 Global Nitrogen Vacancy Diamond Annual Sales by Country/Region (2021-2026)

4.2.2 Global Nitrogen Vacancy Diamond Annual Revenue by Country/Region

(2021-2026)

4.3 Americas Nitrogen Vacancy Diamond Sales Growth

4.4 APAC Nitrogen Vacancy Diamond Sales Growth

4.5 Europe Nitrogen Vacancy Diamond Sales Growth

4.6 Middle East & Africa Nitrogen Vacancy Diamond Sales Growth

## **5 AMERICAS**

5.1 Americas Nitrogen Vacancy Diamond Sales by Country

5.1.1 Americas Nitrogen Vacancy Diamond Sales by Country (2021-2026)

- 5.1.2 Americas Nitrogen Vacancy Diamond Revenue by Country (2021-2026)
- 5.2 Americas Nitrogen Vacancy Diamond Sales by Type (2021-2026)
- 5.3 Americas Nitrogen Vacancy Diamond Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Nitrogen Vacancy Diamond Sales by Region
  - 6.1.1 APAC Nitrogen Vacancy Diamond Sales by Region (2021-2026)
  - 6.1.2 APAC Nitrogen Vacancy Diamond Revenue by Region (2021-2026)
- 6.2 APAC Nitrogen Vacancy Diamond Sales by Type (2021-2026)
- 6.3 APAC Nitrogen Vacancy Diamond Sales by Application (2021-2026)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe Nitrogen Vacancy Diamond by Country
  - 7.1.1 Europe Nitrogen Vacancy Diamond Sales by Country (2021-2026)
  - 7.1.2 Europe Nitrogen Vacancy Diamond Revenue by Country (2021-2026)
- 7.2 Europe Nitrogen Vacancy Diamond Sales by Type (2021-2026)
- 7.3 Europe Nitrogen Vacancy Diamond Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Nitrogen Vacancy Diamond by Country

- 8.1.1 Middle East & Africa Nitrogen Vacancy Diamond Sales by Country (2021-2026)
- 8.1.2 Middle East & Africa Nitrogen Vacancy Diamond Revenue by Country (2021-2026)
- 8.2 Middle East & Africa Nitrogen Vacancy Diamond Sales by Type (2021-2026)
- 8.3 Middle East & Africa Nitrogen Vacancy Diamond Sales by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Nitrogen Vacancy Diamond
- 10.3 Manufacturing Process Analysis of Nitrogen Vacancy Diamond
- 10.4 Industry Chain Structure of Nitrogen Vacancy Diamond

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Nitrogen Vacancy Diamond Distributors
- 11.3 Nitrogen Vacancy Diamond Customer

## **12 WORLD FORECAST REVIEW FOR NITROGEN VACANCY DIAMOND BY GEOGRAPHIC REGION**

- 12.1 Global Nitrogen Vacancy Diamond Market Size Forecast by Region
  - 12.1.1 Global Nitrogen Vacancy Diamond Forecast by Region (2027-2032)
  - 12.1.2 Global Nitrogen Vacancy Diamond Annual Revenue Forecast by Region (2027-2032)

- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global Nitrogen Vacancy Diamond Forecast by Type (2027-2032)
- 12.7 Global Nitrogen Vacancy Diamond Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Element Six

- 13.1.1 Element Six Company Information
- 13.1.2 Element Six Nitrogen Vacancy Diamond Product Portfolios and Specifications
- 13.1.3 Element Six Nitrogen Vacancy Diamond Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.1.4 Element Six Main Business Overview
- 13.1.5 Element Six Latest Developments

### 13.2 Quantum Brilliance

- 13.2.1 Quantum Brilliance Company Information
- 13.2.2 Quantum Brilliance Nitrogen Vacancy Diamond Product Portfolios and Specifications
- 13.2.3 Quantum Brilliance Nitrogen Vacancy Diamond Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.2.4 Quantum Brilliance Main Business Overview
- 13.2.5 Quantum Brilliance Latest Developments

