

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?

Contents

1 SUPPLY SUMMARY

- 1.1 12 Inch Silicon Wafers Introduction
- 1.2 World 12 Inch Silicon Wafers Supply & Forecast
 - 1.2.1 World 12 Inch Silicon Wafers Production Value (2019 & 2023 & 2030)
 - 1.2.2 World 12 Inch Silicon Wafers Production (2019-2030)
 - 1.2.3 World 12 Inch Silicon Wafers Pricing Trends (2019-2030)
- 1.3 World 12 Inch Silicon Wafers Production by Region (Based on Production Site)
 - 1.3.1 World 12 Inch Silicon Wafers Production Value by Region (2019-2030)
 - 1.3.2 World 12 Inch Silicon Wafers Production by Region (2019-2030)
 - 1.3.3 World 12 Inch Silicon Wafers Average Price by Region (2019-2030)
 - 1.3.4 North America 12 Inch Silicon Wafers Production (2019-2030)
 - 1.3.5 Europe 12 Inch Silicon Wafers Production (2019-2030)
 - 1.3.6 China 12 Inch Silicon Wafers Production (2019-2030)
 - 1.3.7 Japan 12 Inch Silicon Wafers Production (2019-2030)
 - 1.3.8 South Korea 12 Inch Silicon Wafers Production (2019-2030)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 12 Inch Silicon Wafers Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 12 Inch Silicon Wafers Major Market Trends

2 DEMAND SUMMARY

- 2.1 World 12 Inch Silicon Wafers Demand (2019-2030)
- 2.2 World 12 Inch Silicon Wafers Consumption by Region
 - 2.2.1 World 12 Inch Silicon Wafers Consumption by Region (2019-2024)
 - 2.2.2 World 12 Inch Silicon Wafers Consumption Forecast by Region (2025-2030)
- 2.3 United States 12 Inch Silicon Wafers Consumption (2019-2030)
- 2.4 China 12 Inch Silicon Wafers Consumption (2019-2030)
- 2.5 Europe 12 Inch Silicon Wafers Consumption (2019-2030)
- 2.6 Japan 12 Inch Silicon Wafers Consumption (2019-2030)
- 2.7 South Korea 12 Inch Silicon Wafers Consumption (2019-2030)
- 2.8 ASEAN 12 Inch Silicon Wafers Consumption (2019-2030)
- 2.9 India 12 Inch Silicon Wafers Consumption (2019-2030)

3 WORLD 12 INCH SILICON WAFERS MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World 12 Inch Silicon Wafers Production Value by Manufacturer (2019-2024)
- 3.2 World 12 Inch Silicon Wafers Production by Manufacturer (2019-2024)
- 3.3 World 12 Inch Silicon Wafers Average Price by Manufacturer (2019-2024)
- 3.4 12 Inch Silicon Wafers Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global 12 Inch Silicon Wafers Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for 12 Inch Silicon Wafers in 2023
 - 3.5.3 Global Concentration Ratios (CR8) for 12 Inch Silicon Wafers in 2023
- 3.6 12 Inch Silicon Wafers Market: Overall Company Footprint Analysis
 - 3.6.1 12 Inch Silicon Wafers Market: Region Footprint
 - 3.6.2 12 Inch Silicon Wafers Market: Company Product Type Footprint
 - 3.6.3 12 Inch Silicon Wafers Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: 12 Inch Silicon Wafers Production Value Comparison
 - 4.1.1 United States VS China: 12 Inch Silicon Wafers Production Value Comparison (2019 & 2023 & 2030)
 - 4.1.2 United States VS China: 12 Inch Silicon Wafers Production Value Market Share Comparison (2019 & 2023 & 2030)
- 4.2 United States VS China: 12 Inch Silicon Wafers Production Comparison
 - 4.2.1 United States VS China: 12 Inch Silicon Wafers Production Comparison (2019 & 2023 & 2030)
 - 4.2.2 United States VS China: 12 Inch Silicon Wafers Production Market Share Comparison (2019 & 2023 & 2030)
- 4.3 United States VS China: 12 Inch Silicon Wafers Consumption Comparison
 - 4.3.1 United States VS China: 12 Inch Silicon Wafers Consumption Comparison (2019 & 2023 & 2030)
 - 4.3.2 United States VS China: 12 Inch Silicon Wafers Consumption Market Share Comparison (2019 & 2023 & 2030)
- 4.4 United States Based 12 Inch Silicon Wafers Manufacturers and Market Share, 2019-2024

