

# Global Die Attach Materials Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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## Abstracts

### Summary

Typical die-attach materials are PbSn, PbSnAg or PbInAg alloys. These alloys wet conventional substrates and die metallizations due to the formation of intermetallic compounds, which build an adhesion layer between substrate or die metallization and bulk solder. To achieve the best wetting and lowest void rate, the solder material should contain the lowest possible oxide content. The die-attach layer has two main functions: mechanical fixation of the die on its substrate, and dissipation of heat generated in the die. Especially in power and high-power applications, generated heat density is high. Therefore, conventional die-attach adhesives or eutectic solder alloys are not suitable as die-attach materials. For these applications, high-melting solder alloys are used, which contain more than 85% lead by weight, and do not satisfy the requirements of RoHS. Since there is no established lead-free substitute on the market, high-lead alloys are included on the exemption list of RoHS for these applications. However, die-attach materials that satisfy the requirements of RoHS do exist.

Tip: It should be noted that the solder paste and tin wire used in the PCB of the electronics industry are not included in the statistical scope of the report because this part of the product is mainly used for the soldering of electronic components rather than the soldering of chips. According to QYR's investigation, with the increase of SMT equipment, die-attach wires used for die-attach materials are becoming less and less, and die-attach wires are mainly used in the electronics manufacturing industry instead of chip bonding.

According to APO Research, The global Die Attach Materials market is projected to

grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Die Attach Materials is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Die Attach Materials is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Die Attach Materials is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Die Attach Materials is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Die Attach Materials include Alpha Assembly Solutions, SMIC, Henkel, Shenmao Technology, Heraeus, Shenzhen Weite New Material, Sumitomo Bakelite, Indium and AIM, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Die Attach Materials production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Die Attach Materials by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Die Attach Materials, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Die Attach Materials, also provides the consumption of main regions and countries. Of the upcoming market potential for Die

Attach Materials, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Die Attach Materials sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Die Attach Materials market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Die Attach Materials sales, projected growth trends, production technology, application and end-user industry.

#### Die Attach Materials segment by Company

Alpha Assembly Solutions

SMIC

Henkel

Shenmao Technology

Heraeu

Shenzhen Weite New Material

Sumitomo Bakelite

Indium

AIM

Tamura

Kyocera

TONGFANG TECH

NAMICS

Hitachi Chemical

Nordson EFD

Asahi Solder

Dow

Shanghai Jinji

Inkron

Palomar Technologies

#### Die Attach Materials segment by Type

Die Attach Paste

Die Attach Wire

Others

#### Die Attach Materials segment by Application

SMT Assembly

Semiconductor Packaging

Automotive

Medical

Others

## Die Attach Materials segment by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

## Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product

launches, and acquisitions in the market.

### Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Die Attach Materials market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Die Attach Materials and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Die Attach Materials.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

### Chapter Outline

Chapter 1: Provides an overview of the Die Attach Materials market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global

Die Attach Materials industry.

Chapter 3: Detailed analysis of Die Attach Materials market competition landscape. Including Die Attach Materials manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Die Attach Materials by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Die Attach Materials in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.



## Contents

### **1 MARKET OVERVIEW**

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
  - 1.2.1 Global Die Attach Materials Production Value Estimates and Forecasts (2019-2030)
  - 1.2.2 Global Die Attach Materials Production Capacity Estimates and Forecasts (2019-2030)
  - 1.2.3 Global Die Attach Materials Production Estimates and Forecasts (2019-2030)
  - 1.2.4 Global Die Attach Materials Market Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

### **2 GLOBAL DIE ATTACH MATERIALS MARKET DYNAMICS**

- 2.1 Die Attach Materials Industry Trends
- 2.2 Die Attach Materials Industry Drivers
- 2.3 Die Attach Materials Industry Opportunities and Challenges
- 2.4 Die Attach Materials Industry Restraints

