

# Global Industrial Sapphire Market Research Report 2024(Status and Outlook)

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## Abstracts

### Report Overview:

Industrial sapphire is created by melting aluminum oxide ( $Al_2O_3$ ) at  $2040^{\circ}C$  and then encouraging crystal growth with a seed and careful control of the environment. Growers have developed several unique methods for growth, with varying levels of resultant quality, size, and cost. The EFG or Stephanov methods allow the directed growth of shapes like ribbon, or even tubes, however there are many limitations to what can be done. The Czochralski, HEM, or Kiropolous methods allow the highest optical quality sapphire, but the result is a rod like “blob” of crystal called a boule, that must be entirely machined into usable shapes and sizes. The unique properties of sapphire make it an ideal material for a variety of industrial applications. It is strong and durable, yet also lightweight and heat resistant. Additionally, sapphire is optically clear, making it perfect for applications where light transmission is important. These properties make sapphire an ideal choice for products that need to withstand extreme conditions or high temperatures.

The Global Industrial Sapphire Market Size was estimated at USD 862.78 million in 2023 and is projected to reach USD 1511.87 million by 2029, exhibiting a CAGR of 9.80% during the forecast period.

This report provides a deep insight into the global Industrial Sapphire market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Industrial Sapphire Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Industrial Sapphire market in any manner.

### Global Industrial Sapphire Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

### Key Company

Precision Sapphire Technologies, Ltd.

Monocrystal

INSACO, Inc.

Rostox-N

KYOCERA

Saint-Gobain

SCHOTT

Juropol

Rayotek Scientific

Orbray Co., Ltd.

ILJIN Display

Namiki Precision Jewel

Shinkosha

TDG Holding Co., Ltd.

Zhejiang Jingsheng Mechanical and Electrical Co., Ltd.

Lens Technology Co., Ltd.

Market Segmentation (by Type)

Sapphire Tubes

Sapphire Rods

Sapphire Spheres

Others

Market Segmentation (by Application)

LED

Electronics

Aviation and Aerospace

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

#### Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Industrial Sapphire Market

Overview of the regional outlook of the Industrial Sapphire Market:

#### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your

competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Note: this report may need to undergo a final check or review and this could take about 48 hours.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an 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 Industrial Sapphire Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the Market's Competitive Landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the 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 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to 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 8 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 capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Industrial Sapphire
- 1.2 Key Market Segments
  - 1.2.1 Industrial Sapphire Segment by Type
  - 1.2.2 Industrial Sapphire Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 INDUSTRIAL SAPPHIRE MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Industrial Sapphire Market Size (M USD) Estimates and Forecasts (2019-2030)
  - 2.1.2 Global Industrial Sapphire Sales Estimates and Forecasts (2019-2030)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 INDUSTRIAL SAPPHIRE MARKET COMPETITIVE LANDSCAPE**

- 3.1 Global Industrial Sapphire Sales by Manufacturers (2019-2024)
- 3.2 Global Industrial Sapphire Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Industrial Sapphire Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Industrial Sapphire Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Industrial Sapphire Sales Sites, Area Served, Product Type
- 3.6 Industrial Sapphire Market Competitive Situation and Trends
  - 3.6.1 Industrial Sapphire Market Concentration Rate
  - 3.6.2 Global 5 and 10 Largest Industrial Sapphire Players Market Share by Revenue
  - 3.6.3 Mergers & Acquisitions, Expansion

### **4 INDUSTRIAL SAPPHIRE INDUSTRY CHAIN ANALYSIS**

- 4.1 Industrial Sapphire Industry Chain Analysis



4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF INDUSTRIAL SAPPHIRE MARKET**

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

## **6 INDUSTRIAL SAPPHIRE MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Industrial Sapphire Sales Market Share by Type (2019-2024)

6.3 Global Industrial Sapphire Market Size Market Share by Type (2019-2024)

6.4 Global Industrial Sapphire Price by Type (2019-2024)

## **7 INDUSTRIAL SAPPHIRE MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Industrial Sapphire Market Sales by Application (2019-2024)