4.4.1 United States Based 12 Inch Silicon Wafers Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers 12 Inch Silicon Wafers Production Value (2019-2024)

4.4.3 United States Based Manufacturers 12 Inch Silicon Wafers Production (2019-2024)

4.5 China Based 12 Inch Silicon Wafers Manufacturers and Market Share

4.5.1 China Based 12 Inch Silicon Wafers Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers 12 Inch Silicon Wafers Production Value (2019-2024)

4.5.3 China Based Manufacturers 12 Inch Silicon Wafers Production (2019-2024)

4.6 Rest of World Based 12 Inch Silicon Wafers Manufacturers and Market Share, 2019-2024

4.6.1 Rest of World Based 12 Inch Silicon Wafers Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers 12 Inch Silicon Wafers Production Value (2019-2024)

4.6.3 Rest of World Based Manufacturers 12 Inch Silicon Wafers Production (2019-2024)

5 MARKET ANALYSIS BY TYPE

5.1 World 12 Inch Silicon Wafers Market Size Overview by Type: 2019 VS 2023 VS 2030

5.2 Segment Introduction by Type

5.2.1 Polishing Wafer

5.2.2 Epitaxial Wafer

5.3 Market Segment by Type

5.3.1 World 12 Inch Silicon Wafers Production by Type (2019-2030)

5.3.2 World 12 Inch Silicon Wafers Production Value by Type (2019-2030)

5.3.3 World 12 Inch Silicon Wafers Average Price by Type (2019-2030)

6 MARKET ANALYSIS BY APPLICATION

6.1 World 12 Inch Silicon Wafers Market Size Overview by Application: 2019 VS 2023 VS 2030

6.2 Segment Introduction by Application

6.2.1 Memory Chips

6.2.2 Logic Chips

6.3 Market Segment by Application

6.3.1 World 12 Inch Silicon Wafers Production by Application (2019-2030)

6.3.2 World 12 Inch Silicon Wafers Production Value by Application (2019-2030)

6.3.3 World 12 Inch Silicon Wafers Average Price by Application (2019-2030)

7 COMPANY PROFILES

7.1 Shin-Etsu Silicone

7.1.1 Shin-Etsu Silicone Details

7.1.2 Shin-Etsu Silicone Major Business

7.1.3 Shin-Etsu Silicone 12 Inch Silicon Wafers Product and Services

7.1.4 Shin-Etsu Silicone 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.1.5 Shin-Etsu Silicone Recent Developments/Updates

