

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?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global 12 Inch Silicon Wafers Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for 12 Inch Silicon Wafers by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for 12 Inch Silicon Wafers by Country/Region, 2019, 2023 & 2030
- 2.2 12 Inch Silicon Wafers Segment by Type
 - 2.2.1 Polishing Wafer
 - 2.2.2 Epitaxial Wafer
- 2.3 12 Inch Silicon Wafers Sales by Type
 - 2.3.1 Global 12 Inch Silicon Wafers Sales Market Share by Type (2019-2024)
 - 2.3.2 Global 12 Inch Silicon Wafers Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global 12 Inch Silicon Wafers Sale Price by Type (2019-2024)
- 2.4 12 Inch Silicon Wafers Segment by Application
 - 2.4.1 Memory Chips
 - 2.4.2 Logic Chips
- 2.5 12 Inch Silicon Wafers Sales by Application
 - 2.5.1 Global 12 Inch Silicon Wafers Sale Market Share by Application (2019-2024)
 - 2.5.2 Global 12 Inch Silicon Wafers Revenue and Market Share by Application (2019-2024)
 - 2.5.3 Global 12 Inch Silicon Wafers Sale Price by Application (2019-2024)

3 GLOBAL 12 INCH SILICON WAFERS BY COMPANY

- 3.1 Global 12 Inch Silicon Wafers Breakdown Data by Company
 - 3.1.1 Global 12 Inch Silicon Wafers Annual Sales by Company (2019-2024)
 - 3.1.2 Global 12 Inch Silicon Wafers Sales Market Share by Company (2019-2024)
- 3.2 Global 12 Inch Silicon Wafers Annual Revenue by Company (2019-2024)
 - 3.2.1 Global 12 Inch Silicon Wafers Revenue by Company (2019-2024)
 - 3.2.2 Global 12 Inch Silicon Wafers Revenue Market Share by Company (2019-2024)
- 3.3 Global 12 Inch Silicon Wafers Sale Price by Company
- 3.4 Key Manufacturers 12 Inch Silicon Wafers Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers 12 Inch Silicon Wafers Product Location Distribution
 - 3.4.2 Players 12 Inch Silicon Wafers Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR 12 INCH SILICON WAFERS BY GEOGRAPHIC REGION

- 4.1 World Historic 12 Inch Silicon Wafers Market Size by Geographic Region (2019-2024)
 - 4.1.1 Global 12 Inch Silicon Wafers Annual Sales by Geographic Region (2019-2024)
 - 4.1.2 Global 12 Inch Silicon Wafers Annual Revenue by Geographic Region (2019-2024)
- 4.2 World Historic 12 Inch Silicon Wafers Market Size by Country/Region (2019-2024)
 - 4.2.1 Global 12 Inch Silicon Wafers Annual Sales by Country/Region (2019-2024)
 - 4.2.2 Global 12 Inch Silicon Wafers Annual Revenue by Country/Region (2019-2024)
- 4.3 Americas 12 Inch Silicon Wafers Sales Growth
- 4.4 APAC 12 Inch Silicon Wafers Sales Growth
- 4.5 Europe 12 Inch Silicon Wafers Sales Growth
- 4.6 Middle East & Africa 12 Inch Silicon Wafers Sales Growth

5 AMERICAS

- 5.1 Americas 12 Inch Silicon Wafers Sales by Country
 - 5.1.1 Americas 12 Inch Silicon Wafers Sales by Country (2019-2024)
 - 5.1.2 Americas 12 Inch Silicon Wafers Revenue by Country (2019-2024)
- 5.2 Americas 12 Inch Silicon Wafers Sales by Type

5.3 Americas 12 Inch Silicon Wafers Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC 12 Inch Silicon Wafers Sales by Region

6.1.1 APAC 12 Inch Silicon Wafers Sales by Region (2019-2024)

6.1.2 APAC 12 Inch Silicon Wafers Revenue by Region (2019-2024)

6.2 APAC 12 Inch Silicon Wafers Sales by Type

6.3 APAC 12 Inch Silicon Wafers Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe 12 Inch Silicon Wafers by Country

7.1.1 Europe 12 Inch Silicon Wafers Sales by Country (2019-2024)

7.1.2 Europe 12 Inch Silicon Wafers Revenue by Country (2019-2024)

7.2 Europe 12 Inch Silicon Wafers Sales by Type

7.3 Europe 12 Inch Silicon Wafers Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa 12 Inch Silicon Wafers by Country