### **3 DIE ATTACH MATERIALS MARKET BY MANUFACTURERS**

- 3.1 Global Die Attach Materials Production Value by Manufacturers (2019-2024)
- 3.2 Global Die Attach Materials Production by Manufacturers (2019-2024)
- 3.3 Global Die Attach Materials Average Price by Manufacturers (2019-2024)
- 3.4 Global Die Attach Materials Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Die Attach Materials Key Manufacturers Manufacturing Sites & Headquarters
- 3.6 Global Die Attach Materials Manufacturers, Product Type & Application
- 3.7 Global Die Attach Materials Manufacturers Commercialization Time
- 3.8 Market Competitive Analysis
  - 3.8.1 Global Die Attach Materials Market CR5 and HHI
  - 3.8.2 Global Top 5 and 10 Die Attach Materials Players Market Share by Production Value in 2023
  - 3.8.3 2023 Die Attach Materials Tier 1, Tier 2, and Tier

### **4 DIE ATTACH MATERIALS MARKET BY TYPE**

#### 4.1 Die Attach Materials Type Introduction

4.1.1 Die Attach Paste

4.1.2 Die Attach Wire

4.1.3 Others

#### 4.2 Global Die Attach Materials Production by Type

4.2.1 Global Die Attach Materials Production by Type (2019 VS 2023 VS 2030)

4.2.2 Global Die Attach Materials Production by Type (2019-2030)

4.2.3 Global Die Attach Materials Production Market Share by Type (2019-2030)

#### 4.3 Global Die Attach Materials Production Value by Type

4.3.1 Global Die Attach Materials Production Value by Type (2019 VS 2023 VS 2030)

4.3.2 Global Die Attach Materials Production Value by Type (2019-2030)

4.3.3 Global Die Attach Materials Production Value Market Share by Type (2019-2030)

### **5 DIE ATTACH MATERIALS MARKET BY APPLICATION**

#### 5.1 Die Attach Materials Application Introduction

5.1.1 SMT Assembly

5.1.2 Semiconductor Packaging

5.1.3 Automotive

5.1.4 Medical

5.1.5 Others

#### 5.2 Global Die Attach Materials Production by Application

5.2.1 Global Die Attach Materials Production by Application (2019 VS 2023 VS 2030)

5.2.2 Global Die Attach Materials Production by Application (2019-2030)

5.2.3 Global Die Attach Materials Production Market Share by Application (2019-2030)

#### 5.3 Global Die Attach Materials Production Value by Application

5.3.1 Global Die Attach Materials Production Value by Application (2019 VS 2023 VS 2030)

5.3.2 Global Die Attach Materials Production Value by Application (2019-2030)

5.3.3 Global Die Attach Materials Production Value Market Share by Application (2019-2030)

### **6 COMPANY PROFILES**

#### 6.1 Alpha Assembly Solutions

6.1.1 Alpha Assembly Solutions Company Information

6.1.2 Alpha Assembly Solutions Business Overview

6.1.3 Alpha Assembly Solutions Die Attach Materials Production, Value and Gross

## Margin (2019-2024)

6.1.4 Alpha Assembly Solutions Die Attach Materials Product Portfolio

6.1.5 Alpha Assembly Solutions Recent Developments

## 6.2 SMIC

6.2.1 SMIC Company Information

6.2.2 SMIC Business Overview

6.2.3 SMIC Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.2.4 SMIC Die Attach Materials Product Portfolio

6.2.5 SMIC Recent Developments

## 6.3 Henkel

6.3.1 Henkel Company Information

6.3.2 Henkel Business Overview

6.3.3 Henkel Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.3.4 Henkel Die Attach Materials Product Portfolio

6.3.5 Henkel Recent Developments

## 6.4 Shenmao Technology

6.4.1 Shenmao Technology Company Information

6.4.2 Shenmao Technology Business Overview

6.4.3 Shenmao Technology Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.4.4 Shenmao Technology Die Attach Materials Product Portfolio

