

Global Synthetic Quartz Ingot Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Synthetic Quartz Ingot market size was valued at US\$ 490 million in 2023 and is forecast to a readjusted size of USD 676 million by 2030 with a CAGR of 4.7% during review period.

Synthetic quartz ingots, as a high-purity, high-density material extracted from quartz raw materials through precision technology, have extremely wide-ranging and important properties and uses. The preparation process of this material usually involves complex chemical and physical reactions, aiming to remove impurities in the raw materials, improve their purity, and achieve the required density and structure through specific process means.

According to the transparency of the product and the specific application field, synthetic quartz ingots can be divided into two categories: transparent quartz and opaque quartz. Transparent quartz plays a vital role in optics, semiconductors and other fields due to its excellent light transmittance, thermal stability and chemical stability. Opaque quartz, on the other hand, has a wide range of applications in other fields that require high-durability materials, such as industry, due to its high strength, wear resistance and high temperature resistance.

The production areas of synthetic quartz ingots in various regions of the world are mainly distributed in Japan, mainland China and Europe. Among them, mainland China and Japan account for 85% of the market share. Although there are differences in technology and product performance between Chinese synthetic quartz ingot companies and international leading companies (such as Shin-Etsu and Heraeus), they still have certain competitiveness in specific application fields. Some companies have also gained a certain market share from the leading companies of synthetic quartz ingots, such as Changfei Quartz.

In terms of type, transparent synthetic quartz ingots occupy the main market share, with a market share of more than 96%. Due to its high purity and good light transmittance, transparent synthetic quartz ingots will continue to maintain a leading position in the future.

From the application level, different fields have different requirements for synthetic quartz ingots. Especially in the semiconductor field, the requirements are relatively high, but the application share is also relatively large, and the semiconductor market share is close to 80%. With the growth of demand in the semiconductor mask substrate market, the semiconductor market share will further increase.

Globally, the main synthetic quartz ingot companies are Shin-Etsu, Filihua, Tosoh, Heraeus, CoorsTek, Changfei Quartz, Pacific Quartz, Shenguang Optics and Zhongtian Technology. Among them, Shin-Etsu, Filihua and Heraeus account for the largest share.

This report is a detailed and comprehensive analysis for global Synthetic Quartz Ingot 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 2024, are provided.

Key Features:

Global Synthetic Quartz Ingot market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2019-2030

Global Synthetic Quartz Ingot market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2019-2030

Global Synthetic Quartz Ingot market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2019-2030

Global Synthetic Quartz Ingot market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Kg), 2019-2024

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 Synthetic Quartz Ingot

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 Synthetic Quartz Ingot 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 Shin-Etsu, Feilihua, Tosoh, Heraeus Conamic, CoorsTek, YOFC, Pacific Quartz, AURA, ZTT, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Synthetic Quartz Ingot market is split by Type and by Application. For the period 2019-2030, 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

- Transparent Quartz
- Opaque Quartz

Market segment by Application

- Semiconductors
- Optical
- Other

Major players covered

- Shin-Etsu
- Feilihua
- Tosoh
- Heraeus Conamic
- CoorsTek
- YOFC
- Pacific Quartz
- AURA
- ZTT

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 Synthetic Quartz Ingot product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Synthetic Quartz Ingot, with price, sales quantity, revenue, and global market share of Synthetic Quartz Ingot from 2019 to 2024.

Chapter 3, the Synthetic Quartz Ingot competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Synthetic Quartz Ingot breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and Synthetic Quartz Ingot market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Synthetic Quartz Ingot.

Chapter 14 and 15, to describe Synthetic Quartz Ingot sales channel, distributors,

customers, research findings and conclusion.

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