

Global Thin Wafer Market Size study, by Wafer size (125 mm, 200 mm, 300 mm), by Process (Temporary Bonding & Debonding, Carrier-less/Taiko Process), by Technology (Grinding, Polishing, Dicing), by Application (MEMS, CIS, Memory, RF Devices, LED, Interposer, Logic, Others) and Regional Forecasts 2020-2027

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Abstracts

Global Thin Wafer Market is valued approximately USD 7.1 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 7.2 % over the forecast period 2020-2027. A thin wafer, also known as a substrate or portion of semiconductor material, is an electronic component used in integrated circuits (ICs) for manufacturing and in solar cells, as well as in photovoltaics. Wafer is used as a powerful substratum in microcontroller devices and undergoes processes of etching, deposition, and iron implant. The market is driven by rising adoption of MEMS technology in portable health tracking devices, increasing emphasis on e-learning in the midst of COVID-19 drives demand for smartphones, tablets, laptops, and telecommunication systems, decreasing electronic device sizes, rising markets for smartphones and consumer electronics, high material saving. The key players of global Thin Wafer market have adopted various strategies to gain competitive advantage including product launch, mergers and acquisition, partnerships and agreements, investment, funding and others. For instance, In June 2020, in response to the growing demand for such wafers in applications such as data centers and 5 G wireless networks, Siltronic AG invested in an epitaxial reactor to increase its GaN-on-Si (Gallium Nitride-on-Silicon) wafer portfolio production power. Under high power densities, GaN technology promotes efficient energy delivery. However, efficiency maintenance is the major issue for thin wafers and would restrain growth of market.

The regional analysis of global Thin Wafer Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of laptops, and telecommunication systems, decreasing electronic device sizes, rising markets for smartphones and consumer electronics, high material saving. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors Rising adoption of MEMS technology in portable health tracking devices, increasing emphasis on e-learning in the midst of COVID-19 drives demand for smartphones, tablets would create lucrative growth prospects for the Thin Wafer Market across Asia-Pacific region.

Major market player included in this report are:

3M Company

Brewer Science, Inc.

EV Group

GlobalWafers Co., Ltd

My-Chip Production GmbH

Polishing Corporation of America

Siltronic AG

Sil'tronix Silicon Technologies

ULVAC GmbH

Virginia Semiconductor Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Wafer size:

125 mm

200 mm

300 mm

By Process:

Temporary Bonding & Debonding

Carrier-less/Taiko Process

By Technology:

Grinding

Polishing

Dicing

By Application:

Memory

RF Devices

LED

Interposer

Logic

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Thin Wafer Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2018-2027 (USD Billion)
 - 1.2.1. Thin Wafer Market, by Region, 2018-2027 (USD Billion)
 - 1.2.2. Thin Wafer Market, by Wafer Size, 2018-2027 (USD Billion)
 - 1.2.3. Thin Wafer Market, by Process, 2018-2027 (USD Billion)
 - 1.2.4. Thin Wafer Market, by Technology, 2018-2027 (USD Billion)
 - 1.2.5. Thin Wafer Market, by Application, 2018-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL THIN WAFER MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL THIN WAFER MARKET DYNAMICS

- 3.1. Thin Wafer Market Impact Analysis (2018-2027)
 - 3.1.1. Market Drivers
 - 3.1.2. Market Challenges
 - 3.1.3. Market Opportunities

CHAPTER 4. GLOBAL THIN WAFER MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry

- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2017-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL THIN WAFER MARKET, BY WAFER SIZE

- 5.1. Market Snapshot
- 5.2. Global Thin Wafer Market by Wafer Size, Performance - Potential Analysis
- 5.3. Global Thin Wafer Market Estimates & Forecasts by Wafer Size 2017-2027 (USD Billion)
- 5.4. Thin Wafer Market, Sub Segment Analysis
 - 5.4.1. 125 mm
 - 5.4.2. 200 mm
 - 5.4.3. 300 mm