7.1.6 Shin-Etsu Silicone Competitive Strengths & Weaknesses

7.2 Sumco

7.2.1 Sumco Details

7.2.2 Sumco Major Business

7.2.3 Sumco 12 Inch Silicon Wafers Product and Services

7.2.4 Sumco 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.2.5 Sumco Recent Developments/Updates

7.2.6 Sumco Competitive Strengths & Weaknesses

7.3 Siltronic

7.3.1 Siltronic Details

7.3.2 Siltronic Major Business

7.3.3 Siltronic 12 Inch Silicon Wafers Product and Services

7.3.4 Siltronic 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.3.5 Siltronic Recent Developments/Updates

7.3.6 Siltronic Competitive Strengths & Weaknesses

7.4 SK Siltron

7.4.1 SK Siltron Details

7.4.2 SK Siltron Major Business

7.4.3 SK Siltron 12 Inch Silicon Wafers Product and Services

7.4.4 SK Siltron 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.4.5 SK Siltron Recent Developments/Updates

- 7.4.6 SK Siltron Competitive Strengths & Weaknesses
- 7.5 Ferrotec
 - 7.5.1 Ferrotec Details
 - 7.5.2 Ferrotec Major Business
 - 7.5.3 Ferrotec 12 Inch Silicon Wafers Product and Services
 - 7.5.4 Ferrotec 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.5.5 Ferrotec Recent Developments/Updates
 - 7.5.6 Ferrotec Competitive Strengths & Weaknesses
- 7.6 Semiconductor Manufacturing International Corporation
 - 7.6.1 Semiconductor Manufacturing International Corporation Details
 - 7.6.2 Semiconductor Manufacturing International Corporation Major Business
 - 7.6.3 Semiconductor Manufacturing International Corporation 12 Inch Silicon Wafers Product and Services
 - 7.6.4 Semiconductor Manufacturing International Corporation 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.6.5 Semiconductor Manufacturing International Corporation Recent Developments/Updates
 - 7.6.6 Semiconductor Manufacturing International Corporation Competitive Strengths & Weaknesses
- 7.7 Shanghai Huahong Grace Semiconductor Manufacturing Corporation
 - 7.7.1 Shanghai Huahong Grace Semiconductor Manufacturing Corporation Details
 - 7.7.2 Shanghai Huahong Grace Semiconductor Manufacturing Corporation Major Business
 - 7.7.3 Shanghai Huahong Grace Semiconductor Manufacturing Corporation 12 Inch Silicon Wafers Product and Services
 - 7.7.4 Shanghai Huahong Grace Semiconductor Manufacturing Corporation 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.7.5 Shanghai Huahong Grace Semiconductor Manufacturing Corporation Recent Developments/Updates
 - 7.7.6 Shanghai Huahong Grace Semiconductor Manufacturing Corporation Competitive Strengths & Weaknesses
- 7.8 Hangzhou Lion Microelectronics Co.,Ltd.
 - 7.8.1 Hangzhou Lion Microelectronics Co.,Ltd. Details
 - 7.8.2 Hangzhou Lion Microelectronics Co.,Ltd. Major Business
 - 7.8.3 Hangzhou Lion Microelectronics Co.,Ltd. 12 Inch Silicon Wafers Product and Services
 - 7.8.4 Hangzhou Lion Microelectronics Co.,Ltd. 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

- 7.8.5 Hangzhou Lion Microelectronics Co.,Ltd. Recent Developments/Updates
- 7.8.6 Hangzhou Lion Microelectronics Co.,Ltd. Competitive Strengths & Weaknesses
- 7.9 National Silicon Industry Group Co., Ltd.
 - 7.9.1 National Silicon Industry Group Co., Ltd. Details
 - 7.9.2 National Silicon Industry Group Co., Ltd. Major Business
 - 7.9.3 National Silicon Industry Group Co., Ltd. 12 Inch Silicon Wafers Product and Services
 - 7.9.4 National Silicon Industry Group Co., Ltd. 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.9.5 National Silicon Industry Group Co., Ltd. Recent Developments/Updates
 - 7.9.6 National Silicon Industry Group Co., Ltd. Competitive Strengths & Weaknesses
- 7.10 GlobalWafers Co., Ltd.
 - 7.10.1 GlobalWafers Co., Ltd. Details
 - 7.10.2 GlobalWafers Co., Ltd. Major Business
 - 7.10.3 GlobalWafers Co., Ltd. 12 Inch Silicon Wafers Product and Services
 - 7.10.4 GlobalWafers Co., Ltd. 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.10.5 GlobalWafers Co., Ltd. Recent Developments/Updates
 - 7.10.6 GlobalWafers Co., Ltd. Competitive Strengths & Weaknesses
- 7.11 Tianjin Zhonghuan Semiconductor Co.,Ltd.
 - 7.11.1 Tianjin Zhonghuan Semiconductor Co.,Ltd. Details
 - 7.11.2 Tianjin Zhonghuan Semiconductor Co.,Ltd. Major Business
 - 7.11.3 Tianjin Zhonghuan Semiconductor Co.,Ltd. 12 Inch Silicon Wafers Product and Services
 - 7.11.4 Tianjin Zhonghuan Semiconductor Co.,Ltd. 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.11.5 Tianjin Zhonghuan Semiconductor Co.,Ltd. Recent Developments/Updates
 - 7.11.6 Tianjin Zhonghuan Semiconductor Co.,Ltd. Competitive Strengths & Weaknesses
- 7.12 GRINM Semiconductor Materials Co., Ltd.
 - 7.12.1 GRINM Semiconductor Materials Co., Ltd. Details
 - 7.12.2 GRINM Semiconductor Materials Co., Ltd. Major Business
 - 7.12.3 GRINM Semiconductor Materials Co., Ltd. 12 Inch Silicon Wafers Product and Services
 - 7.12.4 GRINM Semiconductor Materials Co., Ltd. 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)
 - 7.12.5 GRINM Semiconductor Materials Co., Ltd. Recent Developments/Updates
 - 7.12.6 GRINM Semiconductor Materials Co., Ltd. Competitive Strengths & Weaknesses