8.1.1 Middle East & Africa 12 Inch Silicon Wafers Sales by Country (2019-2024)

8.1.2 Middle East & Africa 12 Inch Silicon Wafers Revenue by Country (2019-2024)

- 8.2 Middle East & Africa 12 Inch Silicon Wafers Sales by Type
- 8.3 Middle East & Africa 12 Inch Silicon Wafers Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of 12 Inch Silicon Wafers
- 10.3 Manufacturing Process Analysis of 12 Inch Silicon Wafers
- 10.4 Industry Chain Structure of 12 Inch Silicon Wafers

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 12 Inch Silicon Wafers Distributors
- 11.3 12 Inch Silicon Wafers Customer

12 WORLD FORECAST REVIEW FOR 12 INCH SILICON WAFERS BY GEOGRAPHIC REGION

- 12.1 Global 12 Inch Silicon Wafers Market Size Forecast by Region
 - 12.1.1 Global 12 Inch Silicon Wafers Forecast by Region (2025-2030)
 - 12.1.2 Global 12 Inch Silicon Wafers Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country

- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global 12 Inch Silicon Wafers Forecast by Type
- 12.7 Global 12 Inch Silicon Wafers Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Shin-Etsu Silicone

- 13.1.1 Shin-Etsu Silicone Company Information
- 13.1.2 Shin-Etsu Silicone 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.1.3 Shin-Etsu Silicone 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.1.4 Shin-Etsu Silicone Main Business Overview
- 13.1.5 Shin-Etsu Silicone Latest Developments

13.2 Sumco

- 13.2.1 Sumco Company Information
- 13.2.2 Sumco 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.2.3 Sumco 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.2.4 Sumco Main Business Overview
- 13.2.5 Sumco Latest Developments

13.3 Siltronic

- 13.3.1 Siltronic Company Information
- 13.3.2 Siltronic 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.3.3 Siltronic 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.3.4 Siltronic Main Business Overview
- 13.3.5 Siltronic Latest Developments

13.4 SK Siltron

- 13.4.1 SK Siltron Company Information
- 13.4.2 SK Siltron 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.4.3 SK Siltron 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.4.4 SK Siltron Main Business Overview
- 13.4.5 SK Siltron Latest Developments

13.5 Ferrotec

- 13.5.1 Ferrotec Company Information
- 13.5.2 Ferrotec 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.5.3 Ferrotec 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.5.4 Ferrotec Main Business Overview
- 13.5.5 Ferrotec Latest Developments
- 13.6 Semiconductor Manufacturing International Corporation
 - 13.6.1 Semiconductor Manufacturing International Corporation Company Information
 - 13.6.2 Semiconductor Manufacturing International Corporation 12 Inch Silicon Wafers Product Portfolios and Specifications
 - 13.6.3 Semiconductor Manufacturing International Corporation 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Semiconductor Manufacturing International Corporation Main Business Overview
 - 13.6.5 Semiconductor Manufacturing International Corporation Latest Developments
- 13.7 Shanghai Huahong Grace Semiconductor Manufacturing Corporation
 - 13.7.1 Shanghai Huahong Grace Semiconductor Manufacturing Corporation Company Information
 - 13.7.2 Shanghai Huahong Grace Semiconductor Manufacturing Corporation 12 Inch Silicon Wafers Product Portfolios and Specifications
 - 13.7.3 Shanghai Huahong Grace Semiconductor Manufacturing Corporation 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Shanghai Huahong Grace Semiconductor Manufacturing Corporation Main Business Overview
 - 13.7.5 Shanghai Huahong Grace Semiconductor Manufacturing Corporation Latest Developments
- 13.8 Hangzhou Lion Microelectronics Co.,Ltd.
 - 13.8.1 Hangzhou Lion Microelectronics Co.,Ltd. Company Information
 - 13.8.2 Hangzhou Lion Microelectronics Co.,Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
 - 13.8.3 Hangzhou Lion Microelectronics Co.,Ltd. 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 Hangzhou Lion Microelectronics Co.,Ltd. Main Business Overview
 - 13.8.5 Hangzhou Lion Microelectronics Co.,Ltd. Latest Developments
- 13.9 National Silicon Industry Group Co., Ltd.
 - 13.9.1 National Silicon Industry Group Co., Ltd. Company Information
 - 13.9.2 National Silicon Industry Group Co., Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
 - 13.9.3 National Silicon Industry Group Co., Ltd. 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 National Silicon Industry Group Co., Ltd. Main Business Overview
 - 13.9.5 National Silicon Industry Group Co., Ltd. Latest Developments
- 13.10 GlobalWafers Co., Ltd.

