

Global High-End PCB Drill Bit Rods Market Growth 2026-2032

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Abstracts

The global High-End PCB Drill Bit Rods market size is predicted to grow from US\$ 142 million in 2025 to US\$ 258 million in 2032; it is expected to grow at a CAGR of 7.8% from 2026 to 2032.

High-end PCB drill bit rods are precision drilling tools used in printed circuit board (PCB) manufacturing. They are typically made from ultra-hard carbide or coated materials to ensure consistent dimensional accuracy and wear resistance during high-speed drilling of multilayer, high-density PCBs. These rods are widely applied in high-density interconnect (HDI) boards, flexible PCBs, multilayer boards, and precision electronic products manufacturing. In 2025, global High-End PCB Drill Bit Rods production reached approximately 4510 tons, with an average global market price of around 32114 USD/ton. The production capacity for High-End PCB Drill Bit Rods in 2025 was approximately 5000 tons. The typical gross profit margin for High-End PCB Drill Bit Rods between 20% and 40%.

The high-end PCB drill bit rods market is expanding steadily due to the increasing demand for miniaturized electronics, high-density PCBs, and high-performance electronic devices. In particular, sectors such as smartphones, 5G communication equipment, data center servers, and automotive electronics are driving demand for precision and wear-resistant drill bit rods. In the coming years, the market is expected to grow steadily, encouraging manufacturers to continuously improve materials and coating technologies to enhance lifespan and machining efficiency.

LP Information, Inc. (LPI) ' newest research report, the 'High-End PCB Drill Bit Rods Industry Forecast' looks at past sales and reviews total world High-End PCB Drill Bit Rods sales in 2025, providing a comprehensive analysis by region and market sector of

projected High-End PCB Drill Bit Rods sales for 2026 through 2032. With High-End PCB Drill Bit Rods sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High-End PCB Drill Bit Rods industry.

This Insight Report provides a comprehensive analysis of the global High-End PCB Drill Bit Rods 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 High-End PCB Drill Bit Rods portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High-End PCB Drill Bit Rods market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High-End PCB Drill Bit Rods 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 High-End PCB Drill Bit Rods.

This report presents a comprehensive overview, market shares, and growth opportunities of High-End PCB Drill Bit Rods market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Fine Grain Carbide Rods

Ultra-fine Grain Carbide Rods

Nano Grain Carbide Rods

Others

Segmentation by Material:

High-cobalt Toughness Cemented Carbide Rods

Low-cobalt High-hardness Cemented Carbide Rods

Others

Segmentation by Application:

Consumer Electronics

Communication Equipment

Automotive Electronics

Data Center & AI Server

Semiconductor Packaging

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.

Mitsubishi Materials

Axismateria (Sumitomo Electric Hardmetal)

Nippon Tungsten

Hyperion Materials & Technologies

Sandvik

Ceratizit

China Tungsten and Hightech Materials

Shareate Tools

Zhuzhou Cemented Carbide Group

OKE Precision Cutting Tools

Key Questions Addressed in this Report

What is the 10-year outlook for the global High-End PCB Drill Bit Rods market?

What factors are driving High-End PCB Drill Bit Rods market growth, globally and by region?

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

How do High-End PCB Drill Bit Rods market opportunities vary by end market size?