7.13 Zing Semiconductor Corporation

7.13.1 Zing Semiconductor Corporation Details

7.13.2 Zing Semiconductor Corporation Major Business

7.13.3 Zing Semiconductor Corporation 12 Inch Silicon Wafers Product and Services

7.13.4 Zing Semiconductor Corporation 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.13.5 Zing Semiconductor Corporation Recent Developments/Updates

7.13.6 Zing Semiconductor Corporation Competitive Strengths & Weaknesses

7.14 Hangzhou Semiconductor Wafer Co., Ltd.

7.14.1 Hangzhou Semiconductor Wafer Co., Ltd. Details

7.14.2 Hangzhou Semiconductor Wafer Co., Ltd. Major Business

7.14.3 Hangzhou Semiconductor Wafer Co., Ltd. 12 Inch Silicon Wafers Product and Services

7.14.4 Hangzhou Semiconductor Wafer Co., Ltd. 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.14.5 Hangzhou Semiconductor Wafer Co., Ltd. Recent Developments/Updates

7.14.6 Hangzhou Semiconductor Wafer Co., Ltd. Competitive Strengths & Weaknesses

7.15 Wafer Works Corporation

7.15.1 Wafer Works Corporation Details

7.15.2 Wafer Works Corporation Major Business

7.15.3 Wafer Works Corporation 12 Inch Silicon Wafers Product and Services

7.15.4 Wafer Works Corporation 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.15.5 Wafer Works Corporation Recent Developments/Updates

7.15.6 Wafer Works Corporation Competitive Strengths & Weaknesses

7.16 Yangtze Memory Technology Corp

7.16.1 Yangtze Memory Technology Corp Details

7.16.2 Yangtze Memory Technology Corp Major Business

7.16.3 Yangtze Memory Technology Corp 12 Inch Silicon Wafers Product and Services

7.16.4 Yangtze Memory Technology Corp 12 Inch Silicon Wafers Production, Price, Value, Gross Margin and Market Share (2019-2024)

7.16.5 Yangtze Memory Technology Corp Recent Developments/Updates

7.16.6 Yangtze Memory Technology Corp Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 12 Inch Silicon Wafers Industry Chain

8.2 12 Inch Silicon Wafers Upstream Analysis

8.2.1 12 Inch Silicon Wafers Core Raw Materials

8.2.2 Main Manufacturers of 12 Inch Silicon Wafers Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 12 Inch Silicon Wafers Production Mode

8.6 12 Inch Silicon Wafers Procurement Model

8.7 12 Inch Silicon Wafers Industry Sales Model and Sales Channels

8.7.1 12 Inch Silicon Wafers Sales Model

8.7.2 12 Inch Silicon Wafers Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World 12 Inch Silicon Wafers Production Value by Region (2019, 2023 and 2030) & (USD Million)

Table 2. World 12 Inch Silicon Wafers Production Value by Region (2019-2024) & (USD Million)

Table 3. World 12 Inch Silicon Wafers Production Value by Region (2025-2030) & (USD Million)

Table 4. World 12 Inch Silicon Wafers Production Value Market Share by Region (2019-2024)

Table 5. World 12 Inch Silicon Wafers Production Value Market Share by Region (2025-2030)

Table 6. World 12 Inch Silicon Wafers Production by Region (2019-2024) & (K Units)

Table 7. World 12 Inch Silicon Wafers Production by Region (2025-2030) & (K Units)

Table 8. World 12 Inch Silicon Wafers Production Market Share by Region (2019-2024)

Table 9. World 12 Inch Silicon Wafers Production Market Share by Region (2025-2030)

Table 10. World 12 Inch Silicon Wafers Average Price by Region (2019-2024) & (US\$/Unit)

Table 11. World 12 Inch Silicon Wafers Average Price by Region (2025-2030) & (US\$/Unit)

Table 12. 12 Inch Silicon Wafers Major Market Trends

Table 13. World 12 Inch Silicon Wafers Consumption Growth Rate Forecast by Region (2019 & 2023 & 2030) & (K Units)

Table 14. World 12 Inch Silicon Wafers Consumption by Region (2019-2024) & (K Units)