- 13.10.1 GlobalWafers Co., Ltd. Company Information
- 13.10.2 GlobalWafers Co., Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.10.3 GlobalWafers Co., Ltd. 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.10.4 GlobalWafers Co., Ltd. Main Business Overview
- 13.10.5 GlobalWafers Co., Ltd. Latest Developments
- 13.11 Tianjin Zhonghuan Semiconductor Co.,Ltd.
- 13.11.1 Tianjin Zhonghuan Semiconductor Co.,Ltd. Company Information
- 13.11.2 Tianjin Zhonghuan Semiconductor Co.,Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.11.3 Tianjin Zhonghuan Semiconductor Co.,Ltd. 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.11.4 Tianjin Zhonghuan Semiconductor Co.,Ltd. Main Business Overview
- 13.11.5 Tianjin Zhonghuan Semiconductor Co.,Ltd. Latest Developments
- 13.12 GRINM Semiconductor Materials Co., Ltd.
- 13.12.1 GRINM Semiconductor Materials Co., Ltd. Company Information
- 13.12.2 GRINM Semiconductor Materials Co., Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.12.3 GRINM Semiconductor Materials Co., Ltd. 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.12.4 GRINM Semiconductor Materials Co., Ltd. Main Business Overview
- 13.12.5 GRINM Semiconductor Materials Co., Ltd. Latest Developments
- 13.13 Zing Semiconductor Corporation
- 13.13.1 Zing Semiconductor Corporation Company Information
- 13.13.2 Zing Semiconductor Corporation 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.13.3 Zing Semiconductor Corporation 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.13.4 Zing Semiconductor Corporation Main Business Overview
- 13.13.5 Zing Semiconductor Corporation Latest Developments
- 13.14 Hangzhou Semiconductor Wafer Co., Ltd.
- 13.14.1 Hangzhou Semiconductor Wafer Co., Ltd. Company Information
- 13.14.2 Hangzhou Semiconductor Wafer Co., Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
- 13.14.3 Hangzhou Semiconductor Wafer Co., Ltd. 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.14.4 Hangzhou Semiconductor Wafer Co., Ltd. Main Business Overview
- 13.14.5 Hangzhou Semiconductor Wafer Co., Ltd. Latest Developments

13.15 Wafer Works Corporation

13.15.1 Wafer Works Corporation Company Information

13.15.2 Wafer Works Corporation 12 Inch Silicon Wafers Product Portfolios and Specifications

13.15.3 Wafer Works Corporation 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)

13.15.4 Wafer Works Corporation Main Business Overview

13.15.5 Wafer Works Corporation Latest Developments

13.16 Yangtze Memory Technology Corp

13.16.1 Yangtze Memory Technology Corp Company Information

13.16.2 Yangtze Memory Technology Corp 12 Inch Silicon Wafers Product Portfolios and Specifications

13.16.3 Yangtze Memory Technology Corp 12 Inch Silicon Wafers Sales, Revenue, Price and Gross Margin (2019-2024)

13.16.4 Yangtze Memory Technology Corp Main Business Overview

13.16.5 Yangtze Memory Technology Corp Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. 12 Inch Silicon Wafers Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. 12 Inch Silicon Wafers Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Polishing Wafer

Table 4. Major Players of Epitaxial Wafer

Table 5. Global 12 Inch Silicon Wafers Sales by Type (2019-2024) & (K Units)

Table 6. Global 12 Inch Silicon Wafers Sales Market Share by Type (2019-2024)

Table 7. Global 12 Inch Silicon Wafers Revenue by Type (2019-2024) & (\$ million)