7.3 Global Industrial Sapphire Market Size (M USD) by Application (2019-2024)

7.4 Global Industrial Sapphire Sales Growth Rate by Application (2019-2024)

## **8 INDUSTRIAL SAPPHIRE MARKET SEGMENTATION BY REGION**

8.1 Global Industrial Sapphire Sales by Region

8.1.1 Global Industrial Sapphire Sales by Region

8.1.2 Global Industrial Sapphire Sales Market Share by Region

8.2 North America

8.2.1 North America Industrial Sapphire Sales by Country

8.2.2 U.S.

- 8.2.3 Canada
- 8.2.4 Mexico
- 8.3 Europe
  - 8.3.1 Europe Industrial Sapphire Sales by Country
  - 8.3.2 Germany
  - 8.3.3 France
  - 8.3.4 U.K.
  - 8.3.5 Italy
  - 8.3.6 Russia
- 8.4 Asia Pacific
  - 8.4.1 Asia Pacific Industrial Sapphire Sales by Region
  - 8.4.2 China
  - 8.4.3 Japan
  - 8.4.4 South Korea
  - 8.4.5 India
  - 8.4.6 Southeast Asia
- 8.5 South America
  - 8.5.1 South America Industrial Sapphire Sales by Country
  - 8.5.2 Brazil
  - 8.5.3 Argentina
  - 8.5.4 Columbia
- 8.6 Middle East and Africa
  - 8.6.1 Middle East and Africa Industrial Sapphire Sales by Region
  - 8.6.2 Saudi Arabia
  - 8.6.3 UAE
  - 8.6.4 Egypt
  - 8.6.5 Nigeria
  - 8.6.6 South Africa

## **9 KEY COMPANIES PROFILE**

- 9.1 Precision Sapphire Technologies, Ltd.
  - 9.1.1 Precision Sapphire Technologies, Ltd. Industrial Sapphire Basic Information
  - 9.1.2 Precision Sapphire Technologies, Ltd. Industrial Sapphire Product Overview
  - 9.1.3 Precision Sapphire Technologies, Ltd. Industrial Sapphire Product Market Performance
  - 9.1.4 Precision Sapphire Technologies, Ltd. Business Overview
  - 9.1.5 Precision Sapphire Technologies, Ltd. Industrial Sapphire SWOT Analysis
  - 9.1.6 Precision Sapphire Technologies, Ltd. Recent Developments

## 9.2 Monocrystal

- 9.2.1 Monocrystal Industrial Sapphire Basic Information
- 9.2.2 Monocrystal Industrial Sapphire Product Overview
- 9.2.3 Monocrystal Industrial Sapphire Product Market Performance
- 9.2.4 Monocrystal Business Overview
- 9.2.5 Monocrystal Industrial Sapphire SWOT Analysis
- 9.2.6 Monocrystal Recent Developments

## 9.3 INSACO, Inc.

- 9.3.1 INSACO, Inc. Industrial Sapphire Basic Information
- 9.3.2 INSACO, Inc. Industrial Sapphire Product Overview
- 9.3.3 INSACO, Inc. Industrial Sapphire Product Market Performance
- 9.3.4 INSACO, Inc. Industrial Sapphire SWOT Analysis
- 9.3.5 INSACO, Inc. Business Overview
- 9.3.6 INSACO, Inc. Recent Developments

## 9.4 Rostox-N

- 9.4.1 Rostox-N Industrial Sapphire Basic Information
- 9.4.2 Rostox-N Industrial Sapphire Product Overview
- 9.4.3 Rostox-N Industrial Sapphire Product Market Performance
- 9.4.4 Rostox-N Business Overview
- 9.4.5 Rostox-N Recent Developments

## 9.5 KYOCERA

- 9.5.1 KYOCERA Industrial Sapphire Basic Information
- 9.5.2 KYOCERA Industrial Sapphire Product Overview
- 9.5.3 KYOCERA Industrial Sapphire Product Market Performance
- 9.5.4 KYOCERA Business Overview
- 9.5.5 KYOCERA Recent Developments

## 9.6 Saint-Gobain

- 9.6.1 Saint-Gobain Industrial Sapphire Basic Information
- 9.6.2 Saint-Gobain Industrial Sapphire Product Overview
- 9.6.3 Saint-Gobain Industrial Sapphire Product Market Performance
- 9.6.4 Saint-Gobain Business Overview
- 9.6.5 Saint-Gobain Recent Developments

## 9.7 SCHOTT

- 9.7.1 SCHOTT Industrial Sapphire Basic Information
- 9.7.2 SCHOTT Industrial Sapphire Product Overview
- 9.7.3 SCHOTT Industrial Sapphire Product Market Performance
- 9.7.4 SCHOTT Business Overview
- 9.7.5 SCHOTT Recent Developments

