

Semiconductor Wafer Market: Trends, Opportunities and Competitive Analysis [2023-2028]

<https://marketpublishers.com/r/S659F200DB6DEN.html>

Date: March 2023

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: S659F200DB6DEN

Abstracts

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Semiconductor Wafer Market Trends and Forecast

The future of the global semiconductor wafer market looks promising with opportunities in the automotive, consumer electronics, industrial manufacturing, and telecommunication applications. The global semiconductor wafer market is expected to reach an estimated \$16.5 billion by 2028 with a CAGR of 5.0% from 2023 to 2028. The major drivers for this market are increase in the sale of consumer electronic devices, rising deployment of GPS tracking system, and growing application of semiconductor wafers in power amplifiers for transmitting ultra-high radio frequency.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Semiconductor Wafer Market by Segment

The study includes a forecast for the global semiconductor wafer market by semiconductor wafer market by wafer size, application, and region, as follows:

Semiconductor Wafer Market by Wafer Size [Value (\$B) Shipment Analysis from 2017 to 2028]:

Less than 150 mm Semiconductor Wafers

150 to 200 mm Semiconductor Wafers

More than 200 mm Semiconductor Wafers

Semiconductor Wafer Market by Application [Value (\$B) Shipment Analysis from 2017 to 2028]:

Automotive

Consumer Electronics

Industrial Manufacturing

Telecommunications

Others

Semiconductor Wafer Market by Region [Value (\$B) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

List of Semiconductor Wafer Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies semiconductor wafer companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the semiconductor wafer companies profiled in this report includes.

Applied Materials

ASM International

Nikon Corporation

Tokyo Electron

KLA Corporation

Global Foundries

Siltronic

Shin Etsu

Sumco

Fujitsu Semiconductor

Semiconductor Wafer Market Insights

Lucintel forecast that 150 to 200 mm semiconductor wafers will remain the largest type segment over the forecast period due to increasing application of these wafers in semiconductor products like memory chips, logic chips, power devices and image sensors.

Within this market, consumer electronics is projected to witness the highest growth from 2023 to 2028 due to growing need to produce integrated circuits to power laptops, smartphones, and computers, so as to improve efficiency and enables high frequency rectification.

APAC is expected to witness the highest growth during the forecast period due to rising demand for consumer electronics and alternative renewable energy sources, along with increase in sale volumes of automotive devices. .

Features of the Semiconductor Wafer Market

Market Size Estimates: Semiconductor wafer market size estimation in terms of value (\$B)

Trend And Forecast Analysis: Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

Segmentation Analysis: Semiconductor wafer market size by various segments, such as by wafer size, application, and region

Regional Analysis: Semiconductor wafer market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different by wafer size, application, and regions for the semiconductor wafer market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the semiconductor wafer market.

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

FAQ

Q1. What is the semiconductor wafer market size?

Answer: The global semiconductor wafer market is expected to reach an estimated \$16.5 billion by 2028.

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

Answer: The global semiconductor wafer market is expected to grow with a CAGR of 5.0% from 2023 to 2028.

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

Answer: The major drivers for this market are increase in the sale of consumer electronic devices, rising deployment of GPS tracking system, and growing application

of semiconductor wafers in power amplifiers for transmitting ultra-high radio frequency.

Q4. What are the major segments for semiconductor wafer market?

Answer: The future of the semiconductor wafer market looks promising with opportunities in the automotive, consumer electronics, industrial manufacturing, and telecommunication applications.

Q5. Who are the key semiconductor wafer companies?

Answer: Some of the key semiconductor wafer companies are as follows:

Applied Materials

ASM International

Nikon Corporation

Tokyo Electron

KLA Corporation

Global Foundries

Siltronic

Shin Etsu

Sumco

Fujitsu Semiconductor

Q6. Which semiconductor wafer segment will be the largest in future?

Answer: Lucintel forecast that 150 to 200 mm semiconductor wafers will remain the largest type segment over the forecast period due to increasing application of these wafers in semiconductor products like memory chips, logic chips, power devices and image sensors.

Q7. In semiconductor wafer market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to witness the highest growth during the forecast period due to rising demand for consumer electronics and alternative renewable energy sources, along with increase in sale volumes of automotive devices. .

Q8. 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, high-growth opportunities for the global semiconductor wafer market by wafer size (less than 150 mm semiconductor wafers, 150 to 200 mm semiconductor wafers, and more than 200 mm semiconductor wafers), application (automotive, consumer electronics, industrial manufacturing, telecommunications, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

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

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

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

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

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

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to semiconductor wafer market or related to semiconductor wafer companies, semiconductor wafer market size, semiconductor wafer market share, semiconductor wafer analysis, write Lucintel analyst at email: helpdesk@lucintel.com

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