Table 8. Global 12 Inch Silicon Wafers Revenue Market Share by Type (2019-2024)

Table 9. Global 12 Inch Silicon Wafers Sale Price by Type (2019-2024) & (US\$/Unit)

Table 10. Global 12 Inch Silicon Wafers Sales by Application (2019-2024) & (K Units)

Table 11. Global 12 Inch Silicon Wafers Sales Market Share by Application (2019-2024)

Table 12. Global 12 Inch Silicon Wafers Revenue by Application (2019-2024)

Table 13. Global 12 Inch Silicon Wafers Revenue Market Share by Application (2019-2024)

Table 14. Global 12 Inch Silicon Wafers Sale Price by Application (2019-2024) & (US\$/Unit)

Table 15. Global 12 Inch Silicon Wafers Sales by Company (2019-2024) & (K Units)

Table 16. Global 12 Inch Silicon Wafers Sales Market Share by Company (2019-2024)

Table 17. Global 12 Inch Silicon Wafers Revenue by Company (2019-2024) (\$ Millions)

Table 18. Global 12 Inch Silicon Wafers Revenue Market Share by Company (2019-2024)

Table 19. Global 12 Inch Silicon Wafers Sale Price by Company (2019-2024) & (US\$/Unit)

Table 20. Key Manufacturers 12 Inch Silicon Wafers Producing Area Distribution and Sales Area

Table 21. Players 12 Inch Silicon Wafers Products Offered

Table 22. 12 Inch Silicon Wafers Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global 12 Inch Silicon Wafers Sales by Geographic Region (2019-2024) & (K Units)

Table 26. Global 12 Inch Silicon Wafers Sales Market Share Geographic Region

(2019-2024)

Table 27. Global 12 Inch Silicon Wafers Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global 12 Inch Silicon Wafers Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global 12 Inch Silicon Wafers Sales by Country/Region (2019-2024) & (K Units)

Table 30. Global 12 Inch Silicon Wafers Sales Market Share by Country/Region (2019-2024)

Table 31. Global 12 Inch Silicon Wafers Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global 12 Inch Silicon Wafers Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas 12 Inch Silicon Wafers Sales by Country (2019-2024) & (K Units)

Table 34. Americas 12 Inch Silicon Wafers Sales Market Share by Country (2019-2024)

Table 35. Americas 12 Inch Silicon Wafers Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas 12 Inch Silicon Wafers Revenue Market Share by Country (2019-2024)

Table 37. Americas 12 Inch Silicon Wafers Sales by Type (2019-2024) & (K Units)

Table 38. Americas 12 Inch Silicon Wafers Sales by Application (2019-2024) & (K Units)

Table 39. APAC 12 Inch Silicon Wafers Sales by Region (2019-2024) & (K Units)

Table 40. APAC 12 Inch Silicon Wafers Sales Market Share by Region (2019-2024)

Table 41. APAC 12 Inch Silicon Wafers Revenue by Region (2019-2024) & (\$ Millions)

Table 42. APAC 12 Inch Silicon Wafers Revenue Market Share by Region (2019-2024)

Table 43. APAC 12 Inch Silicon Wafers Sales by Type (2019-2024) & (K Units)

Table 44. APAC 12 Inch Silicon Wafers Sales by Application (2019-2024) & (K Units)

Table 45. Europe 12 Inch Silicon Wafers Sales by Country (2019-2024) & (K Units)

Table 46. Europe 12 Inch Silicon Wafers Sales Market Share by Country (2019-2024)

Table 47. Europe 12 Inch Silicon Wafers Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe 12 Inch Silicon Wafers Revenue Market Share by Country (2019-2024)

Table 49. Europe 12 Inch Silicon Wafers Sales by Type (2019-2024) & (K Units)

Table 50. Europe 12 Inch Silicon Wafers Sales by Application (2019-2024) & (K Units)

Table 51. Middle East & Africa 12 Inch Silicon Wafers Sales by Country (2019-2024) & (K Units)

Table 52. Middle East & Africa 12 Inch Silicon Wafers Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa 12 Inch Silicon Wafers Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa 12 Inch Silicon Wafers Revenue Market Share by Country (2019-2024)