6.4.5 Shenmao Technology Recent Developments

## 6.5 Heraeus

6.5.1 Heraeus Company Information

6.5.2 Heraeus Business Overview

6.5.3 Heraeus Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.5.4 Heraeus Die Attach Materials Product Portfolio

6.5.5 Heraeus Recent Developments

## 6.6 Shenzhen Weite New Material

6.6.1 Shenzhen Weite New Material Company Information

6.6.2 Shenzhen Weite New Material Business Overview

6.6.3 Shenzhen Weite New Material Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.6.4 Shenzhen Weite New Material Die Attach Materials Product Portfolio

6.6.5 Shenzhen Weite New Material Recent Developments

## 6.7 Sumitomo Bakelite

6.7.1 Sumitomo Bakelite Company Information

6.7.2 Sumitomo Bakelite Business Overview

6.7.3 Sumitomo Bakelite Die Attach Materials Production, Value and Gross Margin

(2019-2024)

6.7.4 Sumitomo Bakelite Die Attach Materials Product Portfolio

6.7.5 Sumitomo Bakelite Recent Developments

6.8 Indium

6.8.1 Indium Comapny Information

6.8.2 Indium Business Overview

6.8.3 Indium Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.8.4 Indium Die Attach Materials Product Portfolio

6.8.5 Indium Recent Developments

6.9 AIM

6.9.1 AIM Comapny Information

6.9.2 AIM Business Overview

6.9.3 AIM Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.9.4 AIM Die Attach Materials Product Portfolio

6.9.5 AIM Recent Developments

6.10 Tamura

6.10.1 Tamura Comapny Information

6.10.2 Tamura Business Overview

6.10.3 Tamura Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.10.4 Tamura Die Attach Materials Product Portfolio

6.10.5 Tamura Recent Developments

6.11 Kyocera

6.11.1 Kyocera Comapny Information

6.11.2 Kyocera Business Overview

6.11.3 Kyocera Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.11.4 Kyocera Die Attach Materials Product Portfolio

6.11.5 Kyocera Recent Developments

6.12 TONGFANG TECH

6.12.1 TONGFANG TECH Comapny Information

6.12.2 TONGFANG TECH Business Overview

6.12.3 TONGFANG TECH Die Attach Materials Production, Value and Gross Margin

(2019-2024)

6.12.4 TONGFANG TECH Die Attach Materials Product Portfolio

6.12.5 TONGFANG TECH Recent Developments

6.13 NAMICS

6.13.1 NAMICS Comapny Information

6.13.2 NAMICS Business Overview

6.13.3 NAMICS Die Attach Materials Production, Value and Gross Margin (2019-2024)

6.13.4 NAMICS Die Attach Materials Product Portfolio

- 6.13.5 NAMICS Recent Developments
- 6.14 Hitachi Chemical
  - 6.14.1 Hitachi Chemical Company Information
  - 6.14.2 Hitachi Chemical Business Overview
  - 6.14.3 Hitachi Chemical Die Attach Materials Production, Value and Gross Margin (2019-2024)
  - 6.14.4 Hitachi Chemical Die Attach Materials Product Portfolio
  - 6.14.5 Hitachi Chemical Recent Developments
- 6.15 Nordson EFD
  - 6.15.1 Nordson EFD Company Information
  - 6.15.2 Nordson EFD Business Overview
  - 6.15.3 Nordson EFD Die Attach Materials Production, Value and Gross Margin (2019-2024)
  - 6.15.4 Nordson EFD Die Attach Materials Product Portfolio
  - 6.15.5 Nordson EFD Recent Developments
- 6.16 Asahi Solder
  - 6.16.1 Asahi Solder Company Information
  - 6.16.2 Asahi Solder Business Overview
  - 6.16.3 Asahi Solder Die Attach Materials Production, Value and Gross Margin (2019-2024)
  - 6.16.4 Asahi Solder Die Attach Materials Product Portfolio
  - 6.16.5 Asahi Solder Recent Developments
- 6.17 Dow
  - 6.17.1 Dow Company Information
  - 6.17.2 Dow Business Overview
  - 6.17.3 Dow Die Attach Materials Production, Value and Gross Margin (2019-2024)
  - 6.17.4 Dow Die Attach Materials Product Portfolio
  - 6.17.5 Dow Recent Developments
- 6.18 Shanghai Jinji
  - 6.18.1 Shanghai Jinji Company Information
  - 6.18.2 Shanghai Jinji Business Overview
  - 6.18.3 Shanghai Jinji Die Attach Materials Production, Value and Gross Margin (2019-2024)
  - 6.18.4 Shanghai Jinji Die Attach Materials Product Portfolio
  - 6.18.5 Shanghai Jinji Recent Developments
- 6.19 Inkron
  - 6.19.1 Inkron Company Information
  - 6.19.2 Inkron Business Overview
  - 6.19.3 Inkron Die Attach Materials Production, Value and Gross Margin (2019-2024)

