

Silicon Wafer Market Study of the Trend, Demand, Scope, and Growth of the Industry from 2021 to 2028

*Market Size – USD 10.12 Billion in 2020,
Market Growth – at a CAGR of 5.8%,
Market Trends – Rising demand for silicon wafers in automobile industry*

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CANADA, May 22, 2023
/EINPresswire.com/ -- Global [Silicon Wafer Market](#) Forecast to 2028

The global silicon wafer market size is expected to reach USD 16.01 Billion at a CAGR of 5.8% during the forecast period, according to latest analysis by

Emergen Research. This consistent revenue growth can be attributed to increasing adoption of electric and hybrid vehicles globally. Rise in demand for miniaturized electronic devices and products is also contributing significantly to growth of the market. Significant increase in adoption of LED lights and related systems globally is another factor propelling market growth. Setting up of new production facilities and expansion of existing ones is a trend observed in the market.

The most recent report from Emergen Research, "World Silicon Wafer Market," was painstakingly created with the reader's comprehension in mind. It includes a comprehensive database of industry distribution. The study examines past and current market conditions to forecast the Silicon Wafer market's prospects for the near future (2021–2028). The factors influencing the market's overall expansion were the main focus of the researchers' in-depth examination of the global market. The research employs potent analytical techniques like SWOT analysis and Porter's Five Forces to analyze the strengths, weaknesses, opportunities, and threats connected to the expansion of various market segments.

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Competitive Terrain:

The global Silicon Wafer industry is highly consolidated owing to the presence of renowned companies operating across several international and local segments of the market. These players dominate the industry in terms of their strong geographical reach and a large number of production facilities. The companies are intensely competitive against one another and excel in their individual technological capabilities, as well as product development, innovation, and product pricing strategies.

The leading market contenders listed in the report are:

EpiWorks Inc., Global Wafers Japan Co. Ltd., Nichia Corporation, SHOWA DENKO K.K., Siltronic AG, Desert Silicon Inc., Electronics and Materials Corporation Ltd., Intelligent Epitaxy Technology Inc., IQE plc., and ON Semiconductor

Research Report on the Silicon Wafer Market Addresses the Following Key Questions:

Who are the dominant players of the Silicon Wafer market?

Which regional market is anticipated to have a high growth rate over the projected period?

What consumer trends and demands are expected to influence the operations of the market players in the Silicon Wafer market?

What are the key growth drivers and restraining factors of the Silicon Wafer market?

What are the expansion plans and strategic investment plans undertaken by the players to gain a robust footing in the market?

What is the overall impact of the COVID-19 pandemic on the Silicon Wafer market and its key segments?

Market Overview:

The report bifurcates the Silicon Wafer market on the basis of different product types, applications, end-user industries, and key regions of the world where the market has already established its presence. The report accurately offers insights into the supply-demand ratio and production and consumption volume of each segment.

Segments Covered in this report are:

Diameter Outlook (Revenue, USD Billion; 2018–2028)

100mm to 150mm

200mm

300mm

450mm and above

Type Outlook (Revenue, USD Billion; 2018–2028)

Epitaxial Wafers

Polished wafers

SOI wafers

Diffused wafers

Application Outlook (Revenue, USD Billion; 2018–2028)

Consumer Electronics

MEMS

RF Electronics

Automotive

Photonics

Regional Landscape section of the Silicon Wafer report offers deeper insights into the regulatory framework, current and emerging market trends, production and consumption patterns, supply and demand dynamics, import/export, and presence of major players in each region.

The various regions analyzed in the report include:

North America (U.S., Canada)

Europe (U.K., Italy, Germany, France, Rest of EU)

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

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

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Some Key Highlights in the Report

In January 2020, Qromis and Shin-Etsu Chemical entered into an agreement with the purpose to collaboratively manufacture epitaxial and substrates wafer for LED devices and RF electronics.

Asia Pacific is expected to continue to account for largest revenue share during the forecast period. This growth can be attributed to presence of key players in countries in the region. China, being the largest producer and end user of consumer electronics, is a key contributor to revenue growth of the Asia Pacific market. Increasing foreign investments in the electronics sector in India is driving growth of the market in the region.

The section on the competitive landscape offers valuable and actionable insights related to the business sphere of the Silicon Wafer market, covering extensive profiling of the key market players. The report offers information about market share, product portfolio, pricing analysis, and strategic alliances such as mergers and acquisitions, joint ventures, collaborations, partnerships, product launches and brand promotions, among others. The report also discusses the initiatives taken by the key companies to combat the impact of the COVID-19 pandemic.

Key Points of the Geographical Analysis:

Data and information related to the consumption rate in each region

Estimated increase in the consumption rate

Proposed growth of the market share of each region

Geographical contribution to market revenue

Expected growth rate of the regional markets

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