How does High-End PCB Drill Bit Rods 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 High-End PCB Drill Bit Rods Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for High-End PCB Drill Bit Rods by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for High-End PCB Drill Bit Rods by Country/Region, 2021, 2025 & 2032
- 2.2 High-End PCB Drill Bit Rods Segment by Type
 - 2.2.1 Fine Grain Carbide Rods
 - 2.2.2 Ultra-fine Grain Carbide Rods
 - 2.2.3 Nano Grain Carbide Rods
 - 2.2.4 Others
 - 2.2.5 High-End PCB Drill Bit Rods Sales by Type
 - 2.2.5.1 Global High-End PCB Drill Bit Rods Sales Market Share by Type (2021-2026)
 - 2.2.5.2 Global High-End PCB Drill Bit Rods Revenue and Market Share by Type (2021-2026)
 - 2.2.5.3 Global High-End PCB Drill Bit Rods Sale Price by Type (2021-2026)
- 2.3 High-End PCB Drill Bit Rods Segment by Material
 - 2.3.1 High-cobalt Toughness Cemented Carbide Rods
 - 2.3.2 Low-cobalt High-hardness Cemented Carbide Rods
 - 2.3.3 Others
 - 2.3.4 High-End PCB Drill Bit Rods Sales by Material
 - 2.3.4.1 Global High-End PCB Drill Bit Rods Sales Market Share by Material (2021-2026)
 - 2.3.4.2 Global High-End PCB Drill Bit Rods Revenue and Market Share by Material

(2021-2026)

2.3.4.3 Global High-End PCB Drill Bit Rods Sale Price by Material (2021-2026)

2.4 High-End PCB Drill Bit Rods Segment by Application

2.4.1 Consumer Electronics

2.4.2 Communication Equipment

2.4.3 Automotive Electronics

2.4.4 Data Center & AI Server

2.4.5 Semiconductor Packaging

2.4.6 Others

2.4.7 High-End PCB Drill Bit Rods Sales by Application

2.4.7.1 Global High-End PCB Drill Bit Rods Sale Market Share by Application

(2021-2026)

2.4.7.2 Global High-End PCB Drill Bit Rods Revenue and Market Share by Application (2021-2026)

2.4.7.3 Global High-End PCB Drill Bit Rods Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global High-End PCB Drill Bit Rods Breakdown Data by Company

3.1.1 Global High-End PCB Drill Bit Rods Annual Sales by Company (2021-2026)

3.1.2 Global High-End PCB Drill Bit Rods Sales Market Share by Company

(2021-2026)

3.2 Global High-End PCB Drill Bit Rods Annual Revenue by Company (2021-2026)

3.2.1 Global High-End PCB Drill Bit Rods Revenue by Company (2021-2026)

3.2.2 Global High-End PCB Drill Bit Rods Revenue Market Share by Company

(2021-2026)

3.3 Global High-End PCB Drill Bit Rods Sale Price by Company

3.4 Key Manufacturers High-End PCB Drill Bit Rods Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers High-End PCB Drill Bit Rods Product Location Distribution

3.4.2 Players High-End PCB Drill Bit Rods 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 HIGH-END PCB DRILL BIT RODS BY GEOGRAPHIC REGION

4.1 World Historic High-End PCB Drill Bit Rods Market Size by Geographic Region (2021-2026)

4.1.1 Global High-End PCB Drill Bit Rods Annual Sales by Geographic Region (2021-2026)

4.1.2 Global High-End PCB Drill Bit Rods Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic High-End PCB Drill Bit Rods Market Size by Country/Region (2021-2026)

4.2.1 Global High-End PCB Drill Bit Rods Annual Sales by Country/Region (2021-2026)

4.2.2 Global High-End PCB Drill Bit Rods Annual Revenue by Country/Region (2021-2026)

4.3 Americas High-End PCB Drill Bit Rods Sales Growth

4.4 APAC High-End PCB Drill Bit Rods Sales Growth

4.5 Europe High-End PCB Drill Bit Rods Sales Growth

4.6 Middle East & Africa High-End PCB Drill Bit Rods Sales Growth

5 AMERICAS

5.1 Americas High-End PCB Drill Bit Rods Sales by Country

5.1.1 Americas High-End PCB Drill Bit Rods Sales by Country (2021-2026)

5.1.2 Americas High-End PCB Drill Bit Rods Revenue by Country (2021-2026)

5.2 Americas High-End PCB Drill Bit Rods Sales by Type (2021-2026)

5.3 Americas High-End PCB Drill Bit Rods Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC High-End PCB Drill Bit Rods Sales by Region

