

Global 3D Semiconductor Packaging Market Size study & Forecast, by Technology (3D Through silicon via, 3D Package on Package, 3D Fan Out Based, 3D Wire Bonded), by Material (Organic Substrate, Bonding Wire, Leadframe, Encapsulation Resin, Ceramic Package, Die Attach Material), by Industry vertical (Electronics, Industrial, Automotive & Transport, Healthcare, IT & Telecommunication, Aerospace & Defense), and Regional Analysis, 2022-2029

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Abstracts

Global 3D Semiconductor Packaging Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. In order to function as a single device, two or more layers of active electronic components must be stacked together and connected both vertically and horizontally. This is known as 3D semiconductor packaging. Major driving factor for the Global 3D Semiconductor packaging market is rising investment in semiconductor. Along with this, rising demand for consumer electronic products is also driving the growth of the market over the forecasted periods.

According to Statista, in 2014, the big funding for semiconductors in China was USD 21 billion and this number increased to USD 35 billion in year 2019. Along with this, in 2019, the import value of semiconductors was USD 47.4 billion and this number is projected to increase up to USD 60.92 billion in 2025. Similarly, the export value of semiconductors in 2019 was USD 95.16 billion and this number is projected to increase



up to USD 145.87 billion in 2025. However, shortage of raw materials in the market is restraining the market growth for the market over the forecasted period. Moreover, the need for 3D packaging is increasing as a result of the quick acceptance and development of AI and machine intelligence is creating lucrative growth opportunities for the market over the forecasted period.

The key regions considered for the Global 3D Semiconductor Packaging Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the space in terms of revenue, owing to the presence of key market players and rising production of semiconductors in the region. For instance, according to Statista, the sales of semiconductors are increasing which is driving the demand for 3D semiconductor packaging market. In May 2019, the sales were USD 5.92 which increased up to USD 8.96 in May 2021. Asia Pacific is expected to grow significantly during the forecast period. Factors such as increasing demand for consumer electronics, product launches by the key market players in the region, rising automotive industry and increase in the value of import and export of ICs are driving the growth of the 3D semiconductor packaging market over the forecasted period.

Major market players included in this report are: Amkor Technology ASE group Siliconware Precision Industries Co., Ltd. Jiangsu Changjiang Electronics Technology Co. Ltd. S?SS MicroTec AG. International Business Machines Corporation (IBM) Intel Corporation Qualcomm Technologies, Inc. STMicroelectronics Taiwan Semiconductor Manufacturing Company

Recent Developments in the Market:

In July 2022, Samsung Electronics established a task group for semiconductor packaging (TF). The team, which reports directly to the CEO, is meant to improve packaging industry collaboration with major foundry clients.

In May 2022, ISC launched a rubber socket that is majorly used for 3D semiconductor chip packaging.

Global 3D Semiconductor Packaging Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021



Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Technology, Material, Industry vertical, Region Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Technology offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology: 3D Through silicon via 3D Package on Package 3D Fan Out Based 3D Wire Bonded

By Material: Organic Substrate Bonding Wire Leadframe Encapsulation Resin Ceramic Package Die Attach Material

By Industry vertical: Electronics Industrial Automotive & Transport Healthcare IT & Telecommunication



Aerospace & Defense

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



Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
- 1.2.1. 3D Semiconductor Packaging Market, by Region, 2019-2029 (USD Billion)
- 1.2.2. 3D Semiconductor Packaging Market, by Technology, 2019-2029 (USD Billion)
- 1.2.3. 3D Semiconductor Packaging Market, by Material, 2019-2029 (USD Billion)

1.2.4. 3D Semiconductor Packaging Market, by Industry Vertical, 2019-2029 (USD Billion)

- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL 3D SEMICONDUCTOR PACKAGING 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 3D SEMICONDUCTOR PACKAGING MARKET DYNAMICS

- 3.1. 3D Semiconductor Packaging Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising demand for consumer electronics
 - 3.1.1.2. Rising investment in semiconductor
 - 3.1.2. Market Challenges
 - 3.1.2.1. Shortage of raw materials in the market
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Advancements in 3D semiconductor packaging

CHAPTER 4. GLOBAL 3D SEMICONDUCTOR PACKAGING MARKET INDUSTRY ANALYSIS

Global 3D Semiconductor Packaging Market Size study & Forecast, by Technology (3D Through silicon via, 3D Pack.



- 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
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
- 4.3.1. Political
- 4.3.2. Economical
- 4.3.3. Social
- 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL 3D SEMICONDUCTOR PACKAGING MARKET, BY TECHNOLOGY

6.1. Market Snapshot

6.2. Global 3D Semiconductor Packaging Market by Technology, Performance -

Potential Analysis

6.3. Global 3D Semiconductor Packaging Market Estimates & Forecasts by Technology, 2019-2029 (USD Billion)

- 6.4. 3D Semiconductor Packaging Market, Sub Segment Analysis
- 6.4.1. 3D Through silicon via
- 6.4.2. 3D Package on Package
- 6.4.3. 3D Fan Out Based
- 6.4.4. 3D Wire Bonded

CHAPTER 7. GLOBAL 3D SEMICONDUCTOR PACKAGING MARKET, BY MATERIAL

Global 3D Semiconductor Packaging Market Size study & Forecast, by Technology (3D Through silicon via, 3D Pack...