## 9.8 Juropol

- 9.8.1 Juropol Industrial Sapphire Basic Information
- 9.8.2 Juropol Industrial Sapphire Product Overview
- 9.8.3 Juropol Industrial Sapphire Product Market Performance
- 9.8.4 Juropol Business Overview
- 9.8.5 Juropol Recent Developments
- 9.9 Rayotek Scientific
  - 9.9.1 Rayotek Scientific Industrial Sapphire Basic Information
  - 9.9.2 Rayotek Scientific Industrial Sapphire Product Overview
  - 9.9.3 Rayotek Scientific Industrial Sapphire Product Market Performance
  - 9.9.4 Rayotek Scientific Business Overview
  - 9.9.5 Rayotek Scientific Recent Developments
- 9.10 Orbray Co., Ltd.
  - 9.10.1 Orbray Co., Ltd. Industrial Sapphire Basic Information
  - 9.10.2 Orbray Co., Ltd. Industrial Sapphire Product Overview
  - 9.10.3 Orbray Co., Ltd. Industrial Sapphire Product Market Performance
  - 9.10.4 Orbray Co., Ltd. Business Overview
  - 9.10.5 Orbray Co., Ltd. Recent Developments
- 9.11 ILJIN Display
  - 9.11.1 ILJIN Display Industrial Sapphire Basic Information
  - 9.11.2 ILJIN Display Industrial Sapphire Product Overview
  - 9.11.3 ILJIN Display Industrial Sapphire Product Market Performance
  - 9.11.4 ILJIN Display Business Overview
  - 9.11.5 ILJIN Display Recent Developments
- 9.12 Namiki Precision Jewel
  - 9.12.1 Namiki Precision Jewel Industrial Sapphire Basic Information
  - 9.12.2 Namiki Precision Jewel Industrial Sapphire Product Overview
  - 9.12.3 Namiki Precision Jewel Industrial Sapphire Product Market Performance
  - 9.12.4 Namiki Precision Jewel Business Overview
  - 9.12.5 Namiki Precision Jewel Recent Developments
- 9.13 Shinkosha
  - 9.13.1 Shinkosha Industrial Sapphire Basic Information
  - 9.13.2 Shinkosha Industrial Sapphire Product Overview
  - 9.13.3 Shinkosha Industrial Sapphire Product Market Performance
  - 9.13.4 Shinkosha Business Overview
  - 9.13.5 Shinkosha Recent Developments
- 9.14 TDG Holding Co., Ltd.
  - 9.14.1 TDG Holding Co., Ltd. Industrial Sapphire Basic Information
  - 9.14.2 TDG Holding Co., Ltd. Industrial Sapphire Product Overview
  - 9.14.3 TDG Holding Co., Ltd. Industrial Sapphire Product Market Performance

- 9.14.4 TDG Holding Co., Ltd. Business Overview
- 9.14.5 TDG Holding Co., Ltd. Recent Developments
- 9.15 Zhejiang Jingsheng Mechanical and Electrical Co., Ltd.
  - 9.15.1 Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Industrial Sapphire Basic Information
  - 9.15.2 Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Industrial Sapphire Product Overview
  - 9.15.3 Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Industrial Sapphire Product Market Performance
  - 9.15.4 Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Business Overview
  - 9.15.5 Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Recent Developments
- 9.16 Lens Technology Co., Ltd.
  - 9.16.1 Lens Technology Co., Ltd. Industrial Sapphire Basic Information
  - 9.16.2 Lens Technology Co., Ltd. Industrial Sapphire Product Overview
  - 9.16.3 Lens Technology Co., Ltd. Industrial Sapphire Product Market Performance
  - 9.16.4 Lens Technology Co., Ltd. Business Overview
  - 9.16.5 Lens Technology Co., Ltd. Recent Developments

## **10 INDUSTRIAL SAPPHIRE MARKET FORECAST BY REGION**

- 10.1 Global Industrial Sapphire Market Size Forecast
- 10.2 Global Industrial Sapphire Market Forecast by Region
  - 10.2.1 North America Market Size Forecast by Country
  - 10.2.2 Europe Industrial Sapphire Market Size Forecast by Country
  - 10.2.3 Asia Pacific Industrial Sapphire Market Size Forecast by Region
  - 10.2.4 South America Industrial Sapphire Market Size Forecast by Country
  - 10.2.5 Middle East and Africa Forecasted Consumption of Industrial Sapphire by Country

