

Semiconductor Silicon Wafer Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

The future of the global semiconductor silicon wafer market looks promising with opportunities in the consumer electronics, telecommunication, and automotive industries. The global semiconductor silicon wafer market is expected to reach an estimated \$18.2 billion by 2027 with a CAGR of 3.2% from 2021 to 2027. The major drivers for this market are growth of automotive semiconductor and increasing deployment of GPS tracking system.

Emerging Trends in the Semiconductor Silicon Wafer Market

Emerging trends, which have a direct impact on the dynamics of the industry, include the large size semiconductor silicon wafer and integrating nanotechnology with silicon wafer technology.

A total of 75 figures/charts and 58 tables are provided in this 129-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of the semiconductor silicon wafer market report, download the report brochure.

Semiconductor Silicon Wafer Market by Segment

The study includes trends and forecast for the semiconductor silicon wafer market product type, diameter, end use industry, and region as follows:

By Product Type [\$B shipment analysis from 2016 – 2027]:

Logic

Memory

Analog

Others

By End Use Industry [\$B shipment analysis from 2016 – 2027]:

Consumer Electronics

Telecommunication

Automotive

Others

By Diameter [\$B shipment analysis from 2016 – 2027]:

Less than 150 mm

200 mm

300 mm and Above

By Region [\$B shipment analysis from 2016 – 2027]:

North America

United States

Canada

Mexico

Europe

Germany

UK

France

Asia Pacific

China

Japan

South Korea

Taiwan

India

Rest of the World

List of Semiconductor Silicon Wafer Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their new product developments, partnerships, mergers & acquisition, and leverage integration opportunities across the value chain. With these strategies semiconductor silicon wafer companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the semiconductor silicon wafer companies profiled in this report include.

SUMCO Corporation

Shin-Etsu Handotai

SK Siltron

GlobalWafers

SOITEC SA

Okmetic

Wafer Works Corporation

Episil-Precision

Semiconductor Silicon Wafer Market Insight

Lucintel forecasts that 300 mm and above will remain the largest market over the forecast period due to growth of 5G and data center applications.

Consumer electronics will remain the largest end use industry over the forecast period due to growth of smartphones, tablets, phablets, refrigerators, ACs, TVs, home theaters, and washing machines. Semiconductor silicon wafer for automotive industry is expected to witness the highest growth over the forecast period due to growth of Advanced Driver-Assistance Systems (ADAS), touch-free human-machine interfaces, adaptive cruise control, and automatic braking systems in automotive.

Asia Pacific will remain the largest region over the forecast period due to growth of telecommunications, automotive and consumer electronics industries

Features of Semiconductor Silicon Wafer Market

Market size estimates: Global semiconductor silicon wafer market size estimation in terms of value (\$B) shipment.

Trend and forecast analysis: Market trend (2016-2021) and forecast (2022-2027) by various segments and regions.

Segmentation analysis: Market size by various segments such as by product type, diameter, end use industry, and region.

Regional analysis: Global semiconductor silicon wafer market breakdown by

North America, Europe, Asia Pacific, and the Rest of the World.

Growth opportunities: Analysis on growth opportunities in different product type, diameter, end use industry and regions for global semiconductor silicon wafer market.

Strategic analysis: This includes M&A, new product development, and competitive landscape of the global semiconductor silicon wafer market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the semiconductor silicon wafer market size?

Answer: The global semiconductor silicon wafer market is expected to reach an estimated \$18.2 billion by 2027

Q2. What is the growth forecast for semiconductor silicon wafer market?

Answer: The semiconductor silicon wafer market is expected to grow at a CAGR of 3.2% from 2021 to 2027.

Q3. What are the major drivers influencing the growth of the semiconductor silicon wafer market?

Answer: The major drivers for this market are growth of automotive semiconductor and increasing deployment of GPS tracking system.

Q4. What are the major applications or end use industries for semiconductor silicon wafer market?

Answer: Consumer electronics, Telecommunication, and Automotive are the major end use industry for semiconductor silicon wafer market.

Q5. What are the emerging trends in semiconductor silicon wafer market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include the large size semiconductor silicon wafer and integrating nanotechnology with silicon wafer technology.

Q6. Who are the key semiconductor silicon wafer companies?

Answer: Some of the key Semiconductor Silicon Wafer companies are as follows:

SUMCO Corporation

Shin-Etsu Handotai

SK Siltron

GlobalWafers

SOITEC SA

Okmetic

Wafer Works Corporation

Episil-Precision

Q7. Which semiconductor silicon wafer product segment will be the largest in future?

Answer: Lucintel forecasts that 300 mm and above size of silicon wafer will remain the largest market over the forecast period due to growth of 5G and data center applications.

Q8. In semiconductor silicon wafer market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to remain the largest region and witness the highest growth over next 5 years

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising potential, high-growth opportunities for the global semiconductor silicon wafer market by product type (logic, memory, analog and others), diameter (less than 150 mm, 200 mm and 300 mm and above), end use industry (consumer electronics, telecommunication, automotive and others), and region (North America, Europe, Asia Pacific, and Rest of the World (ROW))?

Q. 2. Which segments will grow at a faster pace and why?

Q.3. Which regions will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5. What are the business risks and threats to the semiconductor silicon wafer market?

Q.6. What are the emerging trends in semiconductor silicon wafer market and the reasons behind them?

Q.7. What are some changing demands of customers in the semiconductor silicon wafer market?

Q.8. What are the new developments in the semiconductor silicon wafer market? Which companies are leading these developments?

Q.9. Who are the major players in the semiconductor silicon wafer market? What strategic initiatives are being implemented by key players for business growth?

Q.10. What are some of the competitive products and processes in the semiconductor silicon wafer market, and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years?

For any questions related to semiconductor silicon wafer market or related to mono semiconductor silicon wafer, IC grade semiconductor silicon wafer, DSP silicon wafer, N-

type silicon wafer, silicon carbide wafer, semiconductor silicon wafer companies, semiconductor silicon wafer market size, semiconductor silicon wafer market share, semiconductor silicon wafer analysis, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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7.7: Wafer Works Corporation

7.8: Episil-Precision Inc.

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