

2018-2023 Global Single Crystal Diamond Consumption Market Report

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Abstracts

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In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Single Crystal Diamond market for 2018-2023.

Single crystal diamond is one type of synthetic diamond which is also known as an artificial diamond, cultured diamond, or cultivated diamond. Single crystal diamond is also widely known as HPHT diamond or CVD diamond after the two common production methods (referring to the high-pressure high-temperature and chemical vapor deposition crystal formation methods, respectively). It is wide used in cutting tools, wheel dressing, specialty knives, burnishing tools, wear parts and other wide range of high technology application such as optical, electronic and certain mechanical applications.

In consumption market, the growth rate of global consumption is smooth relatively. China is still the mainly consumption region due to the advanced production technology and rapid development of economy.

There are two major technologies to produce single crystal diamond, such as HPHT (high pressure, high temperature) and CVD (chemical vapour deposition). HPHT is the major technology which account for 90% in 2016. Single crystal diamond can be widely used in mechanical device, optical material, electron device, jewelry and others. Survey results showed that mechanical device is the major consumption of single crystal diamond, which accounts for 70% in 2016. With the development of economy, these industries will need more single crystal diamond. So, single crystal diamond has a huge market potential in the future.

The major raw material for single crystal diamond is graphite and pyrophyllite, etc. On the global market, supply of raw materials is full. Fluctuations in the price of the

upstream product will impact on the production cost of single crystal diamond industry.

Over the next five years, LPI(LP Information) projects that Single Crystal Diamond will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Single Crystal Diamond market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

HPHT (high pressure, high temperature)

CVD (chemical vapour deposition)

Segmentation by application:

Mechanical Device

Optical Material

Electron Device

Jewelry

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

ZhongNan Diamond

Henan Huanghe Whirlwind

Zhengzhou Sino-Crystal Diamond

CR GEMS Diamond

Element Six

Jinqu Chaoying Diamond

Sumitomo Electric

Microwave Enterprises

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Single Crystal Diamond consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Single Crystal Diamond market by identifying its various subsegments.

Focuses on the key global Single Crystal Diamond manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Single Crystal Diamond with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Single Crystal Diamond submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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