- 6.19.4 Inkron Die Attach Materials Product Portfolio
- 6.19.5 Inkron Recent Developments
- 6.20 Palomar Technologies
  - 6.20.1 Palomar Technologies Company Information
  - 6.20.2 Palomar Technologies Business Overview
  - 6.20.3 Palomar Technologies Die Attach Materials Production, Value and Gross Margin (2019-2024)
  - 6.20.4 Palomar Technologies Die Attach Materials Product Portfolio
  - 6.20.5 Palomar Technologies Recent Developments

## **7 GLOBAL DIE ATTACH MATERIALS PRODUCTION BY REGION**

- 7.1 Global Die Attach Materials Production by Region: 2019 VS 2023 VS 2030
- 7.2 Global Die Attach Materials Production by Region (2019-2030)
  - 7.2.1 Global Die Attach Materials Production by Region: 2019-2024
  - 7.2.2 Global Die Attach Materials Production by Region (2025-2030)
- 7.3 Global Die Attach Materials Production by Region: 2019 VS 2023 VS 2030
- 7.4 Global Die Attach Materials Production Value by Region (2019-2030)
  - 7.4.1 Global Die Attach Materials Production Value by Region: 2019-2024
  - 7.4.2 Global Die Attach Materials Production Value by Region (2025-2030)
- 7.5 Global Die Attach Materials Market Price Analysis by Region (2019-2024)
- 7.6 Regional Production Value Trends (2019-2030)
  - 7.6.1 North America Die Attach Materials Production Value (2019-2030)
  - 7.6.2 Europe Die Attach Materials Production Value (2019-2030)
  - 7.6.3 Asia-Pacific Die Attach Materials Production Value (2019-2030)
  - 7.6.4 Latin America Die Attach Materials Production Value (2019-2030)
  - 7.6.5 Middle East & Africa Die Attach Materials Production Value (2019-2030)

## **8 GLOBAL DIE ATTACH MATERIALS CONSUMPTION BY REGION**

- 8.1 Global Die Attach Materials Consumption by Region: 2019 VS 2023 VS 2030
- 8.2 Global Die Attach Materials Consumption by Region (2019-2030)
  - 8.2.1 Global Die Attach Materials Consumption by Region (2019-2024)
  - 8.2.2 Global Die Attach Materials Consumption by Region (2025-2030)
- 8.3 North America
  - 8.3.1 North America Die Attach Materials Consumption Growth Rate by Country: 2019 VS 2023 VS 2030
  - 8.3.2 North America Die Attach Materials Consumption by Country (2019-2030)
  - 8.3.3 U.S.

#### 8.3.4 Canada

### 8.4 Europe

8.4.1 Europe Die Attach Materials Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.4.2 Europe Die Attach Materials Consumption by Country (2019-2030)

8.4.3 Germany

8.4.4 France

8.4.5 U.K.

8.4.6 Italy

8.4.7 Netherlands

### 8.5 Asia Pacific

8.5.1 Asia Pacific Die Attach Materials Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.5.2 Asia Pacific Die Attach Materials Consumption by Country (2019-2030)

8.5.3 China

8.5.4 Japan

8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

### 8.6 LAMEA

8.6.1 LAMEA Die Attach Materials Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.6.2 LAMEA Die Attach Materials Consumption by Country (2019-2030)

