

# Global 12 Inch Silicon Wafers Supply, Demand and Key Producers, 2024-2030

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## Abstracts

The global 12 Inch Silicon Wafers market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

Silicon wafers are the most important basic raw material for chip manufacturing. With the demand for various semiconductor applications, the silicon wafer market shipments and demand have continued to increase. The economic benefits brought by the use of large-size silicon wafers in integrated circuits are obvious. For example, the area of a 12-inch silicon wafer is 2.25 times that of an 8-inch silicon wafer, and the usability rate is about 2.5 times that of an 8-inch silicon wafer. The number of chips that can be produced by a single chip increases. The cost of the chip decreases. As the industry's requirements for production capacity increase significantly, the advantages of 12-inch silicon wafers are becoming more and more obvious.

This report studies the global 12 Inch Silicon Wafers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 12 Inch Silicon Wafers, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of 12 Inch Silicon Wafers that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 12 Inch Silicon Wafers total production and demand, 2019-2030, (K Units)

Global 12 Inch Silicon Wafers total production value, 2019-2030, (USD Million)

Global 12 Inch Silicon Wafers production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global 12 Inch Silicon Wafers consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: 12 Inch Silicon Wafers domestic production, consumption, key domestic manufacturers and share

Global 12 Inch Silicon Wafers production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global 12 Inch Silicon Wafers production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global 12 Inch Silicon Wafers production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global 12 Inch Silicon Wafers market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Shin-Etsu Silicone, Sumco, Siltronic, SK Siltron, Ferrotec, Semiconductor Manufacturing International Corporation, Shanghai Huahong Grace Semiconductor Manufacturing Corporation, Hangzhou Lion Microelectronics Co.,Ltd. and National Silicon Industry Group Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World 12 Inch Silicon Wafers market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by

year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

#### Global 12 Inch Silicon Wafers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global 12 Inch Silicon Wafers Market, Segmentation by Type

Polishing Wafer

Epitaxial Wafer

#### Global 12 Inch Silicon Wafers Market, Segmentation by Application

Memory Chips

Logic Chips

#### Companies Profiled:

Shin-Etsu Silicone

Sumco

Siltronic

SK Siltron

Ferrotec

Semiconductor Manufacturing International Corporation

Shanghai Huahong Grace Semiconductor Manufacturing Corporation

Hangzhou Lion Microelectronics Co.,Ltd.

National Silicon Industry Group Co., Ltd.

GlobalWafers Co., Ltd.

Tianjin Zhonghuan Semiconductor Co.,Ltd.

GRINM Semiconductor Materials Co., Ltd.

Zing Semiconductor Corporation

Hangzhou Semiconductor Wafer Co., Ltd.

Wafer Works Corporation

Yangtze Memory Technology Corp

## Key Questions Answered

1. How big is the global 12 Inch Silicon Wafers market?
2. What is the demand of the global 12 Inch Silicon Wafers market?
3. What is the year over year growth of the global 12 Inch Silicon Wafers market?

4. What is the production and production value of the global 12 Inch Silicon Wafers market?
5. Who are the key producers in the global 12 Inch Silicon Wafers market?

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