### 13.3 Ad?mas

- 13.3.1 Ad?mas Company Information
- 13.3.2 Ad?mas Nitrogen Vacancy Diamond Product Portfolios and Specifications
- 13.3.3 Ad?mas Nitrogen Vacancy Diamond Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.3.4 Ad?mas Main Business Overview
- 13.3.5 Ad?mas Latest Developments

### 13.4 Great Lakes Crystal Technologies, Inc.

- 13.4.1 Great Lakes Crystal Technologies, Inc. Company Information
- 13.4.2 Great Lakes Crystal Technologies, Inc. Nitrogen Vacancy Diamond Product Portfolios and Specifications
- 13.4.3 Great Lakes Crystal Technologies, Inc. Nitrogen Vacancy Diamond Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.4.4 Great Lakes Crystal Technologies, Inc. Main Business Overview
- 13.4.5 Great Lakes Crystal Technologies, Inc. Latest Developments

## 13.5 DIATOPE GmbH

13.5.1 DIATOPE GmbH Company Information

13.5.2 DIATOPE GmbH Nitrogen Vacancy Diamond Product Portfolios and Specifications

13.5.3 DIATOPE GmbH Nitrogen Vacancy Diamond Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 DIATOPE GmbH Main Business Overview

13.5.5 DIATOPE GmbH Latest Developments

## 14 RESEARCH FINDINGS AND CONCLUSION

## List Of Tables

### LIST OF TABLES

Table 1. Nitrogen Vacancy Diamond Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Nitrogen Vacancy Diamond Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Nanodiamond

Table 4. Major Players of Single-crystal Diamond

Table 5. Global Nitrogen Vacancy Diamond Sales by Type (2021-2026) & (K Pcs)

Table 6. Global Nitrogen Vacancy Diamond Sales Market Share by Type (2021-2026)

Table 7. Global Nitrogen Vacancy Diamond Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Nitrogen Vacancy Diamond Revenue Market Share by Type (2021-2026)

Table 9. Global Nitrogen Vacancy Diamond Sale Price by Type (2021-2026) & (US\$/Pc)

Table 10. Major Players of CVD Diamond

Table 11. Major Players of HPHT Diamond

Table 12. Global Nitrogen Vacancy Diamond Sales by Fabrication Method (2021-2026) & (K Pcs)

Table 13. Global Nitrogen Vacancy Diamond Sales Market Share by Fabrication Method (2021-2026)

Table 14. Global Nitrogen Vacancy Diamond Revenue by Fabrication Method (2021-2026) & (\$ million)

Table 15. Global Nitrogen Vacancy Diamond Revenue Market Share by Fabrication Method (2021-2026)

Table 16. Global Nitrogen Vacancy Diamond Sale Price by Fabrication Method (2021-2026) & (US\$/Pc)

Table 17. Major Players of NV? Center Diamond

Table 18. Major Players of NV? Center Diamond

Table 19. Global Nitrogen Vacancy Diamond Sales by NV Center Type (2021-2026) & (K Pcs)

Table 20. Global Nitrogen Vacancy Diamond Sales Market Share by NV Center Type (2021-2026)

Table 21. Global Nitrogen Vacancy Diamond Revenue by NV Center Type (2021-2026) & (\$ million)

Table 22. Global Nitrogen Vacancy Diamond Revenue Market Share by NV Center Type (2021-2026)

Table 23. Global Nitrogen Vacancy Diamond Sale Price by NV Center Type

(2021-2026) & (US\$/Pc)

Table 24. Major Players of Low-density NV Diamond

Table 25. Major Players of High-density NV Diamond

Table 26. Global Nitrogen Vacancy Diamond Sales by NV Center Concentration

(2021-2026) & (K Pcs)

Table 27. Global Nitrogen Vacancy Diamond Sales Market Share by NV Center Concentration (2021-2026)

Table 28. Global Nitrogen Vacancy Diamond Revenue by NV Center Concentration (2021-2026) & (\$ million)

Table 29. Global Nitrogen Vacancy Diamond Revenue Market Share by NV Center Concentration (2021-2026)

Table 30. Global Nitrogen Vacancy Diamond Sale Price by NV Center Concentration (2021-2026) & (US\$/Pc)

Table 31. Global Nitrogen Vacancy Diamond Sale by Application (2021-2026) & (K Pcs)