8.6.3 Mexico

8.6.4 Brazil

8.6.5 Turkey

8.6.6 GCC Countries

## **9 VALUE CHAIN AND SALES CHANNELS ANALYSIS**

### 9.1 Die Attach Materials Value Chain Analysis

9.1.1 Die Attach Materials Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Die Attach Materials Production Mode & Process

### 9.2 Die Attach Materials Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Die Attach Materials Distributors

### 9.2.3 Die Attach Materials Customers

## **10 CONCLUDING INSIGHTS**

## **11 APPENDIX**

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer



## List Of Tables

### LIST OF TABLES

- Table 1. Die Attach Materials Industry Trends
- Table 2. Die Attach Materials Industry Drivers
- Table 3. Die Attach Materials Industry Opportunities and Challenges
- Table 4. Die Attach Materials Industry Restraints
- Table 5. Global Die Attach Materials Production Value by Manufacturers (US\$ Million) & (2019-2024)
- Table 6. Global Die Attach Materials Production Value Market Share by Manufacturers (2019-2024)
- Table 7. Global Die Attach Materials Production by Manufacturers (MT) & (2019-2024)
- Table 8. Global Die Attach Materials Production Market Share by Manufacturers
- Table 9. Global Die Attach Materials Average Price (US\$/MT) of Manufacturers (2019-2024)
- Table 10. Global Die Attach Materials Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- Table 11. Global Die Attach Materials Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- Table 12. Global Die Attach Materials Key Manufacturers Manufacturing Sites & Headquarters
- Table 13. Global Die Attach Materials Manufacturers, Product Type & Application
- Table 14. Global Die Attach Materials Manufacturers Commercialization Time
- Table 15. Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 16. Global Die Attach Materials by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)
- Table 17. Major Manufacturers of Die Attach Paste
- Table 18. Major Manufacturers of Die Attach Wire
- Table 19. Major Manufacturers of Others
- Table 20. Global Die Attach Materials Production by type 2019 VS 2023 VS 2030 (MT)
- Table 21. Global Die Attach Materials Production by type (2019-2024) & (MT)
- Table 22. Global Die Attach Materials Production by type (2025-2030) & (MT)
- Table 23. Global Die Attach Materials Production Market Share by type (2019-2024)
- Table 24. Global Die Attach Materials Production Market Share by type (2025-2030)
- Table 25. Global Die Attach Materials Production Value by type 2019 VS 2023 VS 2030 (MT)
- Table 26. Global Die Attach Materials Production Value by type (2019-2024) & (MT)
- Table 27. Global Die Attach Materials Production Value by type (2025-2030) & (MT)

Table 28. Global Die Attach Materials Production Value Market Share by type (2019-2024)

Table 29. Global Die Attach Materials Production Value Market Share by type (2025-2030)

Table 30. Major Manufacturers of SMT Assembly

Table 31. Major Manufacturers of Semiconductor Packaging

Table 32. Major Manufacturers of Automotive

Table 33. Major Manufacturers of Medical

Table 34. Major Manufacturers of Others

Table 35. Global Die Attach Materials Production by application 2019 VS 2023 VS 2030 (MT)

Table 36. Global Die Attach Materials Production by application (2019-2024) & (MT)

Table 37. Global Die Attach Materials Production by application (2025-2030) & (MT)

Table 38. Global Die Attach Materials Production Market Share by application (2019-2024)

Table 39. Global Die Attach Materials Production Market Share by application (2025-2030)

Table 40. Global Die Attach Materials Production Value by application 2019 VS 2023 VS 2030 (MT)

Table 41. Global Die Attach Materials Production Value by application (2019-2024) & (MT)

Table 42. Global Die Attach Materials Production Value by application (2025-2030) & (MT)

Table 43. Global Die Attach Materials Production Value Market Share by application (2019-2024)

Table 44. Global Die Attach Materials Production Value Market Share by application (2025-2030)