Table 15. World 12 Inch Silicon Wafers Consumption Forecast by Region (2025-2030) & (K Units)

Table 16. World 12 Inch Silicon Wafers Production Value by Manufacturer (2019-2024) & (USD Million)

Table 17. Production Value Market Share of Key 12 Inch Silicon Wafers Producers in 2023

Table 18. World 12 Inch Silicon Wafers Production by Manufacturer (2019-2024) & (K Units)

Table 19. Production Market Share of Key 12 Inch Silicon Wafers Producers in 2023

Table 20. World 12 Inch Silicon Wafers Average Price by Manufacturer (2019-2024) & (US\$/Unit)

Table 21. Global 12 Inch Silicon Wafers Company Evaluation Quadrant

Table 22. World 12 Inch Silicon Wafers Industry Rank of Major Manufacturers, Based on Production Value in 2023

Table 23. Head Office and 12 Inch Silicon Wafers Production Site of Key Manufacturer

Table 24. 12 Inch Silicon Wafers Market: Company Product Type Footprint

Table 25. 12 Inch Silicon Wafers Market: Company Product Application Footprint

Table 26. 12 Inch Silicon Wafers Competitive Factors

Table 27. 12 Inch Silicon Wafers New Entrant and Capacity Expansion Plans

Table 28. 12 Inch Silicon Wafers Mergers & Acquisitions Activity

Table 29. United States VS China 12 Inch Silicon Wafers Production Value Comparison, (2019 & 2023 & 2030) & (USD Million)

Table 30. United States VS China 12 Inch Silicon Wafers Production Comparison, (2019 & 2023 & 2030) & (K Units)

Table 31. United States VS China 12 Inch Silicon Wafers Consumption Comparison, (2019 & 2023 & 2030) & (K Units)

Table 32. United States Based 12 Inch Silicon Wafers Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers 12 Inch Silicon Wafers Production Value, (2019-2024) & (USD Million)

Table 34. United States Based Manufacturers 12 Inch Silicon Wafers Production Value Market Share (2019-2024)

Table 35. United States Based Manufacturers 12 Inch Silicon Wafers Production (2019-2024) & (K Units)

Table 36. United States Based Manufacturers 12 Inch Silicon Wafers Production Market Share (2019-2024)

Table 37. China Based 12 Inch Silicon Wafers Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers 12 Inch Silicon Wafers Production Value, (2019-2024) & (USD Million)

Table 39. China Based Manufacturers 12 Inch Silicon Wafers Production Value Market Share (2019-2024)

Table 40. China Based Manufacturers 12 Inch Silicon Wafers Production (2019-2024) & (K Units)

Table 41. China Based Manufacturers 12 Inch Silicon Wafers Production Market Share (2019-2024)

Table 42. Rest of World Based 12 Inch Silicon Wafers Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers 12 Inch Silicon Wafers Production Value, (2019-2024) & (USD Million)

Table 44. Rest of World Based Manufacturers 12 Inch Silicon Wafers Production Value

Market Share (2019-2024)

Table 45. Rest of World Based Manufacturers 12 Inch Silicon Wafers Production (2019-2024) & (K Units)

Table 46. Rest of World Based Manufacturers 12 Inch Silicon Wafers Production Market Share (2019-2024)

Table 47. World 12 Inch Silicon Wafers Production Value by Type, (USD Million), 2019 & 2023 & 2030

Table 48. World 12 Inch Silicon Wafers Production by Type (2019-2024) & (K Units)

Table 49. World 12 Inch Silicon Wafers Production by Type (2025-2030) & (K Units)

Table 50. World 12 Inch Silicon Wafers Production Value by Type (2019-2024) & (USD Million)

Table 51. World 12 Inch Silicon Wafers Production Value by Type (2025-2030) & (USD Million)

Table 52. World 12 Inch Silicon Wafers Average Price by Type (2019-2024) & (US\$/Unit)

Table 53. World 12 Inch Silicon Wafers Average Price by Type (2025-2030) & (US\$/Unit)

Table 54. World 12 Inch Silicon Wafers Production Value by Application, (USD Million), 2019 & 2023 & 2030

Table 55. World 12 Inch Silicon Wafers Production by Application (2019-2024) & (K Units)

Table 56. World 12 Inch Silicon Wafers Production by Application (2025-2030) & (K Units)