Table 32. Global Nitrogen Vacancy Diamond Sale Market Share by Application (2021-2026)

Table 33. Global Nitrogen Vacancy Diamond Revenue by Application (2021-2026) & (\$ million)

Table 34. Global Nitrogen Vacancy Diamond Revenue Market Share by Application (2021-2026)

Table 35. Global Nitrogen Vacancy Diamond Sale Price by Application (2021-2026) & (US\$/Pc)

Table 36. Global Nitrogen Vacancy Diamond Sales by Company (2021-2026) & (K Pcs)

Table 37. Global Nitrogen Vacancy Diamond Sales Market Share by Company (2021-2026)

Table 38. Global Nitrogen Vacancy Diamond Revenue by Company (2021-2026) & (\$ millions)

Table 39. Global Nitrogen Vacancy Diamond Revenue Market Share by Company (2021-2026)

Table 40. Global Nitrogen Vacancy Diamond Sale Price by Company (2021-2026) & (US\$/Pc)

Table 41. Key Manufacturers Nitrogen Vacancy Diamond Producing Area Distribution and Sales Area

Table 42. Players Nitrogen Vacancy Diamond Products Offered

Table 43. Nitrogen Vacancy Diamond Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 44. New Products and Potential Entrants

Table 45. Market M&A Activity & Strategy

Table 46. Global Nitrogen Vacancy Diamond Sales by Geographic Region (2021-2026)

& (K Pcs)

Table 47. Global Nitrogen Vacancy Diamond Sales Market Share Geographic Region (2021-2026)

Table 48. Global Nitrogen Vacancy Diamond Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 49. Global Nitrogen Vacancy Diamond Revenue Market Share by Geographic Region (2021-2026)

Table 50. Global Nitrogen Vacancy Diamond Sales by Country/Region (2021-2026) & (K Pcs)

Table 51. Global Nitrogen Vacancy Diamond Sales Market Share by Country/Region (2021-2026)

Table 52. Global Nitrogen Vacancy Diamond Revenue by Country/Region (2021-2026) & (\$ millions)

Table 53. Global Nitrogen Vacancy Diamond Revenue Market Share by Country/Region (2021-2026)

Table 54. Americas Nitrogen Vacancy Diamond Sales by Country (2021-2026) & (K Pcs)

Table 55. Americas Nitrogen Vacancy Diamond Sales Market Share by Country (2021-2026)

Table 56. Americas Nitrogen Vacancy Diamond Revenue by Country (2021-2026) & (\$ millions)

Table 57. Americas Nitrogen Vacancy Diamond Sales by Type (2021-2026) & (K Pcs)

Table 58. Americas Nitrogen Vacancy Diamond Sales by Application (2021-2026) & (K Pcs)

Table 59. APAC Nitrogen Vacancy Diamond Sales by Region (2021-2026) & (K Pcs)

Table 60. APAC Nitrogen Vacancy Diamond Sales Market Share by Region (2021-2026)

Table 61. APAC Nitrogen Vacancy Diamond Revenue by Region (2021-2026) & (\$ millions)

Table 62. APAC Nitrogen Vacancy Diamond Sales by Type (2021-2026) & (K Pcs)

Table 63. APAC Nitrogen Vacancy Diamond Sales by Application (2021-2026) & (K Pcs)

Table 64. Europe Nitrogen Vacancy Diamond Sales by Country (2021-2026) & (K Pcs)

Table 65. Europe Nitrogen Vacancy Diamond Revenue by Country (2021-2026) & (\$ millions)

Table 66. Europe Nitrogen Vacancy Diamond Sales by Type (2021-2026) & (K Pcs)

Table 67. Europe Nitrogen Vacancy Diamond Sales by Application (2021-2026) & (K Pcs)

Table 68. Middle East & Africa Nitrogen Vacancy Diamond Sales by Country

(2021-2026) & (K Pcs)

Table 69. Middle East & Africa Nitrogen Vacancy Diamond Revenue Market Share by Country (2021-2026)

Table 70. Middle East & Africa Nitrogen Vacancy Diamond Sales by Type (2021-2026) & (K Pcs)