Table 55. Middle East & Africa 12 Inch Silicon Wafers Sales by Type (2019-2024) & (K Units)

Table 56. Middle East & Africa 12 Inch Silicon Wafers Sales by Application (2019-2024) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of 12 Inch Silicon Wafers

Table 58. Key Market Challenges & Risks of 12 Inch Silicon Wafers

Table 59. Key Industry Trends of 12 Inch Silicon Wafers

Table 60. 12 Inch Silicon Wafers Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. 12 Inch Silicon Wafers Distributors List

Table 63. 12 Inch Silicon Wafers Customer List

Table 64. Global 12 Inch Silicon Wafers Sales Forecast by Region (2025-2030) & (K Units)

Table 65. Global 12 Inch Silicon Wafers Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 66. Americas 12 Inch Silicon Wafers Sales Forecast by Country (2025-2030) & (K Units)

Table 67. Americas 12 Inch Silicon Wafers Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. APAC 12 Inch Silicon Wafers Sales Forecast by Region (2025-2030) & (K Units)

Table 69. APAC 12 Inch Silicon Wafers Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 70. Europe 12 Inch Silicon Wafers Sales Forecast by Country (2025-2030) & (K Units)

Table 71. Europe 12 Inch Silicon Wafers Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 72. Middle East & Africa 12 Inch Silicon Wafers Sales Forecast by Country (2025-2030) & (K Units)

Table 73. Middle East & Africa 12 Inch Silicon Wafers Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 74. Global 12 Inch Silicon Wafers Sales Forecast by Type (2025-2030) & (K Units)

Table 75. Global 12 Inch Silicon Wafers Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 76. Global 12 Inch Silicon Wafers Sales Forecast by Application (2025-2030) & (K Units)

Table 77. Global 12 Inch Silicon Wafers Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 78. Shin-Etsu Silicone Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 79. Shin-Etsu Silicone 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 80. Shin-Etsu Silicone 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 81. Shin-Etsu Silicone Main Business

Table 82. Shin-Etsu Silicone Latest Developments

Table 83. Sumco Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 84. Sumco 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 85. Sumco 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 86. Sumco Main Business

Table 87. Sumco Latest Developments

Table 88. Siltronic Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 89. Siltronic 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 90. Siltronic 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 91. Siltronic Main Business

Table 92. Siltronic Latest Developments

Table 93. SK Siltron Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 94. SK Siltron 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 95. SK Siltron 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 96. SK Siltron Main Business

Table 97. SK Siltron Latest Developments

Table 98. Ferrotec Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 99. Ferrotec 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 100. Ferrotec 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 101. Ferrotec Main Business

Table 102. Ferrotec Latest Developments

Table 103. Semiconductor Manufacturing International Corporation Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 104. Semiconductor Manufacturing International Corporation 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 105. Semiconductor Manufacturing International Corporation 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 106. Semiconductor Manufacturing International Corporation Main Business

Table 107. Semiconductor Manufacturing International Corporation Latest Developments

Table 108. Shanghai Huahong Grace Semiconductor Manufacturing Corporation Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 109. Shanghai Huahong Grace Semiconductor Manufacturing Corporation 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 110. Shanghai Huahong Grace Semiconductor Manufacturing Corporation 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 111. Shanghai Huahong Grace Semiconductor Manufacturing Corporation Main Business

Table 112. Shanghai Huahong Grace Semiconductor Manufacturing Corporation Latest Developments

Table 113. Hangzhou Lion Microelectronics Co.,Ltd. Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 114. Hangzhou Lion Microelectronics Co.,Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 115. Hangzhou Lion Microelectronics Co.,Ltd. 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 116. Hangzhou Lion Microelectronics Co.,Ltd. Main Business

Table 117. Hangzhou Lion Microelectronics Co.,Ltd. Latest Developments

Table 118. National Silicon Industry Group Co., Ltd. Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors

Table 119. National Silicon Industry Group Co., Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications

Table 120. National Silicon Industry Group Co., Ltd. 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 121. National Silicon Industry Group Co., Ltd. Main Business