Table 57. World 12 Inch Silicon Wafers Production Value by Application (2019-2024) & (USD Million)

Table 58. World 12 Inch Silicon Wafers Production Value by Application (2025-2030) & (USD Million)

Table 59. World 12 Inch Silicon Wafers Average Price by Application (2019-2024) & (US\$/Unit)

Table 60. World 12 Inch Silicon Wafers Average Price by Application (2025-2030) & (US\$/Unit)

Table 61. Shin-Etsu Silicone Basic Information, Manufacturing Base and Competitors

Table 62. Shin-Etsu Silicone Major Business

Table 63. Shin-Etsu Silicone 12 Inch Silicon Wafers Product and Services

Table 64. Shin-Etsu Silicone 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 65. Shin-Etsu Silicone Recent Developments/Updates

Table 66. Shin-Etsu Silicone Competitive Strengths & Weaknesses

- Table 67. Sumco Basic Information, Manufacturing Base and Competitors
- Table 68. Sumco Major Business
- Table 69. Sumco 12 Inch Silicon Wafers Product and Services
- Table 70. Sumco 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 71. Sumco Recent Developments/Updates
- Table 72. Sumco Competitive Strengths & Weaknesses
- Table 73. Siltronic Basic Information, Manufacturing Base and Competitors
- Table 74. Siltronic Major Business
- Table 75. Siltronic 12 Inch Silicon Wafers Product and Services
- Table 76. Siltronic 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 77. Siltronic Recent Developments/Updates
- Table 78. Siltronic Competitive Strengths & Weaknesses
- Table 79. SK Siltron Basic Information, Manufacturing Base and Competitors
- Table 80. SK Siltron Major Business
- Table 81. SK Siltron 12 Inch Silicon Wafers Product and Services
- Table 82. SK Siltron 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 83. SK Siltron Recent Developments/Updates
- Table 84. SK Siltron Competitive Strengths & Weaknesses
- Table 85. Ferrotec Basic Information, Manufacturing Base and Competitors
- Table 86. Ferrotec Major Business
- Table 87. Ferrotec 12 Inch Silicon Wafers Product and Services
- Table 88. Ferrotec 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 89. Ferrotec Recent Developments/Updates
- Table 90. Ferrotec Competitive Strengths & Weaknesses
- Table 91. Semiconductor Manufacturing International Corporation Basic Information, Manufacturing Base and Competitors
- Table 92. Semiconductor Manufacturing International Corporation Major Business
- Table 93. Semiconductor Manufacturing International Corporation 12 Inch Silicon Wafers Product and Services
- Table 94. Semiconductor Manufacturing International Corporation 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 95. Semiconductor Manufacturing International Corporation Recent Developments/Updates
- Table 96. Semiconductor Manufacturing International Corporation Competitive

Strengths & Weaknesses

Table 97. Shanghai Huahong Grace Semiconductor Manufacturing Corporation Basic Information, Manufacturing Base and Competitors

Table 98. Shanghai Huahong Grace Semiconductor Manufacturing Corporation Major Business

Table 99. Shanghai Huahong Grace Semiconductor Manufacturing Corporation 12 Inch Silicon Wafers Product and Services

Table 100. Shanghai Huahong Grace Semiconductor Manufacturing Corporation 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 101. Shanghai Huahong Grace Semiconductor Manufacturing Corporation Recent Developments/Updates

Table 102. Shanghai Huahong Grace Semiconductor Manufacturing Corporation Competitive Strengths & Weaknesses

Table 103. Hangzhou Lion Microelectronics Co.,Ltd. Basic Information, Manufacturing Base and Competitors

Table 104. Hangzhou Lion Microelectronics Co.,Ltd. Major Business

Table 105. Hangzhou Lion Microelectronics Co.,Ltd. 12 Inch Silicon Wafers Product and Services

Table 106. Hangzhou Lion Microelectronics Co.,Ltd. 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 107. Hangzhou Lion Microelectronics Co.,Ltd. Recent Developments/Updates

Table 108. Hangzhou Lion Microelectronics Co.,Ltd. Competitive Strengths & Weaknesses

Table 109. National Silicon Industry Group Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 110. National Silicon Industry Group Co., Ltd. Major Business

Table 111. National Silicon Industry Group Co., Ltd. 12 Inch Silicon Wafers Product and Services

