

# Global Tungsten Carbide Powder (WC) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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#### **Abstracts**

According to our (Global Info Research) latest study, the global Tungsten Carbide Powder (WC) market size was valued at USD 1898.4 million in 2023 and is forecast to a readjusted size of USD 2406.4 million by 2030 with a CAGR of 3.4% during review period.

Tungsten carbide is a made up of chemically bonded tungsten and carbide. Its superior hardness enables it to replace steel and other metal alloys in a variety of applications. Colloquially, tungsten carbide is often simply called carbide. In its most basic form, it is a fine gray powder, but it can be pressed and formed into shapes for use in industrial machinery, tools, abrasives, as well as jewelry. Tungsten carbide is approximately four times stiffer than steel, with a Young's modulus of approximately 550 GPa, and is much denser than steel or titanium. It is comparable with corundum (a-Al2O3) in hardness and can only be polished and finished with diamond wheels and compounds.

Global Tungsten Carbide Powder (WC) key players include Sandvik, Xiamen Tungsten, China Minmetals Corporation, Element Six, Jiangxi Yaosheng, etc. Global top five manufacturers hold a share about 55%. Asia-Pacific is the largest market, with a share about 50%, followed by Europe and North America, total have a share about 35 percent. In terms of product, Grain Sizes 1-10 µm is the largest segment, with a share about 45%. And in terms of application, the largest application is Machine Tools & Components, followed by Cutting Tools, Dies & Punches, etc.

The Global Info Research report includes an overview of the development of the Tungsten Carbide Powder (WC) industry chain, the market status of Machine Tools & Components (Grain Sizes Below 1 µm, Grain Sizes 1-10 µm), Cutting Tools (Grain



Sizes Below 1  $\mu$ m, Grain Sizes 1-10  $\mu$ m), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Tungsten Carbide Powder (WC).

Regionally, the report analyzes the Tungsten Carbide Powder (WC) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Tungsten Carbide Powder (WC) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Tungsten Carbide Powder (WC) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Tungsten Carbide Powder (WC) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (MT), revenue generated, and market share of different by Type (e.g., Grain Sizes Below 1 µm, Grain Sizes 1-10 µm).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Tungsten Carbide Powder (WC) market.

Regional Analysis: The report involves examining the Tungsten Carbide Powder (WC) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Tungsten Carbide Powder (WC) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Tungsten Carbide Powder (WC):



Company Analysis: Report covers individual Tungsten Carbide Powder (WC) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Tungsten Carbide Powder (WC) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Machine Tools & Components, Cutting Tools).

Technology Analysis: Report covers specific technologies relevant to Tungsten Carbide Powder (WC). It assesses the current state, advancements, and potential future developments in Tungsten Carbide Powder (WC) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Tungsten Carbide Powder (WC) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Tungsten Carbide Powder (WC) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Grain Sizes Below 1 µm

Grain Sizes 1-10 µm

Grain Sizes Above 10 µm



## Market segment by Application Machine Tools & Components **Cutting Tools** Dies & Punches Others (Abrasive Products, etc.) Major players covered Sandvik Xiamen Tungsten China Minmetals Element Six Jiangxi Yaosheng GuangDong XiangLu Tungsten Chongyi Zhangyyuan Tungsten Plansee (GTP) **JXTC** Japan New Metals **AST** Kohsei

**ALMT** 



2019 to 2024.

Kennametal
H.C.Starck
TaeguTec
Wolfram JSC
Buffalo Tungsten
ERAMET
Lineage Alloys
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 Tungsten Carbide Powder (WC) product scope, market overview, market estimation caveats and base year.
Chapter 2, to profile the top manufacturers of Tungsten Carbide Powder (WC), with price, sales, revenue and global market share of Tungsten Carbide Powder (WC) from

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Chapter 3, the Tungsten Carbide Powder (WC) competitive situation, sales quantity,



revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Tungsten Carbide Powder (WC) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023.and Tungsten Carbide Powder (WC) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Tungsten Carbide Powder (WC).

Chapter 14 and 15, to describe Tungsten Carbide Powder (WC) sales channel, distributors, customers, research findings and conclusion.



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