6.1.1 APAC High-End PCB Drill Bit Rods Sales by Region (2021-2026)

6.1.2 APAC High-End PCB Drill Bit Rods Revenue by Region (2021-2026)

6.2 APAC High-End PCB Drill Bit Rods Sales by Type (2021-2026)

6.3 APAC High-End PCB Drill Bit Rods 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 High-End PCB Drill Bit Rods by Country
 - 7.1.1 Europe High-End PCB Drill Bit Rods Sales by Country (2021-2026)
 - 7.1.2 Europe High-End PCB Drill Bit Rods Revenue by Country (2021-2026)
- 7.2 Europe High-End PCB Drill Bit Rods Sales by Type (2021-2026)
- 7.3 Europe High-End PCB Drill Bit Rods 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 High-End PCB Drill Bit Rods by Country
 - 8.1.1 Middle East & Africa High-End PCB Drill Bit Rods Sales by Country (2021-2026)
 - 8.1.2 Middle East & Africa High-End PCB Drill Bit Rods Revenue by Country (2021-2026)
- 8.2 Middle East & Africa High-End PCB Drill Bit Rods Sales by Type (2021-2026)
- 8.3 Middle East & Africa High-End PCB Drill Bit Rods 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 High-End PCB Drill Bit Rods
- 10.3 Manufacturing Process Analysis of High-End PCB Drill Bit Rods
- 10.4 Industry Chain Structure of High-End PCB Drill Bit Rods

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 High-End PCB Drill Bit Rods Distributors
- 11.3 High-End PCB Drill Bit Rods Customer

12 WORLD FORECAST REVIEW FOR HIGH-END PCB DRILL BIT RODS BY GEOGRAPHIC REGION

- 12.1 Global High-End PCB Drill Bit Rods Market Size Forecast by Region
 - 12.1.1 Global High-End PCB Drill Bit Rods Forecast by Region (2027-2032)
 - 12.1.2 Global High-End PCB Drill Bit Rods 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 High-End PCB Drill Bit Rods Forecast by Type (2027-2032)
- 12.7 Global High-End PCB Drill Bit Rods Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

- 13.1 Mitsubishi Materials
 - 13.1.1 Mitsubishi Materials Company Information
 - 13.1.2 Mitsubishi Materials High-End PCB Drill Bit Rods Product Portfolios and Specifications
 - 13.1.3 Mitsubishi Materials High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.1.4 Mitsubishi Materials Main Business Overview
 - 13.1.5 Mitsubishi Materials Latest Developments

13.2 Axismateria (Sumitomo Electric Hardmetal)

13.2.1 Axismateria (Sumitomo Electric Hardmetal) Company Information

13.2.2 Axismateria (Sumitomo Electric Hardmetal) High-End PCB Drill Bit Rods

Product Portfolios and Specifications

13.2.3 Axismateria (Sumitomo Electric Hardmetal) High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Axismateria (Sumitomo Electric Hardmetal) Main Business Overview

13.2.5 Axismateria (Sumitomo Electric Hardmetal) Latest Developments

13.3 Nippon Tungsten

13.3.1 Nippon Tungsten Company Information

13.3.2 Nippon Tungsten High-End PCB Drill Bit Rods Product Portfolios and Specifications

13.3.3 Nippon Tungsten High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Nippon Tungsten Main Business Overview

13.3.5 Nippon Tungsten Latest Developments

13.4 Hyperion Materials & Technologies

13.4.1 Hyperion Materials & Technologies Company Information

13.4.2 Hyperion Materials & Technologies High-End PCB Drill Bit Rods Product Portfolios and Specifications

13.4.3 Hyperion Materials & Technologies High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Hyperion Materials & Technologies Main Business Overview