Table 112. National Silicon Industry Group Co., Ltd. 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 113. National Silicon Industry Group Co., Ltd. Recent Developments/Updates

Table 114. National Silicon Industry Group Co., Ltd. Competitive Strengths & Weaknesses

Table 115. GlobalWafers Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 116. GlobalWafers Co., Ltd. Major Business

- Table 117. GlobalWafers Co., Ltd. 12 Inch Silicon Wafers Product and Services
- Table 118. GlobalWafers Co., Ltd. 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 119. GlobalWafers Co., Ltd. Recent Developments/Updates
- Table 120. GlobalWafers Co., Ltd. Competitive Strengths & Weaknesses
- Table 121. Tianjin Zhonghuan Semiconductor Co.,Ltd. Basic Information, Manufacturing Base and Competitors
- Table 122. Tianjin Zhonghuan Semiconductor Co.,Ltd. Major Business
- Table 123. Tianjin Zhonghuan Semiconductor Co.,Ltd. 12 Inch Silicon Wafers Product and Services
- Table 124. Tianjin Zhonghuan Semiconductor Co.,Ltd. 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 125. Tianjin Zhonghuan Semiconductor Co.,Ltd. Recent Developments/Updates
- Table 126. Tianjin Zhonghuan Semiconductor Co.,Ltd. Competitive Strengths & Weaknesses
- Table 127. GRINM Semiconductor Materials Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 128. GRINM Semiconductor Materials Co., Ltd. Major Business
- Table 129. GRINM Semiconductor Materials Co., Ltd. 12 Inch Silicon Wafers Product and Services
- Table 130. GRINM Semiconductor Materials Co., Ltd. 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 131. GRINM Semiconductor Materials Co., Ltd. Recent Developments/Updates
- Table 132. GRINM Semiconductor Materials Co., Ltd. Competitive Strengths & Weaknesses
- Table 133. Zing Semiconductor Corporation Basic Information, Manufacturing Base and Competitors
- Table 134. Zing Semiconductor Corporation Major Business
- Table 135. Zing Semiconductor Corporation 12 Inch Silicon Wafers Product and Services
- Table 136. Zing Semiconductor Corporation 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)
- Table 137. Zing Semiconductor Corporation Recent Developments/Updates
- Table 138. Zing Semiconductor Corporation Competitive Strengths & Weaknesses
- Table 139. Hangzhou Semiconductor Wafer Co., Ltd. Basic Information, Manufacturing

Base and Competitors

Table 140. Hangzhou Semiconductor Wafer Co., Ltd. Major Business

Table 141. Hangzhou Semiconductor Wafer Co., Ltd. 12 Inch Silicon Wafers Product and Services

Table 142. Hangzhou Semiconductor Wafer Co., Ltd. 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 143. Hangzhou Semiconductor Wafer Co., Ltd. Recent Developments/Updates

Table 144. Hangzhou Semiconductor Wafer Co., Ltd. Competitive Strengths & Weaknesses

Table 145. Wafer Works Corporation Basic Information, Manufacturing Base and Competitors

Table 146. Wafer Works Corporation Major Business

Table 147. Wafer Works Corporation 12 Inch Silicon Wafers Product and Services

Table 148. Wafer Works Corporation 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 149. Wafer Works Corporation Recent Developments/Updates

Table 150. Yangtze Memory Technology Corp Basic Information, Manufacturing Base and Competitors

Table 151. Yangtze Memory Technology Corp Major Business

Table 152. Yangtze Memory Technology Corp 12 Inch Silicon Wafers Product and Services

Table 153. Yangtze Memory Technology Corp 12 Inch Silicon Wafers Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2019-2024)

Table 154. Global Key Players of 12 Inch Silicon Wafers Upstream (Raw Materials)

Table 155. 12 Inch Silicon Wafers Typical Customers

Table 156. 12 Inch Silicon Wafers Typical Distributors

LIST OF FIGURE

Figure 1. 12 Inch Silicon Wafers Picture

Figure 2. World 12 Inch Silicon Wafers Production Value: 2019 & 2023 & 2030, (USD Million)

Figure 3. World 12 Inch Silicon Wafers Production Value and Forecast (2019-2030) & (USD Million)

Figure 4. World 12 Inch Silicon Wafers Production (2019-2030) & (K Units)

