

# Global Diamond Coated Tools for Composites Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Diamond Coated Tools for Composites market size is expected to reach \$ 365 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

Diamond Coated Tools for Composites are high-performance tools featuring a cemented carbide substrate onto which a high-purity diamond thin film is deposited using techniques such as chemical vapor deposition (CVD). They combine the toughness of cemented carbide with the exceptional hardness and wear resistance of diamond.

Upstream components primarily include ultrafine-grained cemented carbide rods, cobalt-based cemented carbide substrates, gas sources for CVD diamond coating, grinding wheels, coating equipment, tool holding systems, and inspection equipment. The cemented carbide substrate determines tool strength, edge retention, and resistance to chipping, while the CVD diamond coating determines wear life, frictional characteristics, and resistance to abrasive wear from fibers. The midstream sector encompasses tool design, precision grinding, edge treatment, diamond coating deposition, post-processing, and quality inspection. Downstream applications focus on the processing of composite materials for aerospace, lightweight automotive components, wind turbine blades, rail transit, shipbuilding, and electronics; key requirements include long service life, minimal delamination, high hole quality, and stable batch processing performance.

In 2025, global sales volume is projected to reach approximately 1.85 million units at an average price of around \$128 per unit, with major manufacturers achieving gross margins of approximately 35%-55%.

This report studies the global Diamond Coated Tools for Composites production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Diamond Coated Tools for Composites 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 Diamond Coated Tools for Composites that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Diamond Coated Tools for Composites total production and demand, 2021-2032, (K Units)

Global Diamond Coated Tools for Composites total production value, 2021-2032, (USD Million)

Global Diamond Coated Tools for Composites production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Diamond Coated Tools for Composites consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Diamond Coated Tools for Composites domestic production, consumption, key domestic manufacturers and share

Global Diamond Coated Tools for Composites production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Diamond Coated Tools for Composites production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Diamond Coated Tools for Composites production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Diamond Coated Tools for Composites 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 Sandvik Coromant, Kennametal, OSG, Mitsubishi Materials, Sumitomo Electric Hardmetal, Kyocera, Seco Tools, Guhring, MAPAL, CERATIZIT, 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 Diamond Coated Tools for Composites 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 Diamond Coated Tools for Composites Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Diamond Coated Tools for Composites Market, Segmentation by Type:

Diamond-Coated End Mills

Diamond-Coated Drill Bits

Others

#### Global Diamond Coated Tools for Composites Market, Segmentation by Material

### Systems:

CFRP

GFRP

Graphite-Based Composites

Ceramic-Based Composites

Others

### Global Diamond Coated Tools for Composites Market, Segmentation by Application:

Aerospace

Automotive

Power and Energy

Rail Transportation

Industrial Components

Other

### Companies Profiled:

Sandvik Coromant

Kennametal

OSG

Mitsubishi Materials

Sumitomo Electric Hardmetal

Kyocera

Seco Tools

Guhring

MAPAL

CERATIZIT

Telcon Diamond

CVD Diamond Corporation

Worldia

Xiamen Golden Egret Special Alloy

#### Key Questions Answered:

1. How big is the global Diamond Coated Tools for Composites market?
2. What is the demand of the global Diamond Coated Tools for Composites market?
3. What is the year over year growth of the global Diamond Coated Tools for Composites market?
4. What is the production and production value of the global Diamond Coated Tools for Composites market?
5. Who are the key producers in the global Diamond Coated Tools for Composites market?
6. What are the growth factors driving the market demand?

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