13.4.5 Hyperion Materials & Technologies Latest Developments

13.5 Sandvik

13.5.1 Sandvik Company Information

13.5.2 Sandvik High-End PCB Drill Bit Rods Product Portfolios and Specifications

13.5.3 Sandvik High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Sandvik Main Business Overview

13.5.5 Sandvik Latest Developments

13.6 Ceratizit

13.6.1 Ceratizit Company Information

13.6.2 Ceratizit High-End PCB Drill Bit Rods Product Portfolios and Specifications

13.6.3 Ceratizit High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Ceratizit Main Business Overview

13.6.5 Ceratizit Latest Developments

13.7 China Tungsten and Hightech Materials

- 13.7.1 China Tungsten and Hightech Materials Company Information
- 13.7.2 China Tungsten and Hightech Materials High-End PCB Drill Bit Rods Product Portfolios and Specifications
- 13.7.3 China Tungsten and Hightech Materials High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.7.4 China Tungsten and Hightech Materials Main Business Overview
- 13.7.5 China Tungsten and Hightech Materials Latest Developments
- 13.8 Shareate Tools
 - 13.8.1 Shareate Tools Company Information
 - 13.8.2 Shareate Tools High-End PCB Drill Bit Rods Product Portfolios and Specifications
 - 13.8.3 Shareate Tools High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.8.4 Shareate Tools Main Business Overview
 - 13.8.5 Shareate Tools Latest Developments
- 13.9 Zhuzhou Cemented Carbide Group
 - 13.9.1 Zhuzhou Cemented Carbide Group Company Information
 - 13.9.2 Zhuzhou Cemented Carbide Group High-End PCB Drill Bit Rods Product Portfolios and Specifications
 - 13.9.3 Zhuzhou Cemented Carbide Group High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.9.4 Zhuzhou Cemented Carbide Group Main Business Overview
 - 13.9.5 Zhuzhou Cemented Carbide Group Latest Developments
- 13.10 OKE Precision Cutting Tools
 - 13.10.1 OKE Precision Cutting Tools Company Information
 - 13.10.2 OKE Precision Cutting Tools High-End PCB Drill Bit Rods Product Portfolios and Specifications
 - 13.10.3 OKE Precision Cutting Tools High-End PCB Drill Bit Rods Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.10.4 OKE Precision Cutting Tools Main Business Overview
 - 13.10.5 OKE Precision Cutting Tools Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. High-End PCB Drill Bit Rods Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. High-End PCB Drill Bit Rods Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Fine Grain Carbide Rods

Table 4. Major Players of Ultra-fine Grain Carbide Rods

Table 5. Major Players of Nano Grain Carbide Rods

Table 6. Major Players of Others

Table 7. Global High-End PCB Drill Bit Rods Sales by Type (2021-2026) & (Tons)

Table 8. Global High-End PCB Drill Bit Rods Sales Market Share by Type (2021-2026)

Table 9. Global High-End PCB Drill Bit Rods Revenue by Type (2021-2026) & (\$ million)

Table 10. Global High-End PCB Drill Bit Rods Revenue Market Share by Type (2021-2026)

Table 11. Global High-End PCB Drill Bit Rods Sale Price by Type (2021-2026) & (US\$/Ton)

Table 12. Major Players of High-cobalt Toughness Cemented Carbide Rods

Table 13. Major Players of Low-cobalt High-hardness Cemented Carbide Rods

Table 14. Major Players of Others

Table 15. Global High-End PCB Drill Bit Rods Sales by Material (2021-2026) & (Tons)

Table 16. Global High-End PCB Drill Bit Rods Sales Market Share by Material (2021-2026)

Table 17. Global High-End PCB Drill Bit Rods Revenue by Material (2021-2026) & (\$ million)

Table 18. Global High-End PCB Drill Bit Rods Revenue Market Share by Material (2021-2026)

Table 19. Global High-End PCB Drill Bit Rods Sale Price by Material (2021-2026) & (US\$/Ton)

Table 20. Global High-End PCB Drill Bit Rods Sale by Application (2021-2026) & (Tons)

Table 21. Global High-End PCB Drill Bit Rods Sale Market Share by Application (2021-2026)

Table 22. Global High-End PCB Drill Bit Rods Revenue by Application (2021-2026) & (\$ million)

