

Global 12 Inch Silicon Wafers Market Growth 2024-2030

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Abstracts

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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.

The global 12 Inch Silicon Wafers market size is projected to grow from US\$ million in 2023 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "12 Inch Silicon Wafers Industry Forecast" looks at past sales and reviews total world 12 Inch Silicon Wafers sales in 2023, providing a comprehensive analysis by region and market sector of projected 12 Inch Silicon Wafers sales for 2024 through 2030. With 12 Inch Silicon Wafers sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world 12 Inch Silicon Wafers industry.

This Insight Report provides a comprehensive analysis of the global 12 Inch Silicon Wafers landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on 12 Inch Silicon

Wafers portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global 12 Inch Silicon Wafers market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 12 Inch Silicon Wafers and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global 12 Inch Silicon Wafers.

United States market for 12 Inch Silicon Wafers is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for 12 Inch Silicon Wafers is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for 12 Inch Silicon Wafers is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key 12 Inch Silicon Wafers players cover Shin-Etsu Silicone, Sumco, Siltronic, SK Siltron and Ferrotec, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of 12 Inch Silicon Wafers market by product type, application, key manufacturers and key regions and countries.

Segmentation by type

Polishing Wafer

Epitaxial Wafer

Segmentation by application

Memory Chips

Logic Chips

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

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 Addressed in this Report

What is the 10-year outlook for the global 12 Inch Silicon Wafers market?

What factors are driving 12 Inch Silicon Wafers market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do 12 Inch Silicon Wafers market opportunities vary by end market size?

How does 12 Inch Silicon Wafers break out type, application?

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