## **11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)**

- 11.1 Global Industrial Sapphire Market Forecast by Type (2025-2030)
  - 11.1.1 Global Forecasted Sales of Industrial Sapphire by Type (2025-2030)
  - 11.1.2 Global Industrial Sapphire Market Size Forecast by Type (2025-2030)
  - 11.1.3 Global Forecasted Price of Industrial Sapphire by Type (2025-2030)
- 11.2 Global Industrial Sapphire Market Forecast by Application (2025-2030)
  - 11.2.1 Global Industrial Sapphire Sales (Kilotons) Forecast by Application
  - 11.2.2 Global Industrial Sapphire Market Size (M USD) Forecast by Application (2025-2030)

## 12 CONCLUSION AND KEY FINDINGS

## List Of Tables

### LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Industrial Sapphire Market Size Comparison by Region (M USD)
- Table 5. Global Industrial Sapphire Sales (Kilotons) by Manufacturers (2019-2024)
- Table 6. Global Industrial Sapphire Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global Industrial Sapphire Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global Industrial Sapphire Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Industrial Sapphire as of 2022)
- Table 10. Global Market Industrial Sapphire Average Price (USD/Ton) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers Industrial Sapphire Sales Sites and Area Served
- Table 12. Manufacturers Industrial Sapphire Product Type
- Table 13. Global Industrial Sapphire Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of Industrial Sapphire
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Industrial Sapphire Market Challenges
- Table 22. Global Industrial Sapphire Sales by Type (Kilotons)
- Table 23. Global Industrial Sapphire Market Size by Type (M USD)
- Table 24. Global Industrial Sapphire Sales (Kilotons) by Type (2019-2024)
- Table 25. Global Industrial Sapphire Sales Market Share by Type (2019-2024)
- Table 26. Global Industrial Sapphire Market Size (M USD) by Type (2019-2024)
- Table 27. Global Industrial Sapphire Market Size Share by Type (2019-2024)
- Table 28. Global Industrial Sapphire Price (USD/Ton) by Type (2019-2024)
- Table 29. Global Industrial Sapphire Sales (Kilotons) by Application
- Table 30. Global Industrial Sapphire Market Size by Application
- Table 31. Global Industrial Sapphire Sales by Application (2019-2024) & (Kilotons)
- Table 32. Global Industrial Sapphire Sales Market Share by Application (2019-2024)



Table 33. Global Industrial Sapphire Sales by Application (2019-2024) & (M USD)

Table 34. Global Industrial Sapphire Market Share by Application (2019-2024)

Table 35. Global Industrial Sapphire Sales Growth Rate by Application (2019-2024)

Table 36. Global Industrial Sapphire Sales by Region (2019-2024) & (Kilotons)

Table 37. Global Industrial Sapphire Sales Market Share by Region (2019-2024)

Table 38. North America Industrial Sapphire Sales by Country (2019-2024) & (Kilotons)

Table 39. Europe Industrial Sapphire Sales by Country (2019-2024) & (Kilotons)

Table 40. Asia Pacific Industrial Sapphire Sales by Region (2019-2024) & (Kilotons)

Table 41. South America Industrial Sapphire Sales by Country (2019-2024) & (Kilotons)

Table 42. Middle East and Africa Industrial Sapphire Sales by Region (2019-2024) & (Kilotons)

Table 43. Precision Sapphire Technologies, Ltd. Industrial Sapphire Basic Information

Table 44. Precision Sapphire Technologies, Ltd. Industrial Sapphire Product Overview

Table 45. Precision Sapphire Technologies, Ltd. Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)

Table 46. Precision Sapphire Technologies, Ltd. Business Overview

Table 47. Precision Sapphire Technologies, Ltd. Industrial Sapphire SWOT Analysis

Table 48. Precision Sapphire Technologies, Ltd. Recent Developments

Table 49. Monocrystal Industrial Sapphire Basic Information

Table 50. Monocrystal Industrial Sapphire Product Overview

Table 51. Monocrystal Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)

Table 52. Monocrystal Business Overview

Table 53. Monocrystal Industrial Sapphire SWOT Analysis

Table 54. Monocrystal Recent Developments

Table 55. INSACO, Inc. Industrial Sapphire Basic Information

Table 56. INSACO, Inc. Industrial Sapphire Product Overview

Table 57. INSACO, Inc. Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)

Table 58. INSACO, Inc. Industrial Sapphire SWOT Analysis

Table 59. INSACO, Inc. Business Overview

Table 60. INSACO, Inc. Recent Developments

Table 61. Rostox-N Industrial Sapphire Basic Information

Table 62. Rostox-N Industrial Sapphire Product Overview

Table 63. Rostox-N Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)