Table 23. Global High-End PCB Drill Bit Rods Revenue Market Share by Application (2021-2026)

Table 24. Global High-End PCB Drill Bit Rods Sale Price by Application (2021-2026) & (US\$/Ton)

Table 25. Global High-End PCB Drill Bit Rods Sales by Company (2021-2026) & (Tons)

Table 26. Global High-End PCB Drill Bit Rods Sales Market Share by Company (2021-2026)

Table 27. Global High-End PCB Drill Bit Rods Revenue by Company (2021-2026) & (\$ millions)

Table 28. Global High-End PCB Drill Bit Rods Revenue Market Share by Company (2021-2026)

Table 29. Global High-End PCB Drill Bit Rods Sale Price by Company (2021-2026) & (US\$/Ton)

Table 30. Key Manufacturers High-End PCB Drill Bit Rods Producing Area Distribution and Sales Area

Table 31. Players High-End PCB Drill Bit Rods Products Offered

Table 32. High-End PCB Drill Bit Rods Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 33. New Products and Potential Entrants

Table 34. Market M&A Activity & Strategy

Table 35. Global High-End PCB Drill Bit Rods Sales by Geographic Region (2021-2026) & (Tons)

Table 36. Global High-End PCB Drill Bit Rods Sales Market Share Geographic Region (2021-2026)

Table 37. Global High-End PCB Drill Bit Rods Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 38. Global High-End PCB Drill Bit Rods Revenue Market Share by Geographic Region (2021-2026)

Table 39. Global High-End PCB Drill Bit Rods Sales by Country/Region (2021-2026) & (Tons)

Table 40. Global High-End PCB Drill Bit Rods Sales Market Share by Country/Region (2021-2026)

Table 41. Global High-End PCB Drill Bit Rods Revenue by Country/Region (2021-2026) & (\$ millions)

Table 42. Global High-End PCB Drill Bit Rods Revenue Market Share by Country/Region (2021-2026)

Table 43. Americas High-End PCB Drill Bit Rods Sales by Country (2021-2026) & (Tons)

Table 44. Americas High-End PCB Drill Bit Rods Sales Market Share by Country (2021-2026)

Table 45. Americas High-End PCB Drill Bit Rods Revenue by Country (2021-2026) & (\$

millions)

Table 46. Americas High-End PCB Drill Bit Rods Sales by Type (2021-2026) & (Tons)

Table 47. Americas High-End PCB Drill Bit Rods Sales by Application (2021-2026) & (Tons)

Table 48. APAC High-End PCB Drill Bit Rods Sales by Region (2021-2026) & (Tons)

Table 49. APAC High-End PCB Drill Bit Rods Sales Market Share by Region (2021-2026)

Table 50. APAC High-End PCB Drill Bit Rods Revenue by Region (2021-2026) & (\$ millions)

Table 51. APAC High-End PCB Drill Bit Rods Sales by Type (2021-2026) & (Tons)

Table 52. APAC High-End PCB Drill Bit Rods Sales by Application (2021-2026) & (Tons)

Table 53. Europe High-End PCB Drill Bit Rods Sales by Country (2021-2026) & (Tons)

Table 54. Europe High-End PCB Drill Bit Rods Revenue by Country (2021-2026) & (\$ millions)

Table 55. Europe High-End PCB Drill Bit Rods Sales by Type (2021-2026) & (Tons)

Table 56. Europe High-End PCB Drill Bit Rods Sales by Application (2021-2026) & (Tons)

Table 57. Middle East & Africa High-End PCB Drill Bit Rods Sales by Country (2021-2026) & (Tons)

Table 58. Middle East & Africa High-End PCB Drill Bit Rods Revenue Market Share by Country (2021-2026)

Table 59. Middle East & Africa High-End PCB Drill Bit Rods Sales by Type (2021-2026) & (Tons)

Table 60. Middle East & Africa High-End PCB Drill Bit Rods Sales by Application (2021-2026) & (Tons)