Table 45. Alpha Assembly Solutions Company Information

Table 46. Alpha Assembly Solutions Business Overview

Table 47. Alpha Assembly Solutions Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 48. Alpha Assembly Solutions Die Attach Materials Product Portfolio

Table 49. Alpha Assembly Solutions Recent Development

Table 50. SMIC Company Information

Table 51. SMIC Business Overview

Table 52. SMIC Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 53. SMIC Die Attach Materials Product Portfolio

Table 54. SMIC Recent Development

Table 55. Henkel Company Information

Table 56. Henkel Business Overview

Table 57. Henkel Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 58. Henkel Die Attach Materials Product Portfolio

Table 59. Henkel Recent Development

Table 60. Shenmao Technology Company Information

Table 61. Shenmao Technology Business Overview

Table 62. Shenmao Technology Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 63. Shenmao Technology Die Attach Materials Product Portfolio

Table 64. Shenmao Technology Recent Development

Table 65. Heraeu Company Information

Table 66. Heraeu Business Overview

Table 67. Heraeu Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 68. Heraeu Die Attach Materials Product Portfolio

Table 69. Heraeu Recent Development

Table 70. Shenzhen Weite New Material Company Information

Table 71. Shenzhen Weite New Material Business Overview

Table 72. Shenzhen Weite New Material Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 73. Shenzhen Weite New Material Die Attach Materials Product Portfolio

Table 74. Shenzhen Weite New Material Recent Development

Table 75. Sumitomo Bakelite Company Information

Table 76. Sumitomo Bakelite Business Overview

Table 77. Sumitomo Bakelite Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 78. Sumitomo Bakelite Die Attach Materials Product Portfolio

Table 79. Sumitomo Bakelite Recent Development

Table 80. Indium Company Information

Table 81. Indium Business Overview

Table 82. Indium Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 83. Indium Die Attach Materials Product Portfolio

Table 84. Indium Recent Development

Table 85. AIM Company Information

Table 86. AIM Business Overview

Table 87. AIM Die Attach Materials Production (MT), Value (US\$ Million), Price

(US\$/MT) and Gross Margin (2019-2024)

Table 88. AIM Die Attach Materials Product Portfolio

Table 89. AIM Recent Development

Table 90. Tamura Company Information

Table 91. Tamura Business Overview

Table 92. Tamura Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 93. Tamura Die Attach Materials Product Portfolio

Table 94. Tamura Recent Development

Table 95. Kyocera Company Information

Table 96. Kyocera Business Overview

Table 97. Kyocera Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 98. Kyocera Die Attach Materials Product Portfolio

Table 99. Kyocera Recent Development

Table 100. TONGFANG TECH Company Information

Table 101. TONGFANG TECH Business Overview

Table 102. TONGFANG TECH Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 103. TONGFANG TECH Die Attach Materials Product Portfolio

Table 104. TONGFANG TECH Recent Development

Table 105. NAMICS Company Information

Table 106. NAMICS Business Overview

Table 107. NAMICS Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 108. NAMICS Die Attach Materials Product Portfolio

Table 109. NAMICS Recent Development

Table 110. Hitachi Chemical Company Information

Table 111. Hitachi Chemical Business Overview

Table 112. Hitachi Chemical Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 113. Hitachi Chemical Die Attach Materials Product Portfolio

Table 114. Hitachi Chemical Recent Development

Table 115. Nordson EFD Company Information

Table 116. Nordson EFD Business Overview

Table 117. Nordson EFD Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)

