

Quartz - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2018 - 2029

Market Report | 2024-02-17 | 120 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Quartz Market size is estimated at USD 7.31 billion in 2024, and is expected to reach USD 8.98 billion by 2029, growing at a CAGR of 4.19% during the forecast period (2024-2029).

The COVID-19 pandemic halted the supply chain of several industries worldwide, including electronics and semiconductors, building and construction, and automotive. It, in turn, adversely affected the demand for quartz in these industries. Solar power usage increased, but this alone could not lift the market back. The COVID-19 pandemic impacted the global construction industry, with projects facing labor shortages, supply chain issues, and financing pressures. The effects rippled across the sector, from the initial crisis in China to construction sites worldwide. However, as the lockdowns were lifted in most countries worldwide, the market has recovered due to production resumed in most industries.

Key Highlights

- Over the mid-term, the primary factor driving the market's growth is the demand for high-purity quartz in the semiconductor industry, coupled with the growing solar industry.
- The ecological impact of quartz mining, coupled with discoloration in quartz tiles and slabs, is anticipated to hinder the market's growth during the forecast timeframe.
- Due to its unique properties, emerging applications of quartz powder can act as an opportunity for the market.
- Asia-Pacific dominated the global market, with the most significant consumption in China.

Quartz Market Trends

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Quartz is used within the electronics industry for its highly stable, high-performance resonators for further use in filters and oscillators. Quartz possesses various properties for the electronics industry, including piezoelectric properties, as its melting point is above 1700°C and its curing temperature is 573°C.
- There is an increasing demand for quartz from the electronics industry. It is because of its growing usage in devices, such as mobile phones, tablets, laptops, and desktops.
- Additionally, quartz crystal is used as an oscillator in radios, watches, and pressure gauges. Quartz crystal is also used to make frequency filters, frequency controls, and timers in electronic circuits for various products, such as communication equipment, computers, electronic games, and television receivers.
- For decades, companies in the United States have led the world to produce tiny semiconductor chips that power modern technologies. According to Semiconductor Industry Association (SIA), the semiconductor industry in the United States accounts for 47% of the global semiconductor market, which is the largest share in the world.
- The semiconductor manufacturers are planning to invest in the country, which is anticipated to contribute to market growth. For instance, in March 2021, Intel invested USD 3.5 billion in its New Mexico plant to manufacture tiny microchips used in nearly all modern devices, as their demand is increasing.
- Digital technologies such as the internet of things (IoT) and the latest communication technologies, such as 5G, are expected to aid in developing innovative consumer electronic products. As per data published by JEITA, global electronics production increased significantly in 2022 compared to 2020.
- Owing to such factors, the demand for quartz is expected to witness rapid growth in the electronics industry.

Asia-Pacific Region to Dominate the Market

- China is one of the major countries in the Asia-Pacific region, with ample construction activities. The country's industrial and construction sectors are expected to account for approximately 50% of the GDP.
- As per the forecast given by the Ministry of Housing and Urban-Rural Development, China's construction sector is expected to maintain a 6% share of the country's GDP going into 2025. Keeping in view the given forecasts, the Chinese government unveiled a five-year plan in January 2022 focused on making the construction sector more sustainable and quality-driven.
- The electronics supply chain was already in the throes of disruption before the outbreak due to the tariff war between the US and China. It forced the relocation of some high-profile electronics manufacturers from China to Southeast Asia, including GoPro, Kyocera, and Nintendo, moving manufacturing to Vietnam, Casio, Daikin, and Ricoh, and shifting operations to Thailand.
- To benefit from the extensive demand scenario, China embarked on strategic initiatives like the "Made in China 2025" plan, under which the Chinese government announced its goal to reach an output of USD 305 billion by 2030 and meet 80% of its domestic demand.
- The digital vision in India is a vast opportunity and includes significant economic value. The Indian economy is expected to generate revenue of more than USD 1 trillion by 2022 by implementing the 30 digital themes that are currently planned. With the increase in electronic device manufacturing ecosystems, the growth scope of the semiconductors and electronics market in India is extremely high.
- According to the industrial outlook released by South Korea's Ministry of Science and ICT, electronic component production in value grew by 12.5% in 2021 compared to 2020 values. This growth is driven by the continuous demand for semiconductor memory for data centers, edge computing (IoT), automobiles, and 5G smartphones, as well as soaring demand for OLED panels for TV and mobile devices.
- Vietnam's electronics industry (EI) is one of the country's fastest-growing and most important industries. The US-China trade war and rising manufacturing costs in China have hugely benefited the Vietnam electronics industry. It captured one of China's most

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

significant shares of electronic industry migration. The Philippines' semiconductor industry, coupled with the electronics industry, is the most critical contributor to the manufacturing sector within the country. While the electronics industry in Indonesia primarily serves the local industry with very little export.