Figure 5. World 12 Inch Silicon Wafers Average Price (2019-2030) & (US\$/Unit)

Figure 6. World 12 Inch Silicon Wafers Production Value Market Share by Region (2019-2030)

Figure 7. World 12 Inch Silicon Wafers Production Market Share by Region (2019-2030)

Figure 8. North America 12 Inch Silicon Wafers Production (2019-2030) & (K Units)

Figure 9. Europe 12 Inch Silicon Wafers Production (2019-2030) & (K Units)

Figure 10. China 12 Inch Silicon Wafers Production (2019-2030) & (K Units)

Figure 11. Japan 12 Inch Silicon Wafers Production (2019-2030) & (K Units)

Figure 12. South Korea 12 Inch Silicon Wafers Production (2019-2030) & (K Units)

Figure 13. 12 Inch Silicon Wafers Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World 12 Inch Silicon Wafers Consumption (2019-2030) & (K Units)

Figure 16. World 12 Inch Silicon Wafers Consumption Market Share by Region (2019-2030)

Figure 17. United States 12 Inch Silicon Wafers Consumption (2019-2030) & (K Units)

Figure 18. China 12 Inch Silicon Wafers Consumption (2019-2030) & (K Units)

Figure 19. Europe 12 Inch Silicon Wafers Consumption (2019-2030) & (K Units)

Figure 20. Japan 12 Inch Silicon Wafers Consumption (2019-2030) & (K Units)

Figure 21. South Korea 12 Inch Silicon Wafers Consumption (2019-2030) & (K Units)

Figure 22. ASEAN 12 Inch Silicon Wafers Consumption (2019-2030) & (K Units)

Figure 23. India 12 Inch Silicon Wafers Consumption (2019-2030) & (K Units)

Figure 24. Producer Shipments of 12 Inch Silicon Wafers by Manufacturer Revenue (\$MM) and Market Share (%): 2023

Figure 25. Global Four-firm Concentration Ratios (CR4) for 12 Inch Silicon Wafers Markets in 2023

Figure 26. Global Four-firm Concentration Ratios (CR8) for 12 Inch Silicon Wafers Markets in 2023

Figure 27. United States VS China: 12 Inch Silicon Wafers Production Value Market Share Comparison (2019 & 2023 & 2030)

Figure 28. United States VS China: 12 Inch Silicon Wafers Production Market Share Comparison (2019 & 2023 & 2030)

Figure 29. United States VS China: 12 Inch Silicon Wafers Consumption Market Share Comparison (2019 & 2023 & 2030)

Figure 30. United States Based Manufacturers 12 Inch Silicon Wafers Production Market Share 2023

Figure 31. China Based Manufacturers 12 Inch Silicon Wafers Production Market Share 2023

Figure 32. Rest of World Based Manufacturers 12 Inch Silicon Wafers Production Market Share 2023

Figure 33. World 12 Inch Silicon Wafers Production Value by Type, (USD Million), 2019

& 2023 & 2030

Figure 34. World 12 Inch Silicon Wafers Production Value Market Share by Type in 2023

Figure 35. Polishing Wafer

Figure 36. Epitaxial Wafer

Figure 37. World 12 Inch Silicon Wafers Production Market Share by Type (2019-2030)

Figure 38. World 12 Inch Silicon Wafers Production Value Market Share by Type (2019-2030)

Figure 39. World 12 Inch Silicon Wafers Average Price by Type (2019-2030) & (US\$/Unit)

Figure 40. World 12 Inch Silicon Wafers Production Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 41. World 12 Inch Silicon Wafers Production Value Market Share by Application in 2023

Figure 42. Memory Chips

Figure 43. Logic Chips

Figure 44. World 12 Inch Silicon Wafers Production Market Share by Application (2019-2030)

Figure 45. World 12 Inch Silicon Wafers Production Value Market Share by Application (2019-2030)

Figure 46. World 12 Inch Silicon Wafers Average Price by Application (2019-2030) & (US\$/Unit)

Figure 47. 12 Inch Silicon Wafers Industry Chain

Figure 48. 12 Inch Silicon Wafers Procurement Model

Figure 49. 12 Inch Silicon Wafers Sales Model

Figure 50. 12 Inch Silicon Wafers Sales Channels, Direct Sales, and Distribution

Figure 51. Methodology

Figure 52. Research Process and Data Source

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