Table 118. Nordson EFD Die Attach Materials Product Portfolio

Table 119. Nordson EFD Recent Development

- Table 120. Asahi Solder Company Information
- Table 121. Asahi Solder Business Overview
- Table 122. Asahi Solder Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)
- Table 123. Asahi Solder Die Attach Materials Product Portfolio
- Table 124. Asahi Solder Recent Development
- Table 125. Dow Company Information
- Table 126. Dow Business Overview
- Table 127. Dow Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)
- Table 128. Dow Die Attach Materials Product Portfolio
- Table 129. Dow Recent Development
- Table 130. Shanghai Jinji Company Information
- Table 131. Shanghai Jinji Business Overview
- Table 132. Shanghai Jinji Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)
- Table 133. Shanghai Jinji Die Attach Materials Product Portfolio
- Table 134. Shanghai Jinji Recent Development
- Table 135. Inkron Company Information
- Table 136. Inkron Business Overview
- Table 137. Inkron Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)
- Table 138. Inkron Die Attach Materials Product Portfolio
- Table 139. Inkron Recent Development
- Table 140. Palomar Technologies Company Information
- Table 141. Palomar Technologies Business Overview
- Table 142. Palomar Technologies Die Attach Materials Production (MT), Value (US\$ Million), Price (US\$/MT) and Gross Margin (2019-2024)
- Table 143. Palomar Technologies Die Attach Materials Product Portfolio
- Table 144. Palomar Technologies Recent Development
- Table 145. Global Die Attach Materials Production by Region: 2019 VS 2023 VS 2030 (MT)
- Table 146. Global Die Attach Materials Production by Region (2019-2024) & (MT)
- Table 147. Global Die Attach Materials Production Market Share by Region (2019-2024)
- Table 148. Global Die Attach Materials Production Forecast by Region (2025-2030) & (MT)
- Table 149. Global Die Attach Materials Production Market Share Forecast by Region (2025-2030)
- Table 150. Global Die Attach Materials Production Value Comparison by Region: 2019

VS 2023 VS 2030 (US\$ Million)

Table 151. Global Die Attach Materials Production Value by Region (2019-2024) & (US\$ Million)

Table 152. Global Die Attach Materials Production Value Forecast by Region (2025-2030) & (US\$ Million)

Table 153. Global Die Attach Materials Production Value Share Forecast by Region: (2025-2030) & (US\$ Million)

Table 154. Global Die Attach Materials Market Average Price (US\$/MT) by Region (2019-2024)

Table 155. Global Die Attach Materials Market Average Price (US\$/MT) by Region (2025-2030)

Table 156. Global Die Attach Materials Consumption by Region: 2019 VS 2023 VS 2030 (MT)

Table 157. Global Die Attach Materials Consumption by Region (2019-2024) & (MT)

Table 158. Global Die Attach Materials Consumption Market Share by Region (2019-2024)

Table 159. Global Die Attach Materials Consumption Forecasted by Region (2025-2030) & (MT)

Table 160. Global Die Attach Materials Consumption Forecasted Market Share by Region (2025-2030)

Table 161. North America Die Attach Materials Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MT)

Table 162. North America Die Attach Materials Consumption by Country (2019-2024) & (MT)

Table 163. North America Die Attach Materials Consumption by Country (2025-2030) & (MT)

Table 164. Europe Die Attach Materials Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MT)

Table 165. Europe Die Attach Materials Consumption by Country (2019-2024) & (MT)

Table 166. Europe Die Attach Materials Consumption by Country (2025-2030) & (MT)

Table 167. Asia Pacific Die Attach Materials Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MT)

Table 168. Asia Pacific Die Attach Materials Consumption by Country (2019-2024) & (MT)

Table 169. Asia Pacific Die Attach Materials Consumption by Country (2025-2030) & (MT)

Table 170. LAMEA Die Attach Materials Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MT)

Table 171. LAMEA Die Attach Materials Consumption by Country (2019-2024) & (MT)

Table 172. LAMEA Die Attach Materials Consumption by Country (2025-2030) & (MT)