- Such factors are expected to increase the demand for quartz during the forecast period.

Quartz Industry Overview

The quartz market is fragmented in nature. Some significant players include AGC Inc., Nihon Dempa Kogyo Co. Ltd, Quartz Corporation, Sibelco, and Jiangsu Pacific Quartz Co.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Drivers
 - 4.1.1 Growing Solar Industry
 - 4.1.2 Demand for High-purity Quartz in the Semiconductor Industry
- 4.2 Restraints
 - 4.2.1 Ecological Impact of Quartz Mining
 - 4.2.2 Discoloration in Quartz Tiles and Slabs
- 4.3 Industry Value Chain Analysis
- 4.4 Porter's Five Forces Analysis
 - 4.4.1 Bargaining Power of Suppliers
 - 4.4.2 Bargaining Power of Consumers
 - 4.4.3 Threat of New Entrants
 - 4.4.4 Threat of Substitute Products and Services
 - 4.4.5 Degree of Competition

5 MARKET SEGMENTATION (Market Size in Value)

- 5.1 Type
 - 5.1.1 High-purity Quartz
 - 5.1.1.1 Quartz Surface and Tile
 - 5.1.1.2 Fused Quartz Crucible
 - 5.1.1.3 Quartz Glass
 - 5.1.2 Quartz Crystal

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.1.3 Silicon Metal
- 5.2 End-user Industry
 - 5.2.1 Electronics and Semiconductor
 - 5.2.2 Solar
 - 5.2.3 Buildings and Construction
 - 5.2.4 Optical fiber and Telecommunication
 - 5.2.5 Automotive
 - 5.2.6 Other End-user Industries
- 5.3 Geography
 - 5.3.1 Asia-Pacific
 - 5.3.1.1 China
 - 5.3.1.2 India
 - 5.3.1.3 Japan
 - 5.3.1.4 South Korea
 - 5.3.1.5 Rest of Asia-Pacific
 - 5.3.2 North America
 - 5.3.2.1 United States
 - 5.3.2.2 Canada
 - 5.3.2.3 Mexico
 - 5.3.3 Europe
 - 5.3.3.1 Germany
 - 5.3.3.2 United Kingdom
 - 5.3.3.3 Italy
 - 5.3.3.4 France
 - 5.3.3.5 Russia
 - 5.3.3.6 Rest of Europe
 - 5.3.4 South America
 - 5.3.4.1 Brazil
 - 5.3.4.2 Argentina
 - 5.3.4.3 Rest of South America
 - 5.3.5 Middle East & Africa
 - 5.3.5.1 Saudi Arabia
 - 5.3.5.2 South Africa
 - 5.3.5.3 Rest of Middle East & Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Market Ranking Analysis
- 6.3 Strategies Adopted by Leading Players
- 6.4 Company Profiles
 - 6.4.1 AGC Inc.
 - 6.4.2 Beijing Kai de Quartz Co. Ltd
 - 6.4.3 Dow
 - 6.4.4 Elkem ASA
 - 6.4.5 Ferroglobe
 - 6.4.6 Heraeus Holding
 - 6.4.7 Jiangsu Pacific Quartz Co. Ltd

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.4.8 Wonic QnC Corporation
- 6.4.9 Nihon Dempa Kogyo Co. Ltd
- 6.4.10 Nordic Mining ASA
- 6.4.11 RUSNANO Group
- 6.4.12 Saint-Gobain
- 6.4.13 Sibelco
- 6.4.14 SUMCO Corporation
- 6.4.15 The Quartz Corporation

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

7.1 Emerging Applications of Quartz Powder due to its Unique Properties

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Quartz - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2018 - 2029

Market Report | 2024-02-17 | 120 pages | Mordor Intelligence

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-03-05
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com