Table 64. Rostox-N Business Overview

Table 65. Rostox-N Recent Developments

Table 66. KYOCERA Industrial Sapphire Basic Information



- Table 67. KYOCERA Industrial Sapphire Product Overview
- Table 68. KYOCERA Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 69. KYOCERA Business Overview
- Table 70. KYOCERA Recent Developments
- Table 71. Saint-Gobain Industrial Sapphire Basic Information
- Table 72. Saint-Gobain Industrial Sapphire Product Overview
- Table 73. Saint-Gobain Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 74. Saint-Gobain Business Overview
- Table 75. Saint-Gobain Recent Developments
- Table 76. SCHOTT Industrial Sapphire Basic Information
- Table 77. SCHOTT Industrial Sapphire Product Overview
- Table 78. SCHOTT Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 79. SCHOTT Business Overview
- Table 80. SCHOTT Recent Developments
- Table 81. Juropol Industrial Sapphire Basic Information
- Table 82. Juropol Industrial Sapphire Product Overview
- Table 83. Juropol Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 84. Juropol Business Overview
- Table 85. Juropol Recent Developments
- Table 86. Rayotek Scientific Industrial Sapphire Basic Information
- Table 87. Rayotek Scientific Industrial Sapphire Product Overview
- Table 88. Rayotek Scientific Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 89. Rayotek Scientific Business Overview
- Table 90. Rayotek Scientific Recent Developments
- Table 91. Orbray Co., Ltd. Industrial Sapphire Basic Information
- Table 92. Orbray Co., Ltd. Industrial Sapphire Product Overview
- Table 93. Orbray Co., Ltd. Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 94. Orbray Co., Ltd. Business Overview
- Table 95. Orbray Co., Ltd. Recent Developments
- Table 96. ILJIN Display Industrial Sapphire Basic Information
- Table 97. ILJIN Display Industrial Sapphire Product Overview
- Table 98. ILJIN Display Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)

- Table 99. ILJIN Display Business Overview
- Table 100. ILJIN Display Recent Developments
- Table 101. Namiki Precision Jewel Industrial Sapphire Basic Information
- Table 102. Namiki Precision Jewel Industrial Sapphire Product Overview
- Table 103. Namiki Precision Jewel Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 104. Namiki Precision Jewel Business Overview
- Table 105. Namiki Precision Jewel Recent Developments
- Table 106. Shinkosha Industrial Sapphire Basic Information
- Table 107. Shinkosha Industrial Sapphire Product Overview
- Table 108. Shinkosha Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 109. Shinkosha Business Overview
- Table 110. Shinkosha Recent Developments
- Table 111. TDG Holding Co., Ltd. Industrial Sapphire Basic Information
- Table 112. TDG Holding Co., Ltd. Industrial Sapphire Product Overview
- Table 113. TDG Holding Co., Ltd. Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 114. TDG Holding Co., Ltd. Business Overview
- Table 115. TDG Holding Co., Ltd. Recent Developments
- Table 116. Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Industrial Sapphire Basic Information
- Table 117. Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Industrial Sapphire Product Overview
- Table 118. Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 119. Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Business Overview
- Table 120. Zhejiang Jingsheng Mechanical and Electrical Co., Ltd. Recent Developments
- Table 121. Lens Technology Co., Ltd. Industrial Sapphire Basic Information
- Table 122. Lens Technology Co., Ltd. Industrial Sapphire Product Overview
- Table 123. Lens Technology Co., Ltd. Industrial Sapphire Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)
- Table 124. Lens Technology Co., Ltd. Business Overview
- Table 125. Lens Technology Co., Ltd. Recent Developments
- Table 126. Global Industrial Sapphire Sales Forecast by Region (2025-2030) & (Kilotons)
- Table 127. Global Industrial Sapphire Market Size Forecast by Region (2025-2030) & (M USD)

Table 128. North America Industrial Sapphire Sales Forecast by Country (2025-2030) & (Kilotons)

Table 129. North America Industrial Sapphire Market Size Forecast by Country (2025-2030) & (M USD)

Table 130. Europe Industrial Sapphire Sales Forecast by Country (2025-2030) & (Kilotons)

Table 131. Europe Industrial Sapphire Market Size Forecast by Country (2025-2030) & (M USD)

Table 132. Asia Pacific Industrial Sapphire Sales Forecast by Region (2025-2030) & (Kilotons)

Table 133. Asia Pacific Industrial Sapphire Market Size Forecast by Region (2025-2030) & (M USD)

