

Silicon Wafer Market to Witness a Pronounce Growth During 2023 To 2032

Silicon Wafer Market to Reach \$25.9 billion, Globally, by 2032 at 5.42% CAGR: Allied Market Research

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EINPresswire.com/ -- Allied Market Research published a report, titled, "[Silicon Wafer Market](#) by Wafer Size (1 to 100mm, 100mm to 300mm, and above 300mm), Type (P-type, N-type), and End User (Consumer Electronics, Automotive, Industrial,

Telecommunication and Others). According to the report, the global silicon wafer market was valued at \$15.3 billion in 2022 and is estimated to reach \$25.9 billion by 2032, exhibiting a CAGR of 5.42% from 2023 to 2032.



Silicon Wafer Market



The silicon wafer market is driven by factors such as the rise in the demand for consumer electronics and semiconductors for the automotive industry."

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Prime determinants of growth

The silicon wafer market is expected to witness notable growth owing to a rise in the demand for consumer electronics, and the demand for semiconductors in the automotive sector. Moreover, the rollout of 5G technology is expected to provide lucrative opportunities for the growth of the market during the forecast period. On the contrary, high production costs and fluctuations in the

price of raw materials limit the growth of the silicon wafer market.

Covid-19 Scenario

Due to production facilities being idled because of the COVID-19 pandemic, the electronics industry was negatively damaged. This increased demand for semiconductor and electronics products in several industries. Large-scale industrial disruptions in Europe and a halt to the export of Chinese parts are two of its main effects, both of which could hurt the semiconductor wafer market. Industries are actively seeking innovative solutions to navigate and address the challenges arising from global disruptions caused by the pandemic.

The 100mm to 300mm segment to maintain its leadership status throughout the forecast period

Based on wafer size, the 100mm to 300mm segment held the highest market share in 2022, accounting for more than two-fifths of the global silicon wafer market revenue and is estimated to maintain its leadership status throughout the forecast period, owing to technological advancements, cost efficiency, and manufacturing capabilities playing crucial roles. The 100mm to 300mm wafer size segment of the silicon wafer market encompasses the more chips produced per wafer, the cost per chip decreases. This is particularly important in the semiconductor industry, where production costs can significantly impact the overall cost of electronic devices.

The N-type segment to maintain its leadership status throughout the forecast period

Based on type, the N-type segment held the highest market share in 2022, accounting for more than half of the global silicon wafer market revenue and is estimated to maintain its leadership status throughout the forecast period. However, the P-type segment is projected to manifest the highest CAGR of 6.02% from 2023 to 2032, owing to the use of P-type in Internet of Things (IoT) devices, sensors, and wearable electronics. These technologies contribute to the growing demand for p-type silicon in various electronic components.

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Asia-Pacific to maintain its dominance by 2032

Based on region, Asia-Pacific held the highest market share in terms of revenue in 2022, accounting for nearly one-third of the global silicon wafer market revenue owing to growth in the semiconductor industry and the construction of manufacturing facilities in the area. The Asia-Pacific semiconductor silicon wafer market is anticipated to have strong growth.

Key Industry Development –

In February 2023, GlobalWafers Co., one of the global leading silicon wafer suppliers, added around 20,000 advanced 12-inch wafers each month from local fabs. GlobalWafers estimates capacity to rise 10-15% at plants in South Korea, Japan, Taiwan, and Italy because of the expansions to satisfy strong demand.

Leading Market Players: -

Shin-Etsu Handotai

Siltronic AG

SUMCO CORPORATION

SK Inc.

Globalwafers Co. Ltd

GRINM Semiconductor Materials Co., Ltd.

Okmetic

Wafer Works Corp.

Addison Engineering, Inc.

Silicon Materials, Inc.

The report provides a detailed analysis of these key players of the global silicon wafer market. These players have adopted different strategies such as expansion, acquisition, partnership, investment, and others to increase their market share and maintain dominant shares in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

Key Benefits for Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the silicon wafer market analysis from 2022 to 2032 to identify the prevailing silicon wafer market opportunity.
- Market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders to make profit-oriented business decisions and strengthen their supplier-buyer network.
- An in-depth analysis of the silicon wafer market overview segmentation assists in determining the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes an analysis of the regional as well as global silicon wafer market trends, key players, market segments, application areas, and market growth strategies.

Silicon Wafer Market Key Segments:

By Type:

N Type

P Type

By Wafer Size:

1 to 100 mm

100 mm to 300 mm

Above 300 mm

By Application:

Consumer Electronics

Automotive

Industrial

Telecommunication

Others

By Region:

North America (U.S., Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Rest of Europe)

Asia-Pacific (China, Japan, India, South Korea, Australia, Rest of Asia-Pacific)

LAMEA (Brazil, Saudi Arabia, UAE, South Africa, Rest of LAMEA)

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We are in professional corporate relations with various companies, and this helps us dig out market data that helps us generate accurate research data tables and confirms the utmost accuracy in our market forecasting. Allied Market Research CEO Pawan Kumar is instrumental in

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