Table 61. Key Market Drivers & Growth Opportunities of High-End PCB Drill Bit Rods

Table 62. Key Market Challenges & Risks of High-End PCB Drill Bit Rods

Table 63. Key Industry Trends of High-End PCB Drill Bit Rods

Table 64. High-End PCB Drill Bit Rods Raw Material

Table 65. Key Suppliers of Raw Materials

Table 66. High-End PCB Drill Bit Rods Distributors List

Table 67. High-End PCB Drill Bit Rods Customer List

Table 68. Global High-End PCB Drill Bit Rods Sales Forecast by Region (2027-2032) & (Tons)

Table 69. Global High-End PCB Drill Bit Rods Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 70. Americas High-End PCB Drill Bit Rods Sales Forecast by Country (2027-2032) & (Tons)

Table 71. Americas High-End PCB Drill Bit Rods Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 72. APAC High-End PCB Drill Bit Rods Sales Forecast by Region (2027-2032) & (Tons)

Table 73. APAC High-End PCB Drill Bit Rods Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 74. Europe High-End PCB Drill Bit Rods Sales Forecast by Country (2027-2032) & (Tons)

Table 75. Europe High-End PCB Drill Bit Rods Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 76. Middle East & Africa High-End PCB Drill Bit Rods Sales Forecast by Country (2027-2032) & (Tons)

Table 77. Middle East & Africa High-End PCB Drill Bit Rods Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 78. Global High-End PCB Drill Bit Rods Sales Forecast by Type (2027-2032) & (Tons)

Table 79. Global High-End PCB Drill Bit Rods Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 80. Global High-End PCB Drill Bit Rods Sales Forecast by Application (2027-2032) & (Tons)

Table 81. Global High-End PCB Drill Bit Rods Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 82. Mitsubishi Materials Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 83. Mitsubishi Materials High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 84. Mitsubishi Materials High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 85. Mitsubishi Materials Main Business

Table 86. Mitsubishi Materials Latest Developments

Table 87. Axismateria (Sumitomo Electric Hardmetal) Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 88. Axismateria (Sumitomo Electric Hardmetal) High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 89. Axismateria (Sumitomo Electric Hardmetal) High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 90. Axismateria (Sumitomo Electric Hardmetal) Main Business

Table 91. Axismateria (Sumitomo Electric Hardmetal) Latest Developments

Table 92. Nippon Tungsten Basic Information, High-End PCB Drill Bit Rods

Manufacturing Base, Sales Area and Its Competitors

Table 93. Nippon Tungsten High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 94. Nippon Tungsten High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 95. Nippon Tungsten Main Business

Table 96. Nippon Tungsten Latest Developments

Table 97. Hyperion Materials & Technologies Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 98. Hyperion Materials & Technologies High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 99. Hyperion Materials & Technologies High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 100. Hyperion Materials & Technologies Main Business

Table 101. Hyperion Materials & Technologies Latest Developments

Table 102. Sandvik Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 103. Sandvik High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 104. Sandvik High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 105. Sandvik Main Business

Table 106. Sandvik Latest Developments

Table 107. Ceratizit Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 108. Ceratizit High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 109. Ceratizit High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 110. Ceratizit Main Business

Table 111. Ceratizit Latest Developments

Table 112. China Tungsten and Hightech Materials Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 113. China Tungsten and Hightech Materials High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 114. China Tungsten and Hightech Materials High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 115. China Tungsten and Hightech Materials Main Business

Table 116. China Tungsten and Hightech Materials Latest Developments

Table 117. Shareate Tools Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 118. Shareate Tools High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 119. Shareate Tools High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 120. Shareate Tools Main Business

Table 121. Shareate Tools Latest Developments

Table 122. Zhuzhou Cemented Carbide Group Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 123. Zhuzhou Cemented Carbide Group High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 124. Zhuzhou Cemented Carbide Group High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 125. Zhuzhou Cemented Carbide Group Main Business