Table 122. National Silicon Industry Group Co., Ltd. Latest Developments

- Table 123. GlobalWafers Co., Ltd. Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors
- Table 124. GlobalWafers Co., Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
- Table 125. GlobalWafers Co., Ltd. 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 126. GlobalWafers Co., Ltd. Main Business
- Table 127. GlobalWafers Co., Ltd. Latest Developments
- Table 128. Tianjin Zhonghuan Semiconductor Co.,Ltd. Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors
- Table 129. Tianjin Zhonghuan Semiconductor Co.,Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
- Table 130. Tianjin Zhonghuan Semiconductor Co.,Ltd. 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 131. Tianjin Zhonghuan Semiconductor Co.,Ltd. Main Business
- Table 132. Tianjin Zhonghuan Semiconductor Co.,Ltd. Latest Developments
- Table 133. GRINM Semiconductor Materials Co., Ltd. Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors
- Table 134. GRINM Semiconductor Materials Co., Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
- Table 135. GRINM Semiconductor Materials Co., Ltd. 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 136. GRINM Semiconductor Materials Co., Ltd. Main Business
- Table 137. GRINM Semiconductor Materials Co., Ltd. Latest Developments
- Table 138. Zing Semiconductor Corporation Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors
- Table 139. Zing Semiconductor Corporation 12 Inch Silicon Wafers Product Portfolios and Specifications
- Table 140. Zing Semiconductor Corporation 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 141. Zing Semiconductor Corporation Main Business
- Table 142. Zing Semiconductor Corporation Latest Developments
- Table 143. Hangzhou Semiconductor Wafer Co., Ltd. Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors
- Table 144. Hangzhou Semiconductor Wafer Co., Ltd. 12 Inch Silicon Wafers Product Portfolios and Specifications
- Table 145. Hangzhou Semiconductor Wafer Co., Ltd. 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 146. Hangzhou Semiconductor Wafer Co., Ltd. Main Business

- Table 147. Hangzhou Semiconductor Wafer Co., Ltd. Latest Developments
- Table 148. Wafer Works Corporation Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors
- Table 149. Wafer Works Corporation 12 Inch Silicon Wafers Product Portfolios and Specifications
- Table 150. Wafer Works Corporation 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 151. Wafer Works Corporation Main Business
- Table 152. Wafer Works Corporation Latest Developments
- Table 153. Yangtze Memory Technology Corp Basic Information, 12 Inch Silicon Wafers Manufacturing Base, Sales Area and Its Competitors
- Table 154. Yangtze Memory Technology Corp 12 Inch Silicon Wafers Product Portfolios and Specifications
- Table 155. Yangtze Memory Technology Corp 12 Inch Silicon Wafers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 156. Yangtze Memory Technology Corp Main Business
- Table 157. Yangtze Memory Technology Corp Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of 12 Inch Silicon Wafers
- Figure 2. 12 Inch Silicon Wafers Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global 12 Inch Silicon Wafers Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global 12 Inch Silicon Wafers Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. 12 Inch Silicon Wafers Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Polishing Wafer
- Figure 10. Product Picture of Epitaxial Wafer
- Figure 11. Global 12 Inch Silicon Wafers Sales Market Share by Type in 2023
- Figure 12. Global 12 Inch Silicon Wafers Revenue Market Share by Type (2019-2024)
- Figure 13. 12 Inch Silicon Wafers Consumed in Memory Chips
- Figure 14. Global 12 Inch Silicon Wafers Market: Memory Chips (2019-2024) & (K Units)
- Figure 15. 12 Inch Silicon Wafers Consumed in Logic Chips
- Figure 16. Global 12 Inch Silicon Wafers Market: Logic Chips (2019-2024) & (K Units)
- Figure 17. Global 12 Inch Silicon Wafers Sales Market Share by Application (2023)
- Figure 18. Global 12 Inch Silicon Wafers Revenue Market Share by Application in 2023
- Figure 19. 12 Inch Silicon Wafers Sales Market by Company in 2023 (K Units)
- Figure 20. Global 12 Inch Silicon Wafers Sales Market Share by Company in 2023
- Figure 21. 12 Inch Silicon Wafers Revenue Market by Company in 2023 (\$ Million)
- Figure 22. Global 12 Inch Silicon Wafers Revenue Market Share by Company in 2023
- Figure 23. Global 12 Inch Silicon Wafers Sales Market Share by Geographic Region (2019-2024)
- Figure 24. Global 12 Inch Silicon Wafers Revenue Market Share by Geographic Region in 2023
- Figure 25. Americas 12 Inch Silicon Wafers Sales 2019-2024 (K Units)
- Figure 26. Americas 12 Inch Silicon Wafers Revenue 2019-2024 (\$ Millions)
- Figure 27. APAC 12 Inch Silicon Wafers Sales 2019-2024 (K Units)
- Figure 28. APAC 12 Inch Silicon Wafers Revenue 2019-2024 (\$ Millions)
- Figure 29. Europe 12 Inch Silicon Wafers Sales 2019-2024 (K Units)
- Figure 30. Europe 12 Inch Silicon Wafers Revenue 2019-2024 (\$ Millions)
- Figure 31. Middle East & Africa 12 Inch Silicon Wafers Sales 2019-2024 (K Units)
- Figure 32. Middle East & Africa 12 Inch Silicon Wafers Revenue 2019-2024 (\$ Millions)

