

# Global Hard and Superhard Materials Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Hard and Superhard Materials market size was valued at US\$ 2583 million in 2025 and is forecast to a readjusted size of US\$ 4083 million by 2032 with a CAGR of 6.7% during review period.

Hard and superhard materials are a class of materials with extremely high hardness and wear resistance, widely used in industrial manufacturing, tool making, and mining. These materials include cemented carbide, ceramics, diamond, and cubic boron nitride (CBN), primarily used for high-intensity cutting, drilling, grinding, and other high-wear-resistance applications. Hard materials typically consist of a metallic matrix and a hardened material (such as tungsten carbide), while superhard materials refer to materials with extremely high hardness, such as natural and synthetic diamonds, exhibiting superior cutting, grinding, and drilling performance. The upstream of hard and superhard materials mainly involves the mining and processing of rare metals, chemical raw materials, and natural ores, sourced from global mining companies and chemical raw material suppliers. Downstream demand primarily comes from tool manufacturers, mining equipment manufacturers, and the high-precision machining industry, particularly in aerospace, automotive manufacturing, and oil drilling, where demand for hard materials continues to grow. In the future, with the continuous development of advanced manufacturing, automation and intelligent production technologies, the application scope of hard and superhard materials will continue to expand, especially the demand for tools in high-precision machining and extreme working conditions will become an important growth point in the market.

This report is a detailed and comprehensive analysis for global Hard and Superhard Materials market. Both quantitative and qualitative analyses are presented by company,

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 Hard and Superhard Materials market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Hard and Superhard Materials market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Hard and Superhard Materials market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Hard and Superhard Materials market shares of main players, in revenue (\$ Million), 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 Hard and Superhard Materials

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 Hard and Superhard Materials market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Element Six, Sandvik, ILJIN Diamond, Sumitomo Electric, CERATIZIT, Mitsubishi Materials, SuperMetalix, Alfa Chemistry, SF Diamond, Huanghe Whirlwind, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

## Market segmentation

Hard and Superhard Materials 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. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Hard Materials

Superhard Materials

### Market segment by Grain Size

Grain Size: 2-5  $\mu$ m

Grain Size: 1.5  $\mu$ m

Grain Size: 0.2-1  $\mu$ m

### Market segment by Superhard Material Morphology

Single-crystal Superhard Materials

Polycrystalline Composite Sheets

Superhard Thin Films/CVD Diamond

### Market segment by Application

Industrial Manufacturing

Mining

Aerospace

Others

Market segment by players, this report covers

Element Six

Sandvik

ILJIN Diamond

Sumitomo Electric

CERATIZIT

Mitsubishi Materials

SuperMetalix

Alfa Chemistry

SF Diamond

Huanghe Whirlwind

Tesch

More SuperHard

Hyperion Materials & Technologies

CY Carbide

KENTE

KAINA

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Hard and Superhard Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Hard and Superhard Materials, with revenue, gross margin, and global market share of Hard and Superhard Materials from 2021 to 2026.

Chapter 3, the Hard and Superhard Materials competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Hard and Superhard Materials market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Hard and Superhard Materials.

Chapter 13, to describe Hard and Superhard Materials research findings and conclusion.

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