Table 126. Zhuzhou Cemented Carbide Group Latest Developments

Table 127. OKE Precision Cutting Tools Basic Information, High-End PCB Drill Bit Rods Manufacturing Base, Sales Area and Its Competitors

Table 128. OKE Precision Cutting Tools High-End PCB Drill Bit Rods Product Portfolios and Specifications

Table 129. OKE Precision Cutting Tools High-End PCB Drill Bit Rods Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 130. OKE Precision Cutting Tools Main Business

Table 131. OKE Precision Cutting Tools Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of High-End PCB Drill Bit Rods
- Figure 2. High-End PCB Drill Bit Rods Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global High-End PCB Drill Bit Rods Sales Growth Rate 2021-2032 (Tons)
- Figure 7. Global High-End PCB Drill Bit Rods Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. High-End PCB Drill Bit Rods Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. High-End PCB Drill Bit Rods Sales Market Share by Country/Region (2025)
- Figure 10. High-End PCB Drill Bit Rods Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Fine Grain Carbide Rods
- Figure 12. Product Picture of Ultra-fine Grain Carbide Rods
- Figure 13. Product Picture of Nano Grain Carbide Rods
- Figure 14. Product Picture of Others
- Figure 15. Global High-End PCB Drill Bit Rods Sales Market Share by Type in 2026
- Figure 16. Global High-End PCB Drill Bit Rods Revenue Market Share by Type (2021-2026)
- Figure 17. Product Picture of High-cobalt Toughness Cemented Carbide Rods
- Figure 18. Product Picture of Low-cobalt High-hardness Cemented Carbide Rods
- Figure 19. Product Picture of Others
- Figure 20. Global High-End PCB Drill Bit Rods Sales Market Share by Material in 2026
- Figure 21. Global High-End PCB Drill Bit Rods Revenue Market Share by Material (2021-2026)
- Figure 22. High-End PCB Drill Bit Rods Consumed in Consumer Electronics
- Figure 23. Global High-End PCB Drill Bit Rods Market: Consumer Electronics (2021-2026) & (Tons)
- Figure 24. High-End PCB Drill Bit Rods Consumed in Communication Equipment
- Figure 25. Global High-End PCB Drill Bit Rods Market: Communication Equipment (2021-2026) & (Tons)
- Figure 26. High-End PCB Drill Bit Rods Consumed in Automotive Electronics
- Figure 27. Global High-End PCB Drill Bit Rods Market: Automotive Electronics (2021-2026) & (Tons)

Figure 28. High-End PCB Drill Bit Rods Consumed in Data Center & AI Server

Figure 29. Global High-End PCB Drill Bit Rods Market: Data Center & AI Server (2021-2026) & (Tons)

Figure 30. High-End PCB Drill Bit Rods Consumed in Semiconductor Packaging

Figure 31. Global High-End PCB Drill Bit Rods Market: Semiconductor Packaging (2021-2026) & (Tons)

Figure 32. High-End PCB Drill Bit Rods Consumed in Others

Figure 33. Global High-End PCB Drill Bit Rods Market: Others (2021-2026) & (Tons)

Figure 34. Global High-End PCB Drill Bit Rods Sale Market Share by Application (2025)

Figure 35. Global High-End PCB Drill Bit Rods Revenue Market Share by Application in 2025

Figure 36. High-End PCB Drill Bit Rods Sales by Company in 2025 (Tons)

Figure 37. Global High-End PCB Drill Bit Rods Sales Market Share by Company in 2025

Figure 38. High-End PCB Drill Bit Rods Revenue by Company in 2025 (\$ millions)

Figure 39. Global High-End PCB Drill Bit Rods Revenue Market Share by Company in 2025

Figure 40. Global High-End PCB Drill Bit Rods Sales Market Share by Geographic Region (2021-2026)

Figure 41. Global High-End PCB Drill Bit Rods Revenue Market Share by Geographic Region in 2025

Figure 42. Americas High-End PCB Drill Bit Rods Sales 2021-2026 (Tons)