Table 71. Middle East & Africa Nitrogen Vacancy Diamond Sales by Application (2021-2026) & (K Pcs)

Table 72. Key Market Drivers & Growth Opportunities of Nitrogen Vacancy Diamond

Table 73. Key Market Challenges & Risks of Nitrogen Vacancy Diamond

Table 74. Key Industry Trends of Nitrogen Vacancy Diamond

Table 75. Nitrogen Vacancy Diamond Raw Material

Table 76. Key Suppliers of Raw Materials

Table 77. Nitrogen Vacancy Diamond Distributors List

Table 78. Nitrogen Vacancy Diamond Customer List

Table 79. Global Nitrogen Vacancy Diamond Sales Forecast by Region (2027-2032) & (K Pcs)

Table 80. Global Nitrogen Vacancy Diamond Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 81. Americas Nitrogen Vacancy Diamond Sales Forecast by Country (2027-2032) & (K Pcs)

Table 82. Americas Nitrogen Vacancy Diamond Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 83. APAC Nitrogen Vacancy Diamond Sales Forecast by Region (2027-2032) & (K Pcs)

Table 84. APAC Nitrogen Vacancy Diamond Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 85. Europe Nitrogen Vacancy Diamond Sales Forecast by Country (2027-2032) & (K Pcs)

Table 86. Europe Nitrogen Vacancy Diamond Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 87. Middle East & Africa Nitrogen Vacancy Diamond Sales Forecast by Country (2027-2032) & (K Pcs)

Table 88. Middle East & Africa Nitrogen Vacancy Diamond Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 89. Global Nitrogen Vacancy Diamond Sales Forecast by Type (2027-2032) & (K Pcs)

Table 90. Global Nitrogen Vacancy Diamond Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 91. Global Nitrogen Vacancy Diamond Sales Forecast by Application (2027-2032)

& (K Pcs)

Table 92. Global Nitrogen Vacancy Diamond Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 93. Element Six Basic Information, Nitrogen Vacancy Diamond Manufacturing Base, Sales Area and Its Competitors

Table 94. Element Six Nitrogen Vacancy Diamond Product Portfolios and Specifications

Table 95. Element Six Nitrogen Vacancy Diamond Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pc) and Gross Margin (2021-2026)

Table 96. Element Six Main Business

Table 97. Element Six Latest Developments

Table 98. Quantum Brilliance Basic Information, Nitrogen Vacancy Diamond Manufacturing Base, Sales Area and Its Competitors

Table 99. Quantum Brilliance Nitrogen Vacancy Diamond Product Portfolios and Specifications

Table 100. Quantum Brilliance Nitrogen Vacancy Diamond Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pc) and Gross Margin (2021-2026)

Table 101. Quantum Brilliance Main Business

Table 102. Quantum Brilliance Latest Developments

Table 103. Adamas Basic Information, Nitrogen Vacancy Diamond Manufacturing Base, Sales Area and Its Competitors

Table 104. Adamas Nitrogen Vacancy Diamond Product Portfolios and Specifications

Table 105. Adamas Nitrogen Vacancy Diamond Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pc) and Gross Margin (2021-2026)

Table 106. Adamas Main Business

Table 107. Adamas Latest Developments

Table 108. Great Lakes Crystal Technologies, Inc. Basic Information, Nitrogen Vacancy Diamond Manufacturing Base, Sales Area and Its Competitors

Table 109. Great Lakes Crystal Technologies, Inc. Nitrogen Vacancy Diamond Product Portfolios and Specifications

Table 110. Great Lakes Crystal Technologies, Inc. Nitrogen Vacancy Diamond Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pc) and Gross Margin (2021-2026)

Table 111. Great Lakes Crystal Technologies, Inc. Main Business

Table 112. Great Lakes Crystal Technologies, Inc. Latest Developments

Table 113. DIATOPE GmbH Basic Information, Nitrogen Vacancy Diamond Manufacturing Base, Sales Area and Its Competitors

Table 114. DIATOPE GmbH Nitrogen Vacancy Diamond Product Portfolios and Specifications

Table 115. DIATOPE GmbH Nitrogen Vacancy Diamond Sales (K Pcs), Revenue (\$ Million), Price (US\$/Pc) and Gross Margin (2021-2026)