CHAPTER 6. GLOBAL THIN WAFER MARKET, BY PROCESS

- 6.1. Market Snapshot
- 6.2. Global Thin Wafer Market by Process, Performance - Potential Analysis
- 6.3. Global Thin Wafer Market Estimates & Forecasts by Process 2017-2027 (USD Billion)
- 6.4. Thin Wafer Market, Sub Segment Analysis
 - 6.4.1. Temporary Bonding & Debonding
 - 6.4.2. Carrier-less/Taiko Process

CHAPTER 7. GLOBAL THIN WAFER MARKET, BY TECHNOLOGY

- 7.1. Market Snapshot
- 7.2. Global Thin Wafer Market by Technology, Performance - Potential Analysis
- 7.3. Global Thin Wafer Market Estimates & Forecasts by Technology 2017-2027 (USD Billion)
- 7.4. Thin Wafer Market, Sub Segment Analysis
 - 7.4.1. Grinding
 - 7.4.2. Polishing

7.4.3. Dicing

CHAPTER 8. GLOBAL THIN WAFER MARKET, BY APPLICATION

8.1. Market Snapshot

8.2. Global Thin Wafer Market by Application, Performance - Potential Analysis

8.3. Global Thin Wafer Market Estimates & Forecasts by Application 2017-2027 (USD Billion)

8.4. Thin Wafer Market, Sub Segment Analysis

8.4.1.

8.4.2. Memory

8.4.3. RF Devices

8.4.4. LED

8.4.5. Interposer

8.4.6. Logic

8.4.7. Others

CHAPTER 9. GLOBAL THIN WAFER MARKET, REGIONAL ANALYSIS

9.1. Thin Wafer Market, Regional Market Snapshot

9.2. North America Thin Wafer Market

9.2.1. U.S. Thin Wafer Market

9.2.1.1. Wafer size breakdown estimates & forecasts, 2017-2027

9.2.1.2. Process breakdown estimates & forecasts, 2017-2027

9.2.1.3. Technology breakdown estimates & forecasts, 2017-2027

9.2.1.4. Application breakdown estimates & forecasts, 2017-2027

9.2.2. Canada Thin Wafer Market

9.3. Europe Thin Wafer Market Snapshot

9.3.1. U.K. Thin Wafer Market

9.3.2. Germany Thin Wafer Market

9.3.3. France Thin Wafer Market

9.3.4. Spain Thin Wafer Market

9.3.5. Italy Thin Wafer Market

9.3.6. Rest of Europe Thin Wafer Market

9.4. Asia-Pacific Thin Wafer Market Snapshot

9.4.1. China Thin Wafer Market

9.4.2. India Thin Wafer Market

9.4.3. Japan Thin Wafer Market

9.4.4. Australia Thin Wafer Market

- 9.4.5. South Korea Thin Wafer Market
- 9.4.6. Rest of Asia Pacific Thin Wafer Market
- 9.5. Latin America Thin Wafer Market Snapshot
 - 9.5.1. Brazil Thin Wafer Market
 - 9.5.2. Mexico Thin Wafer Market
- 9.6. Rest of The World Thin Wafer Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. 3M Company
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. Brewer Science, Inc.
 - 10.2.3. EV Group
 - 10.2.4. GlobalWafers Co., Ltd
 - 10.2.5. My-Chip Production GmbH
 - 10.2.6. Polishing Corporation of America
 - 10.2.7. Siltronic AG
 - 10.2.8. Sil'tronix Silicon Technologies
 - 10.2.9. ULVAC GmbH
 - 10.2.10. Virginia Semiconductor Inc.

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. GLOBAL THIN WAFER MARKET, REPORT SCOPE

TABLE 2. GLOBAL THIN WAFER MARKET ESTIMATES & FORECASTS BY REGION
2017-2027 (USD BILLION)

TABLE 3. GLOBAL THIN WAFER MARKET ESTIMATES & FORECASTS BY
PRODUCT TYPE 2017-2027 (USD BILLION)

TABLE 4. GLOBAL THIN WAFER MARKET ESTIMATES & FORECASTS BY
PRODUCT DESIGN 2017-2027 (USD BILLION)

