

Global Tungsten Carbide Drill Bits for Print Circuit Board Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Tungsten Carbide Drill Bits for Print Circuit Board market size is expected to reach \$ 515 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032).

Tungsten Carbide Drill Bits for Printed Circuit Boards (PCB) are ultra-precision cutting tools made from cemented carbide materials, designed for high-speed drilling of micro holes in PCB manufacturing processes. These drill bits are widely used in HDI boards, IC substrates, and multilayer PCBs, where hole diameters can be extremely small and require high positional accuracy. With advantages such as high hardness, wear resistance, and thermal stability, tungsten carbide drill bits enable efficient and consistent drilling performance, making them essential tools in electronics and semiconductor industries. In 2025, global Tungsten Carbide Drill Bits for Print Circuit Board production reached approximately 43 million units, with an average global market price of around 8 USD/unit. The production capacity for Tungsten Carbide Drill Bits for Print Circuit Board in 2025 was approximately 45 million units. The typical gross profit margin for Tungsten Carbide Drill Bits for Print Circuit Board between 20% and 40%.

The market for tungsten carbide drill bits for PCB is driven by the rapid growth of consumer electronics, AI servers, and advanced semiconductor packaging technologies. Increasing demand for miniaturization and high-density interconnect (HDI) PCBs is pushing the need for ultra-small diameter and high-precision drilling tools. Asia-Pacific, particularly China, Taiwan, Japan, and South Korea, dominates the market due to the concentration of PCB manufacturing. Technological advancements in coatings, micro-drilling, and tool life enhancement continue to shape the competitive landscape.

This report studies the global Tungsten Carbide Drill Bits for Print Circuit Board

production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Tungsten Carbide Drill Bits for Print Circuit Board and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Tungsten Carbide Drill Bits for Print Circuit Board that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Tungsten Carbide Drill Bits for Print Circuit Board total production and demand, 2021-2032, (K Units)

Global Tungsten Carbide Drill Bits for Print Circuit Board total production value, 2021-2032, (USD Million)

Global Tungsten Carbide Drill Bits for Print Circuit Board production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Tungsten Carbide Drill Bits for Print Circuit Board consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Tungsten Carbide Drill Bits for Print Circuit Board domestic production, consumption, key domestic manufacturers and share

Global Tungsten Carbide Drill Bits for Print Circuit Board production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Tungsten Carbide Drill Bits for Print Circuit Board production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Tungsten Carbide Drill Bits for Print Circuit Board production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Tungsten Carbide Drill Bits for Print Circuit Board market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kennametal, Iscar, Sumitomo Electric, Mitsubishi Materials, OSG Corporation, Kyocera, Seco Tools, Guhring, Mapal, Dormer Pramet, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Tungsten Carbide Drill Bits for Print Circuit Board market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Tungsten Carbide Drill Bits for Print Circuit Board Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Tungsten Carbide Drill Bits for Print Circuit Board Market, Segmentation by Type:

Solid Carbide Drill

Indexable Carbide Drill

Carbide Tipped Drill

Others

Global Tungsten Carbide Drill Bits for Print Circuit Board Market, Segmentation by Bit Size:

Micro-diameter Drill Bits (20 mm)

Global Tungsten Carbide Drill Bits for Print Circuit Board Market, Segmentation by Coating:

Uncoated

TiN

TiCN

Other

Global Tungsten Carbide Drill Bits for Print Circuit Board Market, Segmentation by Application:

Automotive Manufacturing

Aerospace

Mold Processing

Electronics

Other

Companies Profiled:

Kennametal

Iscar

Sumitomo Electric

Mitsubishi Materials

OSG Corporation

Kyocera

Seco Tools

Guhring

Mapal

Dormer Pramet

Sandvik

CERATIZIT

SHAREATE TOOLS

Hebei Ruishi Bit

Key Questions Answered:

1. How big is the global Tungsten Carbide Drill Bits for Print Circuit Board market?
2. What is the demand of the global Tungsten Carbide Drill Bits for Print Circuit Board market?
3. What is the year over year growth of the global Tungsten Carbide Drill Bits for Print Circuit Board market?
4. What is the production and production value of the global Tungsten Carbide Drill Bits for Print Circuit Board market?
5. Who are the key producers in the global Tungsten Carbide Drill Bits for Print Circuit Board market?
6. What are the growth factors driving the market demand?

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