Table 173. Key Raw Materials

Table 174. Raw Materials Key Suppliers

Table 175. Die Attach Materials Distributors List

Table 176. Die Attach Materials Customers List

Table 177. Research Programs/Design for This Report

Table 178. Authors List of This Report

Table 179. Secondary Sources

Table 180. Primary Sources

## List Of Figures

### LIST OF FIGURES

- Figure 1. Die Attach Materials Product Picture
- Figure 2. Global Die Attach Materials Production Value (US\$ Million), 2019 VS 2023 VS 2030
- Figure 3. Global Die Attach Materials Production Value (2019-2030) & (US\$ Million)
- Figure 4. Global Die Attach Materials Production Capacity (2019-2030) & (MT)
- Figure 5. Global Die Attach Materials Production (2019-2030) & (MT)
- Figure 6. Global Die Attach Materials Average Price (US\$/MT) & (2019-2030)
- Figure 7. Global Top 5 and 10 Die Attach Materials Players Market Share by Production Value in 2023
- Figure 8. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023
- Figure 9. Die Attach Paste Picture
- Figure 10. Die Attach Wire Picture
- Figure 11. Others Picture
- Figure 12. Global Die Attach Materials Production by Type (2019 VS 2023 VS 2030) & (MT)
- Figure 13. Global Die Attach Materials Production Market Share 2019 VS 2023 VS 2030
- Figure 14. Global Die Attach Materials Production Market Share by Type (2019-2030)
- Figure 15. Global Die Attach Materials Production Value by Type (2019 VS 2023 VS 2030) & (MT)
- Figure 16. Global Die Attach Materials Production Value Share 2019 VS 2023 VS 2030
- Figure 17. Global Die Attach Materials Production Value Share by Type (2019-2030)
- Figure 18. SMT Assembly Picture
- Figure 19. Semiconductor Packaging Picture
- Figure 20. Automotive Picture
- Figure 21. Medical Picture
- Figure 22. Others Picture
- Figure 23. Global Die Attach Materials Production by Application (2019 VS 2023 VS 2030) & (MT)
- Figure 24. Global Die Attach Materials Production Market Share 2019 VS 2023 VS 2030
- Figure 25. Global Die Attach Materials Production Market Share by Application (2019-2030)
- Figure 26. Global Die Attach Materials Production Value by Application (2019 VS 2023 VS 2030) & (MT)
- Figure 27. Global Die Attach Materials Production Value Share 2019 VS 2023 VS 2030
- Figure 28. Global Die Attach Materials Production Value Share by Application



(2019-2030)

Figure 29. Global Die Attach Materials Production by Region: 2019 VS 2023 VS 2030 (MT)

Figure 30. Global Die Attach Materials Production Market Share by Region: 2019 VS 2023 VS 2030

Figure 31. Global Die Attach Materials Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Figure 32. Global Die Attach Materials Production Value Share by Region: 2019 VS 2023 VS 2030

Figure 33. North America Die Attach Materials Production Value (2019-2030) & (US\$ Million)

Figure 34. Europe Die Attach Materials Production Value (2019-2030) & (US\$ Million)

Figure 35. Asia-Pacific Die Attach Materials Production Value (2019-2030) & (US\$ Million)

Figure 36. Latin America Die Attach Materials Production Value (2019-2030) & (US\$ Million)

Figure 37. Middle East & Africa Die Attach Materials Production Value (2019-2030) & (US\$ Million)

Figure 38. North America Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 39. North America Die Attach Materials Consumption Market Share by Country (2019-2030)

Figure 40. U.S. Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 41. Canada Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 42. Europe Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 43. Europe Die Attach Materials Consumption Market Share by Country (2019-2030)

Figure 44. Germany Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 45. France Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 46. U.K. Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 47. Italy Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 48. Netherlands Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 49. Asia Pacific Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 50. Asia Pacific Die Attach Materials Consumption Market Share by Country (2019-2030)

Figure 51. China Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 52. Japan Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 53. South Korea Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 54. Southeast Asia Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 55. India Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 56. Australia Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 57. LAMEA Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 58. LAMEA Die Attach Materials Consumption Market Share by Country (2019-2030)

Figure 59. Mexico Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 60. Brazil Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 61. Turkey Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 62. GCC Countries Die Attach Materials Consumption and Growth Rate (2019-2030) & (MT)

Figure 63. Die Attach Materials Value Chain

Figure 64. Manufacturing Cost Structure

Figure 65. Die Attach Materials Production Mode & Process

Figure 66. Direct Comparison with Distribution Share

Figure 67. Distributors Profiles

Figure 68. Years Considered

Figure 69. Research Process

Figure 70. Key Executives Interviewed

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