Table 116. DIATOPE GmbH Main Business

Table 117. DIATOPE GmbH Latest Developments

## List Of Figures

### LIST OF FIGURES

Figure 1. Picture of Nitrogen Vacancy Diamond

Figure 2. Nitrogen Vacancy Diamond Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Nitrogen Vacancy Diamond Sales Growth Rate 2021-2032 (K Pcs)

Figure 7. Global Nitrogen Vacancy Diamond Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Nitrogen Vacancy Diamond Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Nitrogen Vacancy Diamond Sales Market Share by Country/Region (2025)

Figure 10. Nitrogen Vacancy Diamond Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Nanodiamond

Figure 12. Product Picture of Single-crystal Diamond

Figure 13. Global Nitrogen Vacancy Diamond Sales Market Share by Type in 2026

Figure 14. Global Nitrogen Vacancy Diamond Revenue Market Share by Type (2021-2026)

Figure 15. Product Picture of CVD Diamond

Figure 16. Product Picture of HPHT Diamond

Figure 17. Global Nitrogen Vacancy Diamond Sales Market Share by Fabrication Method in 2026

Figure 18. Global Nitrogen Vacancy Diamond Revenue Market Share by Fabrication Method (2021-2026)

Figure 19. Product Picture of NV<sup>0</sup> Center Diamond

Figure 20. Product Picture of NV<sup>0</sup> Center Diamond

Figure 21. Global Nitrogen Vacancy Diamond Sales Market Share by NV Center Type in 2026

Figure 22. Global Nitrogen Vacancy Diamond Revenue Market Share by NV Center Type (2021-2026)

Figure 23. Product Picture of Low-density NV Diamond

Figure 24. Product Picture of High-density NV Diamond

Figure 25. Global Nitrogen Vacancy Diamond Sales Market Share by NV Center Concentration in 2026

Figure 26. Global Nitrogen Vacancy Diamond Revenue Market Share by NV Center

## Concentration (2021-2026)

Figure 27. Nitrogen Vacancy Diamond Consumed in Quantum Demonstrations

Figure 28. Global Nitrogen Vacancy Diamond Market: Quantum Demonstrations (2021-2026) & (K Pcs)

Figure 29. Nitrogen Vacancy Diamond Consumed in Masers

Figure 30. Global Nitrogen Vacancy Diamond Market: Masers (2021-2026) & (K Pcs)

Figure 31. Nitrogen Vacancy Diamond Consumed in Detection of RF Radiation

Figure 32. Global Nitrogen Vacancy Diamond Market: Detection of RF Radiation (2021-2026) & (K Pcs)

Figure 33. Nitrogen Vacancy Diamond Consumed in Gyroscopes

Figure 34. Global Nitrogen Vacancy Diamond Market: Gyroscopes (2021-2026) & (K Pcs)

Figure 35. Nitrogen Vacancy Diamond Consumed in Sensing

Figure 36. Global Nitrogen Vacancy Diamond Market: Sensing (2021-2026) & (K Pcs)

Figure 37. Nitrogen Vacancy Diamond Consumed in Others

Figure 38. Global Nitrogen Vacancy Diamond Market: Others (2021-2026) & (K Pcs)

Figure 39. Global Nitrogen Vacancy Diamond Sale Market Share by Application (2025)

Figure 40. Global Nitrogen Vacancy Diamond Revenue Market Share by Application in 2025

Figure 41. Nitrogen Vacancy Diamond Sales by Company in 2025 (K Pcs)

Figure 42. Global Nitrogen Vacancy Diamond Sales Market Share by Company in 2025

Figure 43. Nitrogen Vacancy Diamond Revenue by Company in 2025 (\$ millions)

Figure 44. Global Nitrogen Vacancy Diamond Revenue Market Share by Company in 2025

Figure 45. Global Nitrogen Vacancy Diamond Sales Market Share by Geographic Region (2021-2026)

Figure 46. Global Nitrogen Vacancy Diamond Revenue Market Share by Geographic Region in 2025

Figure 47. Americas Nitrogen Vacancy Diamond Sales 2021-2026 (K Pcs)