7.1. Market Snapshot

7.2. Global 3D Semiconductor Packaging Market by Material, Performance - Potential Analysis

7.3. Global 3D Semiconductor Packaging Market Estimates & Forecasts by Material, 2019-2029 (USD Billion)

7.4. 3D Semiconductor Packaging Market, Sub Segment Analysis

- 7.4.1. Organic Substrate
- 7.4.2. Bonding Wire
- 7.4.3. Leadframe
- 7.4.4. Encapsulation Resin
- 7.4.5. Ceramic Package
- 7.4.6. Die Attach Material

CHAPTER 8. GLOBAL 3D SEMICONDUCTOR PACKAGING MARKET, BY INDUSTRY VERTICAL

- 8.1. Market Snapshot
- 8.2. Global 3D Semiconductor Packaging Market by Industry vertical, Performance Potential Analysis

8.3. Global 3D Semiconductor Packaging Market Estimates & Forecasts by Industry vertical, 2019-2029 (USD Billion)

- 8.4. 3D Semiconductor Packaging Market, Sub Segment Analysis
 - 8.4.1. Electronics
 - 8.4.2. Industrial
 - 8.4.3. Automotive & Transport
 - 8.4.4. Healthcare
 - 8.4.5. IT & Telecommunication
 - 8.4.6. Aerospace & Defense

CHAPTER 9. GLOBAL 3D SEMICONDUCTOR PACKAGING MARKET, REGIONAL ANALYSIS

- 9.1. 3D Semiconductor Packaging Market, Regional Market Snapshot
- 9.2. North America 3D Semiconductor Packaging Market
 - 9.2.1. U.S. 3D Semiconductor Packaging Market
 - 9.2.1.1. Technology breakdown estimates & forecasts, 2019-2029
 - 9.2.1.2. Material breakdown estimates & forecasts, 2019-2029
 - 9.2.1.3. Industry vertical breakdown estimates & forecasts, 2019-2029
 - 9.2.2. Canada 3D Semiconductor Packaging Market



- 9.3. Europe 3D Semiconductor Packaging Market Snapshot
 - 9.3.1. U.K. 3D Semiconductor Packaging Market
- 9.3.2. Germany 3D Semiconductor Packaging Market
- 9.3.3. France 3D Semiconductor Packaging Market
- 9.3.4. Spain 3D Semiconductor Packaging Market
- 9.3.5. Italy 3D Semiconductor Packaging Market
- 9.3.6. Rest of Europe 3D Semiconductor Packaging Market
- 9.4. Asia-Pacific 3D Semiconductor Packaging Market Snapshot
- 9.4.1. China 3D Semiconductor Packaging Market
- 9.4.2. India 3D Semiconductor Packaging Market
- 9.4.3. Japan 3D Semiconductor Packaging Market
- 9.4.4. Australia 3D Semiconductor Packaging Market
- 9.4.5. South Korea 3D Semiconductor Packaging Market
- 9.4.6. Rest of Asia Pacific 3D Semiconductor Packaging Market
- 9.5. Latin America 3D Semiconductor Packaging Market Snapshot
 - 9.5.1. Brazil 3D Semiconductor Packaging Market
 - 9.5.2. Mexico 3D Semiconductor Packaging Market
- 9.6. Rest of The World 3D Semiconductor Packaging Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. Amkor Technology
 - 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. ASE group
 - 10.2.3. Siliconware Precision Industries Co., Ltd.
 - 10.2.4. Jiangsu Changjiang Electronics Technology Co. Ltd.
 - 10.2.5. S?SS MicroTec AG.
 - 10.2.6. International Business Machines Corporation (IBM)
 - 10.2.7. Intel Corporation
 - 10.2.8. Qualcomm Technologies, Inc.
 - 10.2.9. STMicroelectronics
 - 10.2.10. Taiwan Semiconductor Manufacturing Company.