TABLE 5. GLOBAL THIN WAFER MARKET BY SEGMENT, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 6. GLOBAL THIN WAFER MARKET BY REGION, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 7. GLOBAL THIN WAFER MARKET BY SEGMENT, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 8. GLOBAL THIN WAFER MARKET BY REGION, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 9. GLOBAL THIN WAFER MARKET BY SEGMENT, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 10. GLOBAL THIN WAFER MARKET BY REGION, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 11. GLOBAL THIN WAFER MARKET BY SEGMENT, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 12. GLOBAL THIN WAFER MARKET BY REGION, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 13. GLOBAL THIN WAFER MARKET BY SEGMENT, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 14. GLOBAL THIN WAFER MARKET BY REGION, ESTIMATES &
FORECASTS, 2017-2027 (USD BILLION)

TABLE 15. U.S. THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027
(USD BILLION)

TABLE 16. U.S. THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT
2017-2027 (USD BILLION)

TABLE 17. U.S. THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT
2017-2027 (USD BILLION)

TABLE 18. CANADA THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027
(USD BILLION)

TABLE 19. CANADA THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 20. CANADA THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 21. UK THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 22. UK THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 23. UK THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 24. GERMANY THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 25. GERMANY THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 26. GERMANY THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 27. ROE THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 28. ROE THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 29. ROE THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 30. CHINA THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 31. CHINA THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 32. CHINA THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 33. INDIA THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 34. INDIA THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 35. INDIA THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 36. JAPAN THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 37. JAPAN THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 38. JAPAN THIN WAFER MARKET ESTIMATES & FORECASTS BY

SEGMENT 2017-2027 (USD BILLION)

TABLE 39. ROAPAC THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 40. ROAPAC THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 41. ROAPAC THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 42. BRAZIL THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 43. BRAZIL THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 44. BRAZIL THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 45. MEXICO THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 46. MEXICO THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 47. MEXICO THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 48. ROLA THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 49. ROLA THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 50. ROLA THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 51. ROW THIN WAFER MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 52. ROW THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 53. ROW THIN WAFER MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 54. LIST OF SECONDARY SOURCES, USED IN THE STUDY OF GLOBAL THIN WAFER MARKET

TABLE 55. LIST OF PRIMARY SOURCES, USED IN THE STUDY OF GLOBAL THIN WAFER MARKET

TABLE 56. YEARS CONSIDERED FOR THE STUDY

TABLE 57. EXCHANGE RATES CONSIDERED

List Of Figures

LIST OF FIGURES

- FIG 1. GLOBAL THIN WAFER MARKET, RESEARCH METHODOLOGY
- FIG 2. GLOBAL THIN WAFER MARKET, MARKET ESTIMATION TECHNIQUES
- FIG 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS
- FIG 4. GLOBAL THIN WAFER MARKET, KEY TRENDS 2019
- FIG 5. GLOBAL THIN WAFER MARKET, GROWTH PROSPECTS 2020-2027
- FIG 6. GLOBAL THIN WAFER MARKET, PORTERS 5 FORCE MODEL
- FIG 7. GLOBAL THIN WAFER MARKET, PEST ANALYSIS
- FIG 8. GLOBAL THIN WAFER MARKET, VALUE CHAIN ANALYSIS
- FIG 9. GLOBAL THIN WAFER MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 10. GLOBAL THIN WAFER MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 11. GLOBAL THIN WAFER MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 12. GLOBAL THIN WAFER MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 13. GLOBAL THIN WAFER MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 14. GLOBAL THIN WAFER MARKET, REGIONAL SNAPSHOT 2017 & 2027
- FIG 15. NORTH AMERICA THIN WAFER MARKET 2017 & 2027 (USD BILLION)
- FIG 16. EUROPE THIN WAFER MARKET 2017 & 2027 (USD BILLION)
- FIG 17. ASIA PACIFIC THIN WAFER MARKET 2017 & 2027 (USD BILLION)
- FIG 18. LATIN AMERICA THIN WAFER MARKET 2017 & 2027 (USD BILLION)
- FIG 19. GLOBAL THIN WAFER MARKET, COMPANY MARKET SHARE ANALYSIS (2019)

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