Table 134. South America Industrial Sapphire Sales Forecast by Country (2025-2030) & (Kilotons)

Table 135. South America Industrial Sapphire Market Size Forecast by Country (2025-2030) & (M USD)

Table 136. Middle East and Africa Industrial Sapphire Consumption Forecast by Country (2025-2030) & (Units)

Table 137. Middle East and Africa Industrial Sapphire Market Size Forecast by Country (2025-2030) & (M USD)

Table 138. Global Industrial Sapphire Sales Forecast by Type (2025-2030) & (Kilotons)

Table 139. Global Industrial Sapphire Market Size Forecast by Type (2025-2030) & (M USD)

Table 140. Global Industrial Sapphire Price Forecast by Type (2025-2030) & (USD/Ton)

Table 141. Global Industrial Sapphire Sales (Kilotons) Forecast by Application (2025-2030)

Table 142. Global Industrial Sapphire Market Size Forecast by Application (2025-2030) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Industrial Sapphire
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Industrial Sapphire Market Size (M USD), 2019-2030
- Figure 5. Global Industrial Sapphire Market Size (M USD) (2019-2030)
- Figure 6. Global Industrial Sapphire Sales (Kilotons) & (2019-2030)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Industrial Sapphire Market Size by Country (M USD)
- Figure 11. Industrial Sapphire Sales Share by Manufacturers in 2023
- Figure 12. Global Industrial Sapphire Revenue Share by Manufacturers in 2023
- Figure 13. Industrial Sapphire Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Industrial Sapphire Average Price (USD/Ton) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Industrial Sapphire Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Industrial Sapphire Market Share by Type
- Figure 18. Sales Market Share of Industrial Sapphire by Type (2019-2024)
- Figure 19. Sales Market Share of Industrial Sapphire by Type in 2023
- Figure 20. Market Size Share of Industrial Sapphire by Type (2019-2024)
- Figure 21. Market Size Market Share of Industrial Sapphire by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Industrial Sapphire Market Share by Application
- Figure 24. Global Industrial Sapphire Sales Market Share by Application (2019-2024)
- Figure 25. Global Industrial Sapphire Sales Market Share by Application in 2023
- Figure 26. Global Industrial Sapphire Market Share by Application (2019-2024)
- Figure 27. Global Industrial Sapphire Market Share by Application in 2023
- Figure 28. Global Industrial Sapphire Sales Growth Rate by Application (2019-2024)
- Figure 29. Global Industrial Sapphire Sales Market Share by Region (2019-2024)
- Figure 30. North America Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 31. North America Industrial Sapphire Sales Market Share by Country in 2023

- Figure 32. U.S. Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 33. Canada Industrial Sapphire Sales (Kilotons) and Growth Rate (2019-2024)
- Figure 34. Mexico Industrial Sapphire Sales (Units) and Growth Rate (2019-2024)
- Figure 35. Europe Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 36. Europe Industrial Sapphire Sales Market Share by Country in 2023
- Figure 37. Germany Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 38. France Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 39. U.K. Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 40. Italy Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 41. Russia Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 42. Asia Pacific Industrial Sapphire Sales and Growth Rate (Kilotons)
- Figure 43. Asia Pacific Industrial Sapphire Sales Market Share by Region in 2023
- Figure 44. China Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 45. Japan Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 46. South Korea Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 47. India Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 48. Southeast Asia Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 49. South America Industrial Sapphire Sales and Growth Rate (Kilotons)
- Figure 50. South America Industrial Sapphire Sales Market Share by Country in 2023
- Figure 51. Brazil Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 52. Argentina Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 53. Columbia Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 54. Middle East and Africa Industrial Sapphire Sales and Growth Rate (Kilotons)
- Figure 55. Middle East and Africa Industrial Sapphire Sales Market Share by Region in 2023
- Figure 56. Saudi Arabia Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 57. UAE Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 58. Egypt Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 59. Nigeria Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 60. South Africa Industrial Sapphire Sales and Growth Rate (2019-2024) & (Kilotons)
- Figure 61. Global Industrial Sapphire Sales Forecast by Volume (2019-2030) & (Kilotons)

Figure 62. Global Industrial Sapphire Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global Industrial Sapphire Sales Market Share Forecast by Type (2025-2030)

Figure 64. Global Industrial Sapphire Market Share Forecast by Type (2025-2030)

Figure 65. Global Industrial Sapphire Sales Forecast by Application (2025-2030)

Figure 66. Global Industrial Sapphire Market Share Forecast by Application (2025-2030)



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