

# Silica Sand Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

The global silica sand market size reached US\$ 22.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 32.1 Billion by 2028, exhibiting a growth rate (CAGR) of 5.6% during 2023-2028.

Silica sand, generally known as industrial sand, is one of the most common varieties of sand found across the world. Industrial silica sand has been mined for thousands of years and was first put to industrial use during 3000-5000 BC for metallurgical and glass making activities. Nowadays, silica sand is being used for well-diversified applications including paving roads, glass making, foundries and coal burning boilers, oil and water filtration, industrial casting, sandblasting, etc. Apart from this, it is also used in the hydraulic fracturing process where the demand for silica sand has increased significantly in the recent years. This can be accredited to the advantageous properties of silica sand such as strength, high silica content, as well as resistance to heat and chemical reactions.

### Global Silica Sand Industry Drivers:

The glass market is experiencing high growth due to increased demand from the construction market, rising automotive production and sales, mounting per capita income, and technological advancements. Besides this, emerging trends such as increasing usage of hybrid guide plate, solar control glazing for automotive and building glasses, lightweight glazing glass, and advanced nanotechnology in flat glass are also contributing towards the growth of the glass industry, consequently, boosting the demand for silica sand.

Several countries worldwide are preferring naturally available shale gas in order to reduce their dependence on crude oil. Shale gas is extracted using hydraulic fracturing process, wherein silica sand is used as a proppant. As a result, the growth in the shale

gas production is expected to increase the demand for silica sand.

Upcoming infrastructural projects in various countries are envisaged to stimulate the construction industry, thereby mounting the demand for silica sand across different sectors. For instance, the construction of The Nîmes-Montpellier rail bypass, Grand Paris Express, Tour Triangle and the ASVEL arena in France are anticipated to bolster the silica sand market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global silica sand market report, along with forecasts at the global and country level from 2023-2028. Our report has categorized the market based on end-use.

#### Breakup by End-Use:

Glass Industry

Foundry

Hydraulic Fracturing

Filtration

Abrasives

Others

On the basis of end-use, the report finds that the glass industry accounts for more than a third of the total market, representing the largest end-use sector. Silica sand forms an essential component in the production of glass containers, flat glass, and speciality glass that are further used in automotive, construction and solar applications.

#### Regional Insights:

China

United States

Italy

Turkey

Germany

Australia

Others

Region-wise, the China enjoys the leading position in the global silica sand market.

#### Competitive Landscape:

The global silica sand market is fragmented due to the presence of a large number of manufacturers. The profiles of key players operating in the market have been included in the report.

This report provides a deep insight into the global silica sand industry covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. The report also provides a comprehensive analysis for setting up a silica sand manufacturing plant. The study analyses the processing and manufacturing requirements, project cost, project funding, project economics, expected returns on investment, profit margins, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the silica sand industry in any manner.

#### Key Questions Answered in This Report

1. What was the size of the global silica sand market in 2022?
2. What is the expected growth rate of the global silica sand market during 2023-2028?
3. What are the key factors driving the global silica sand market?
4. What has been the impact of COVID-19 on the global silica sand market?
5. What is the breakup of the global silica sand market based on the end use?
6. What are the key regions in the global silica sand market?
7. Who are the key companies/players in the global silica sand market?

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