

Global High-End PCB Drill Bit Rods Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global High-End PCB Drill Bit Rods market size was valued at US\$ 149 million in 2025 and is forecast to a readjusted size of US\$ 265 million by 2032 with a CAGR of 7.3% during review period.

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.

This report is a detailed and comprehensive analysis for global High-End PCB Drill Bit Rods market. Both quantitative and qualitative analyses are presented by

manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global High-End PCB Drill Bit Rods market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global High-End PCB Drill Bit Rods market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global High-End PCB Drill Bit Rods market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global High-End PCB Drill Bit Rods market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for High-End PCB Drill Bit Rods

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global High-End PCB Drill Bit Rods market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include 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, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

High-End PCB Drill Bit Rods market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Fine Grain Carbide Rods

Ultra-fine Grain Carbide Rods

Nano Grain Carbide Rods

Others

Market segment by Material

High-cobalt Toughness Cemented Carbide Rods

Low-cobalt High-hardness Cemented Carbide Rods

Others

Market segment by Application

Consumer Electronics

Communication Equipment

Automotive Electronics

Data Center & AI Server

Semiconductor Packaging

Others

Major players covered

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

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe High-End PCB Drill Bit Rods product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High-End PCB Drill Bit Rods, with price, sales quantity, revenue, and global market share of High-End PCB Drill Bit Rods from 2021 to 2026.

Chapter 3, the High-End PCB Drill Bit Rods competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High-End PCB Drill Bit Rods breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and High-End PCB Drill Bit Rods market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of High-End PCB Drill Bit Rods.

Chapter 14 and 15, to describe High-End PCB Drill Bit Rods sales channel,

distributors, customers, research findings and conclusion.

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