

Global and China Synthetic Diamond Industry Report, 2020-2026

June 2020

STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

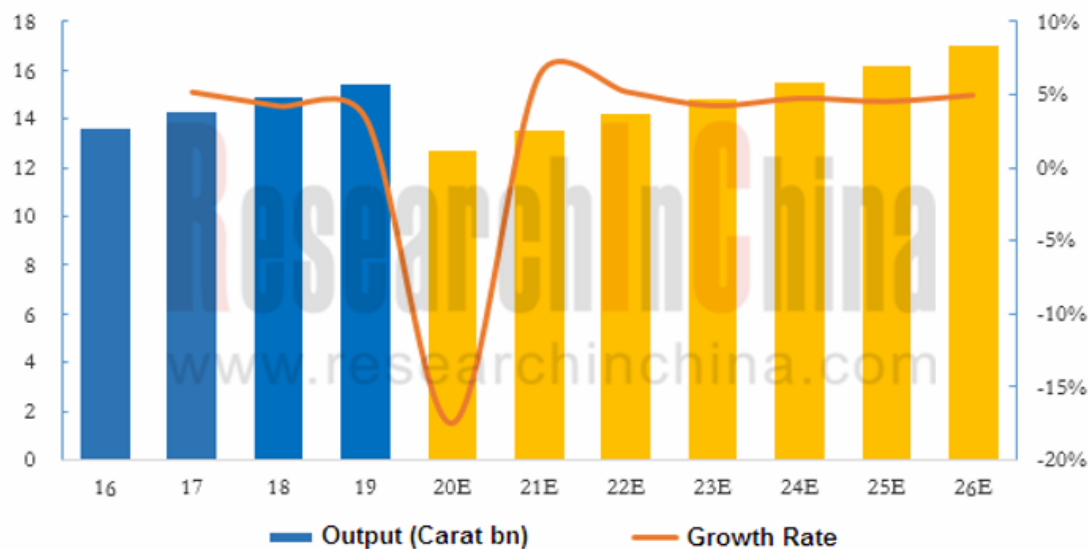
INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

Abstract

While its mechanical property is given full play in fields like grinding and cutting, diamond with acoustic, optical, magnetic, thermal and other special properties, as superconducting material, intelligent material, optical functional material and electrical functional material, also find ever wider use in high-tech areas encompassing aerospace, military & defense, medical testing and treatment, electronics & electrical appliances, and high-end equipment manufacturing. Synthetic diamonds are badly needed to fill the gap left by natural diamonds which are in short supply due to depletion of such mineral resources. In 2019, China produced 15.4 billion carats of synthetic diamond, showing the CAGR of 5.9% between 2010 and 2019. It is expected that China's synthetic diamond output will sustain growth and hit 17.0 billion carats in 2026, as fast, efficient, precise and green processing prevails and the products with higher grade and added value are applied in more field.

Synthetic Diamond Output and Growth Rate in China, 2016-2026E



Source: Global and China Synthetic Diamond Industry Report, 2020-2026 Jun 2020 ResearchInChina
 水清木华研究中心

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Synthetic diamonds are applicable to a wide range of sectors but still largely used for materials processing to date, of which 63% are found in stone and building materials processing, roughly 15% in electromechanical industry, around 2% in geological drilling and the remaining in fields like aerospace, military & defense, medical testing and treatment, electronics & electrical appliances, and high-end equipment manufacturing.

The synthetic diamond market is highly concentrated in China, with CR3 reaching 76% or so in 2019. Elaborately, Zhongnan Diamond Co., Ltd. as China's biggest diamond producer swept 39% of the market, with synthetic diamond capacity of 6.57 billion carats/year; Henan Huanghe Whirlwind Co., Ltd. followed with around 20% shares and superhard materials capacity up to 2.52 billion carats/year; the third-ranking Zhengzhou Sino-Crystal Diamond Co., Ltd. took a 17% share, producing 2.5 billion carats of synthetic diamonds in 2019.

Highlights of the report:

- ◆ Synthetic diamond (definition, classification, technology trends, industry chain, etc.);
- ◆ Synthetic diamond, diamond micro powder and drawing die blank markets (development and trends);
- ◆ Development of major raw materials (graphite, pyrophyllite, metallic catalyst, etc.) for synthetic diamond;
- ◆ Synthetic diamond saw blade, diamond grinding wheel, diamond cutting tool, diamond wire and synthetic diamond markets (development and trends);
- ◆ 26 global and Chinese synthetic diamond companies (operation, development strategy, etc.).

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