

Global Synthetic Diamond Production, Demand and Key Producers, 2022-2028

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Abstracts

Synthetic diamond is usually produced by subjecting graphite to very high temperatures and pressures. Synthetic diamond resembles natural diamond in most fundamental properties, retaining the extreme hardness, broad transparency (when pure), high thermal conductivity, and high electrical resistivity for which diamond is highly prized. Because synthesis is an expensive process, large stones of gem quality are rarely made. Instead, most synthetic diamond is produced as grit or small crystals that are used to provide hard coatings for industrial equipment such as grinding wheels, machine tools, wire-drawing dies, quarrying saws, and mining drills. In addition, diamond films can be grown on various materials by subjecting carbon-containing gas to extreme heat, and those layers can be used in cutting tools, windows for optical devices, or substrates for semiconductors.

This report studies the global Synthetic Diamond production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Synthetic Diamond, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2021 as the base year. This report explores demand trends and competition, as well as details the characteristics of Synthetic Diamond that contribute to its increasing demand across many markets.

The global Synthetic Diamond market size is expected to reach \$ 3263 million by 2028, rising at a market growth of 7.9% CAGR during the forecast period (2022-2028).

Highlights and key features of the study

Global Synthetic Diamond total production and demand, 2017-2028, (M Carats)

Global Synthetic Diamond total production value, 2017-2028, (USD Million)

Global Synthetic Diamond production by region & country, production, value, CAGR, 2017-2028, (USD Million) & (M Carats)

Global Synthetic Diamond consumption by region & country, CAGR, 2017-2028 & (M Carats)

U.S. VS China: Synthetic Diamond domestic production, consumption, key domestic manufacturers and share

Global Synthetic Diamond production by manufacturer, production, price, value and market share 2017-2022, (USD Million) & (M Carats)

Global Synthetic Diamond production by Type, production, value, CAGR, 2017-2028, (USD Million) & (M Carats)

Global Synthetic Diamond production by Application production, value, CAGR, 2017-2028, (USD Million) & (M Carats)

This reports profiles key players in the global Synthetic Diamond market based on the following parameters – headquarters, production locations, products portfolio, Synthetic Diamond revenue, sales, average price and gross margin, recent developments.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Synthetic Diamond market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (M Carats) and average price (US\$/K Carats) by manufacturer, by Type, and by Application. Data is given for the years 2017-2028 by year with 2021 as the base year, 2022 as the estimate year, and 2028 as the forecast year.

Global Synthetic Diamond Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Global Synthetic Diamond Market, Segmentation by Type

HPHT

CVD

Global Synthetic Diamond Market, Segmentation by Application

Construction Material

Machining and Cutting Tools

Diamond

Others

Companies Profiled:

Element Six

Zhongnan Diamond

Huanghe Whirlwind

Diamond Foundry

Sino-Crystal Diamond

Ningbo Crysdiam Technology

Ila Technologies

Henan Liliang Diamond

ILJIN Diamond

Sumitomo Electric Industries

Shanghai Zhengshi Technology

CR GEMS

Anhui Hongjing New Materials

Henan Yalong Superhard Materials

Key Questions Answered

1. How big is the global Synthetic Diamond market?
2. What is the demand of the global Synthetic Diamond market?
3. What is the year over year growth of the global Synthetic Diamond market?
4. What is the production and production value of the global Synthetic Diamond market?
5. Who are the key producers in the global Synthetic Diamond market?

6. What are the growth factors driving the market demand?

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