Figure 48. Americas Nitrogen Vacancy Diamond Revenue 2021-2026 (\$ millions)

Figure 49. APAC Nitrogen Vacancy Diamond Sales 2021-2026 (K Pcs)

Figure 50. APAC Nitrogen Vacancy Diamond Revenue 2021-2026 (\$ millions)

Figure 51. Europe Nitrogen Vacancy Diamond Sales 2021-2026 (K Pcs)

Figure 52. Europe Nitrogen Vacancy Diamond Revenue 2021-2026 (\$ millions)

Figure 53. Middle East & Africa Nitrogen Vacancy Diamond Sales 2021-2026 (K Pcs)

Figure 54. Middle East & Africa Nitrogen Vacancy Diamond Revenue 2021-2026 (\$ millions)

Figure 55. Americas Nitrogen Vacancy Diamond Sales Market Share by Country in 2025

Figure 56. Americas Nitrogen Vacancy Diamond Revenue Market Share by Country (2021-2026)

Figure 57. Americas Nitrogen Vacancy Diamond Sales Market Share by Type (2021-2026)

Figure 58. Americas Nitrogen Vacancy Diamond Sales Market Share by Application (2021-2026)

Figure 59. United States Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 60. Canada Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 61. Mexico Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 62. Brazil Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 63. APAC Nitrogen Vacancy Diamond Sales Market Share by Region in 2025

Figure 64. APAC Nitrogen Vacancy Diamond Revenue Market Share by Region (2021-2026)

Figure 65. APAC Nitrogen Vacancy Diamond Sales Market Share by Type (2021-2026)

Figure 66. APAC Nitrogen Vacancy Diamond Sales Market Share by Application (2021-2026)

Figure 67. China Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 68. Japan Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 69. South Korea Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 70. Southeast Asia Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 71. India Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 72. Australia Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 73. China Taiwan Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 74. Europe Nitrogen Vacancy Diamond Sales Market Share by Country in 2025

Figure 75. Europe Nitrogen Vacancy Diamond Revenue Market Share by Country (2021-2026)

Figure 76. Europe Nitrogen Vacancy Diamond Sales Market Share by Type (2021-2026)

Figure 77. Europe Nitrogen Vacancy Diamond Sales Market Share by Application (2021-2026)

Figure 78. Germany Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 79. France Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

Figure 80. UK Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)

- Figure 81. Italy Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)
- Figure 82. Russia Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)
- Figure 83. Middle East & Africa Nitrogen Vacancy Diamond Sales Market Share by Country (2021-2026)
- Figure 84. Middle East & Africa Nitrogen Vacancy Diamond Sales Market Share by Type (2021-2026)
- Figure 85. Middle East & Africa Nitrogen Vacancy Diamond Sales Market Share by Application (2021-2026)
- Figure 86. Egypt Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)
- Figure 87. South Africa Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)
- Figure 88. Israel Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)
- Figure 89. Turkey Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)
- Figure 90. GCC Countries Nitrogen Vacancy Diamond Revenue Growth 2021-2026 (\$ millions)
- Figure 91. Manufacturing Cost Structure Analysis of Nitrogen Vacancy Diamond in 2026
- Figure 92. Manufacturing Process Analysis of Nitrogen Vacancy Diamond
- Figure 93. Industry Chain Structure of Nitrogen Vacancy Diamond
- Figure 94. Channels of Distribution
- Figure 95. Global Nitrogen Vacancy Diamond Sales Market Forecast by Region (2027-2032)
- Figure 96. Global Nitrogen Vacancy Diamond Revenue Market Share Forecast by Region (2027-2032)
- Figure 97. Global Nitrogen Vacancy Diamond Sales Market Share Forecast by Type (2027-2032)
- Figure 98. Global Nitrogen Vacancy Diamond Revenue Market Share Forecast by Type (2027-2032)
- Figure 99. Global Nitrogen Vacancy Diamond Sales Market Share Forecast by Application (2027-2032)
- Figure 100. Global Nitrogen Vacancy Diamond Revenue Market Share Forecast by Application (2027-2032)

## I would like to order

Product name: Global Nitrogen Vacancy Diamond Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G1DF9ADF8923EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G1DF9ADF8923EN.html>