

Global Tungsten Carbide Hard Alloy Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Tungsten Carbide Hard Alloy market size is expected to reach \$ 21024 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Tungsten carbide cemented carbide is a high-hardness composite material produced through powder metallurgy sintering; it consists of tungsten carbide as the hard phase and metals such as cobalt or nickel as the binder phase. Characterized by exceptional wear resistance, high-temperature stability, and high compressive strength, it is widely utilized in cutting tools, molds, mining tools, and wear-resistant components.

The upstream sector encompasses tungsten ore, tungsten concentrates, Ammonium Paratungstate (APT), tungsten carbide powder, cobalt powder, nickel powder, tantalum-niobium carbides, and powder metallurgy equipment. The downstream sector finds application in fields such as mechanical processing, automotive manufacturing, aerospace, mining, oil and gas drilling, and electronic molds.

Globally, the average unit price for tungsten carbide cemented carbide stands at \$182 per kilogram, with global sales volume reaching approximately 81,100 tons. The industry's annual production capacity ranges from 110,000 to 140,000 tons, and the profit margin is approximately 22%.

This report studies the global Tungsten Carbide Hard Alloy production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Tungsten Carbide Hard Alloy 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 Hard Alloy that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Tungsten Carbide Hard Alloy total production and demand, 2021-2032, (Tons)

Global Tungsten Carbide Hard Alloy total production value, 2021-2032, (USD Million)

Global Tungsten Carbide Hard Alloy production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Tungsten Carbide Hard Alloy consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Tungsten Carbide Hard Alloy domestic production, consumption, key domestic manufacturers and share

Global Tungsten Carbide Hard Alloy production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Tungsten Carbide Hard Alloy production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Tungsten Carbide Hard Alloy production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Tungsten Carbide Hard Alloy 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 Axismateria, Sandvik, Hyperion Materials & Technologies, Federal Carbide, CERATIZIT, G?hring, Walter, Betek, DURIT, Mitsubishi Materials, 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 Hard Alloy market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) 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 Hard Alloy Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Tungsten Carbide Hard Alloy Market, Segmentation by Type:

WC-Co Cemented Carbide

WC-Ni Cemented Carbide

WC-Co-Ni Cemented Carbide

WC-TiC-Co Cemented Carbide

WC-TiC-TaC-Co Cemented Carbide

Global Tungsten Carbide Hard Alloy Market, Segmentation by Cobalt Content:

Low-Cobalt Cemented Carbide

Medium-Cobalt Cemented Carbide

High-Cobalt Cemented Carbide

Global Tungsten Carbide Hard Alloy Market, Segmentation by Processing Method:

Pressed and Sintered Cemented Carbide

Extruded Cemented Carbide

Injection-Molded Cemented Carbide

Hot-Isostatic-Pressed Cemented Carbide

Additive-Manufactured Cemented Carbide

Global Tungsten Carbide Hard Alloy Market, Segmentation by Application:

Cutting Tool

Mining Tool

Drilling Tool

Wear-Resistant

Mold

Oilfield

Others

Companies Profiled:

Axismateria

Sandvik

Hyperion Materials & Technologies

Federal Carbide

CERATIZIT

G?hring

Walter

Betek

DURIT

Mitsubishi Materials

Sumitomo Electric Hardmetal

Kyocera

Tungaloy

ISCAR

TaeguTec

KORLOY

Zhuzhou Cemented Carbide Group

Xiamen Golden Egret Special Alloy

Minmetals Tungsten

Chongyi Zhangyuan Tungsten

Key Questions Answered:

Global Tungsten Carbide Hard Alloy Supply, Demand and Key Producers, 2026-2032

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

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