- Figure 33. Americas 12 Inch Silicon Wafers Sales Market Share by Country in 2023
- Figure 34. Americas 12 Inch Silicon Wafers Revenue Market Share by Country in 2023
- Figure 35. Americas 12 Inch Silicon Wafers Sales Market Share by Type (2019-2024)
- Figure 36. Americas 12 Inch Silicon Wafers Sales Market Share by Application (2019-2024)
- Figure 37. United States 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 38. Canada 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 39. Mexico 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 40. Brazil 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 41. APAC 12 Inch Silicon Wafers Sales Market Share by Region in 2023
- Figure 42. APAC 12 Inch Silicon Wafers Revenue Market Share by Regions in 2023
- Figure 43. APAC 12 Inch Silicon Wafers Sales Market Share by Type (2019-2024)
- Figure 44. APAC 12 Inch Silicon Wafers Sales Market Share by Application (2019-2024)
- Figure 45. China 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 46. Japan 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 47. South Korea 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 48. Southeast Asia 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 49. India 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 50. Australia 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 51. China Taiwan 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 52. Europe 12 Inch Silicon Wafers Sales Market Share by Country in 2023
- Figure 53. Europe 12 Inch Silicon Wafers Revenue Market Share by Country in 2023
- Figure 54. Europe 12 Inch Silicon Wafers Sales Market Share by Type (2019-2024)
- Figure 55. Europe 12 Inch Silicon Wafers Sales Market Share by Application (2019-2024)
- Figure 56. Germany 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 57. France 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 58. UK 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 59. Italy 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 60. Russia 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 61. Middle East & Africa 12 Inch Silicon Wafers Sales Market Share by Country in 2023
- Figure 62. Middle East & Africa 12 Inch Silicon Wafers Revenue Market Share by Country in 2023
- Figure 63. Middle East & Africa 12 Inch Silicon Wafers Sales Market Share by Type (2019-2024)

- Figure 64. Middle East & Africa 12 Inch Silicon Wafers Sales Market Share by Application (2019-2024)
- Figure 65. Egypt 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 66. South Africa 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 67. Israel 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 68. Turkey 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 69. GCC Country 12 Inch Silicon Wafers Revenue Growth 2019-2024 (\$ Millions)
- Figure 70. Manufacturing Cost Structure Analysis of 12 Inch Silicon Wafers in 2023
- Figure 71. Manufacturing Process Analysis of 12 Inch Silicon Wafers
- Figure 72. Industry Chain Structure of 12 Inch Silicon Wafers
- Figure 73. Channels of Distribution
- Figure 74. Global 12 Inch Silicon Wafers Sales Market Forecast by Region (2025-2030)
- Figure 75. Global 12 Inch Silicon Wafers Revenue Market Share Forecast by Region (2025-2030)
- Figure 76. Global 12 Inch Silicon Wafers Sales Market Share Forecast by Type (2025-2030)
- Figure 77. Global 12 Inch Silicon Wafers Revenue Market Share Forecast by Type (2025-2030)
- Figure 78. Global 12 Inch Silicon Wafers Sales Market Share Forecast by Application (2025-2030)
- Figure 79. Global 12 Inch Silicon Wafers Revenue Market Share Forecast by Application (2025-2030)

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