Figure 43. Americas High-End PCB Drill Bit Rods Revenue 2021-2026 (\$ millions)

Figure 44. APAC High-End PCB Drill Bit Rods Sales 2021-2026 (Tons)

Figure 45. APAC High-End PCB Drill Bit Rods Revenue 2021-2026 (\$ millions)

Figure 46. Europe High-End PCB Drill Bit Rods Sales 2021-2026 (Tons)

Figure 47. Europe High-End PCB Drill Bit Rods Revenue 2021-2026 (\$ millions)

Figure 48. Middle East & Africa High-End PCB Drill Bit Rods Sales 2021-2026 (Tons)

Figure 49. Middle East & Africa High-End PCB Drill Bit Rods Revenue 2021-2026 (\$ millions)

Figure 50. Americas High-End PCB Drill Bit Rods Sales Market Share by Country in 2025

Figure 51. Americas High-End PCB Drill Bit Rods Revenue Market Share by Country (2021-2026)

Figure 52. Americas High-End PCB Drill Bit Rods Sales Market Share by Type (2021-2026)

Figure 53. Americas High-End PCB Drill Bit Rods Sales Market Share by Application (2021-2026)

Figure 54. United States High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$

millions)

Figure 55. Canada High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 56. Mexico High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 57. Brazil High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 58. APAC High-End PCB Drill Bit Rods Sales Market Share by Region in 2025

Figure 59. APAC High-End PCB Drill Bit Rods Revenue Market Share by Region (2021-2026)

Figure 60. APAC High-End PCB Drill Bit Rods Sales Market Share by Type (2021-2026)

Figure 61. APAC High-End PCB Drill Bit Rods Sales Market Share by Application (2021-2026)

Figure 62. China High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 63. Japan High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 64. South Korea High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 65. Southeast Asia High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 66. India High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 67. Australia High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 68. China Taiwan High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 69. Europe High-End PCB Drill Bit Rods Sales Market Share by Country in 2025

Figure 70. Europe High-End PCB Drill Bit Rods Revenue Market Share by Country (2021-2026)

Figure 71. Europe High-End PCB Drill Bit Rods Sales Market Share by Type (2021-2026)

Figure 72. Europe High-End PCB Drill Bit Rods Sales Market Share by Application (2021-2026)

Figure 73. Germany High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 74. France High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 75. UK High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 76. Italy High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 77. Russia High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 78. Middle East & Africa High-End PCB Drill Bit Rods Sales Market Share by Country (2021-2026)

Figure 79. Middle East & Africa High-End PCB Drill Bit Rods Sales Market Share by Type (2021-2026)

Figure 80. Middle East & Africa High-End PCB Drill Bit Rods Sales Market Share by Application (2021-2026)

Figure 81. Egypt High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 82. South Africa High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 83. Israel High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 84. Turkey High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 85. GCC Countries High-End PCB Drill Bit Rods Revenue Growth 2021-2026 (\$ millions)

Figure 86. Manufacturing Cost Structure Analysis of High-End PCB Drill Bit Rods in 2026

Figure 87. Manufacturing Process Analysis of High-End PCB Drill Bit Rods

Figure 88. Industry Chain Structure of High-End PCB Drill Bit Rods

Figure 89. Channels of Distribution

Figure 90. Global High-End PCB Drill Bit Rods Sales Market Forecast by Region (2027-2032)

Figure 91. Global High-End PCB Drill Bit Rods Revenue Market Share Forecast by Region (2027-2032)

Figure 92. Global High-End PCB Drill Bit Rods Sales Market Share Forecast by Type (2027-2032)

Figure 93. Global High-End PCB Drill Bit Rods Revenue Market Share Forecast by Type (2027-2032)

Figure 94. Global High-End PCB Drill Bit Rods Sales Market Share Forecast by Application (2027-2032)

Figure 95. Global High-End PCB Drill Bit Rods Revenue Market Share Forecast by Application (2027-2032)

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