

Global Diamond Coated Tools for Composites 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 Diamond Coated Tools for Composites market size was valued at US\$ 244 million in 2025 and is forecast to a readjusted size of US\$ 365 million by 2032 with a CAGR of 6.0% during review period.

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 is a detailed and comprehensive analysis for global Diamond Coated Tools for Composites 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 Diamond Coated Tools for Composites market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Diamond Coated Tools for Composites market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Diamond Coated Tools for Composites market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Diamond Coated Tools for Composites market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 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 Diamond Coated Tools for Composites
- 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 Diamond Coated Tools for Composites

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 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.

Market Segmentation

Diamond Coated Tools for Composites 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

Diamond-Coated End Mills

Diamond-Coated Drill Bits

Others

Market segment by Material Systems

CFRP

GFRP

Graphite-Based Composites

Ceramic-Based Composites

Others

Market segment by Application

Aerospace

Automotive

Power and Energy

Rail Transportation

Industrial Components

Other

Major players covered

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

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 Diamond Coated Tools for Composites product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Diamond Coated Tools for Composites, with price, sales quantity, revenue, and global market share of Diamond Coated Tools for Composites from 2021 to 2026.

Chapter 3, the Diamond Coated Tools for Composites competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Diamond Coated Tools for Composites 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 Diamond Coated Tools for Composites 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 Diamond Coated Tools for Composites.

Chapter 14 and 15, to describe Diamond Coated Tools for Composites sales channel, distributors, customers, research findings and conclusion.

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