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 3D Semiconductor Packaging Market, report scope TABLE 2. Global 3D Semiconductor Packaging Market estimates & forecasts by Region 2019-2029 (USD Billion) TABLE 3. Global 3D Semiconductor Packaging Market estimates & forecasts by Technology 2019-2029 (USD Billion) TABLE 4. Global 3D Semiconductor Packaging Market estimates & forecasts by Material 2019-2029 (USD Billion) TABLE 5. Global 3D Semiconductor Packaging Market estimates & forecasts by Industry vertical 2019-2029 (USD Billion) TABLE 6. Global 3D Semiconductor Packaging Market by segment, estimates & forecasts, 2019-2029 (USD Billion) TABLE 7. Global 3D Semiconductor Packaging Market by region, estimates & forecasts, 2019-2029 (USD Billion) TABLE 8. Global 3D Semiconductor Packaging Market by segment, estimates & forecasts, 2019-2029 (USD Billion) TABLE 9. Global 3D Semiconductor Packaging Market by region, estimates & forecasts, 2019-2029 (USD Billion) TABLE 10. Global 3D Semiconductor Packaging Market by segment, estimates & forecasts, 2019-2029 (USD Billion) TABLE 11. Global 3D Semiconductor Packaging Market by region, estimates & forecasts, 2019-2029 (USD Billion) TABLE 12. Global 3D Semiconductor Packaging Market by segment, estimates & forecasts, 2019-2029 (USD Billion) TABLE 13. Global 3D Semiconductor Packaging Market by region, estimates & forecasts, 2019-2029 (USD Billion) TABLE 14. Global 3D Semiconductor Packaging Market by segment, estimates & forecasts, 2019-2029 (USD Billion) TABLE 15. Global 3D Semiconductor Packaging Market by region, estimates & forecasts, 2019-2029 (USD Billion) TABLE 16. U.S. 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion) TABLE 17. U.S. 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion) TABLE 18. U.S. 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)



TABLE 19. Canada 3D Semiconductor Packaging Market estimates & forecasts,2019-2029 (USD Billion)

TABLE 20. Canada 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. Canada 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 23. UK 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. UK 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 26. Germany 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. Germany 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 29. France 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. France 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 32. Italy 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Italy 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 35. Spain 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. Spain 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE 3D Semiconductor Packaging Market estimates & forecasts,2019-2029 (USD Billion)

 TABLE 38. RoE 3D Semiconductor Packaging Market estimates & forecasts by



segment 2019-2029 (USD Billion)

TABLE 39. RoE 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 40. China 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 41. China 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. China 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. India 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 44. India 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. India 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. Japan 3D Semiconductor Packaging Market estimates & forecasts,2019-2029 (USD Billion)

TABLE 47. Japan 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. Japan 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. South Korea 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 50. South Korea 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. South Korea 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. Australia 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 53. Australia 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. Australia 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. RoAPAC 3D Semiconductor Packaging Market estimates & forecasts,2019-2029 (USD Billion)

TABLE 56. RoAPAC 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. RoAPAC 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)



TABLE 58. Brazil 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 59. Brazil 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Brazil 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 62. Mexico 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. Mexico 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA 3D Semiconductor Packaging Market estimates & forecasts,2019-2029 (USD Billion)

TABLE 65. RoLA 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. RoLA 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row 3D Semiconductor Packaging Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 68. Row 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. Row 3D Semiconductor Packaging Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global 3D Semiconductor Packaging Market

TABLE 71. List of primary sources, used in the study of global 3D Semiconductor Packaging Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable



List Of Figures

LIST OF FIGURES

FIG 1. Global 3D Semiconductor Packaging Market, research methodology FIG 2. Global 3D Semiconductor Packaging Market, Market estimation techniques FIG 3. Global Market size estimates & forecast methods FIG 4. Global 3D Semiconductor Packaging Market, key trends 2021 FIG 5. Global 3D Semiconductor Packaging Market, growth prospects 2022-2029 FIG 6. Global 3D Semiconductor Packaging Market, porters 5 force model FIG 7. Global 3D Semiconductor Packaging Market, pest analysis FIG 8. Global 3D Semiconductor Packaging Market, value chain analysis FIG 9. Global 3D Semiconductor Packaging Market by segment, 2019 & 2029 (USD Billion) FIG 10. Global 3D Semiconductor Packaging Market by segment, 2019 & 2029 (USD Billion) FIG 11. Global 3D Semiconductor Packaging Market by segment, 2019 & 2029 (USD Billion) FIG 12. Global 3D Semiconductor Packaging Market by segment, 2019 & 2029 (USD Billion) FIG 13. Global 3D Semiconductor Packaging Market by segment, 2019 & 2029 (USD Billion) FIG 14. Global 3D Semiconductor Packaging Market, regional snapshot 2019 & 2029 FIG 15. North America 3D Semiconductor Packaging Market 2019 & 2029 (USD Billion) FIG 16. Europe 3D Semiconductor Packaging Market 2019 & 2029 (USD Billion) FIG 17. Asia Pacific 3D Semiconductor Packaging Market 2019 & 2029 (USD Billion) FIG 18. Latin America 3D Semiconductor Packaging Market 2019 & 2029 (USD Billion) FIG 19. Global 3D Semiconductor Packaging Market, company Market share analysis (2021)List of tables and figures and dummy in nature, final lists may vary in the final

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