

# Global CSP Packaging Solder Ball Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global CSP Packaging Solder Ball market size was valued at USD 85 million in 2023 and is forecast to a readjusted size of USD 131.4 million by 2030 with a CAGR of 6.4% during review period.

CSP, or Chip Scale Package, is a type of integrated circuit (IC) packaging that is designed to be roughly the same size as the semiconductor die it houses. The term 'Chip Scale' implies that the package is not significantly larger than the integrated circuit itself. Solder balls play a critical role in CSP packaging as they are used for making electrical connections between the IC and the printed circuit board (PCB).

**Market Drivers: Miniaturization and Size Reduction:** The increasing demand for smaller and more compact electronic devices drives the adoption of CSP packaging, which offers a reduced package size compared to traditional packaging methods.

**High-Density Integration:** CSP allows for higher-density integration of electronic components on PCBs, facilitating the development of smaller and more powerful devices with enhanced functionality.

**Consumer Electronics Growth:** The growth in the consumer electronics market, including smartphones, wearables, and IoT devices, contributes to the increased adoption of CSP packaging and solder ball technologies.

**Market Restrictions: Technical Challenges in Manufacturing:** The manufacturing of CSP packages with fine pitches and a large number of solder balls presents technical challenges, including precise placement and soldering processes, which may limit

widespread adoption.

**Limited Standardization: Restriction:** The lack of standardized design and manufacturing processes for CSP packaging may lead to compatibility issues and challenges in integrating CSP devices into existing systems.

The Global Info Research report includes an overview of the development of the CSP Packaging Solder Ball industry chain, the market status of IDM (Up to 0.2 mm, 0.2-0.5 mm), OSAT (Up to 0.2 mm, 0.2-0.5 mm), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of CSP Packaging Solder Ball.

Regionally, the report analyzes the CSP Packaging Solder Ball markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global CSP Packaging Solder Ball market, with robust domestic demand, supportive policies, and a strong manufacturing base.

**Key Features:**

The report presents comprehensive understanding of the CSP Packaging Solder Ball market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the CSP Packaging Solder Ball industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Million Units), revenue generated, and market share of different by Diameter (e.g., Up to 0.2 mm, 0.2-0.5 mm).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the CSP Packaging Solder Ball market.

**Regional Analysis:** The report involves examining the CSP Packaging Solder Ball market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer

behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the CSP Packaging Solder Ball market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to CSP Packaging Solder Ball:

**Company Analysis:** Report covers individual CSP Packaging Solder Ball manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards CSP Packaging Solder Ball. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (IDM, OSAT).

**Technology Analysis:** Report covers specific technologies relevant to CSP Packaging Solder Ball. It assesses the current state, advancements, and potential future developments in CSP Packaging Solder Ball areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the CSP Packaging Solder Ball market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

CSP Packaging Solder Ball market is split by Diameter and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Diameter, and by Application in terms of volume and value.

## Market segment by Diameter

Up to 0.2 mm

0.2-0.5 mm

Above 0.5 mm

#### Market segment by Application

IDM

OSAT

#### Major players covered

Senju Metal

Accurus

DS HiMetal

NMC

MKE

PMTC

Indium Corporation

YCTC

Shenmao Technology

Shanghai hiking solder material

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe CSP Packaging Solder Ball product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CSP Packaging Solder Ball, with price, sales, revenue and global market share of CSP Packaging Solder Ball from 2019 to 2024.

Chapter 3, the CSP Packaging Solder Ball competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CSP Packaging Solder Ball breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Diameter and application, with sales market share and growth rate by diameter, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and CSP Packaging Solder Ball market forecast, by regions, diameter and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of CSP Packaging Solder Ball.

Chapter 14 and 15, to describe CSP Packaging Solder Ball sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope of CSP Packaging Solder Ball

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Diameter

1.3.1 Overview: Global CSP Packaging Solder Ball Consumption Value by Diameter: 2019 Versus 2023 Versus 2030

1.3.2 Up to 0.2 mm

1.3.3 0.2-0.5 mm

1.3.4 Above 0.5 mm

1.4 Market Analysis by Application

1.4.1 Overview: Global CSP Packaging Solder Ball Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 IDM

1.4.3 OSAT

1.5 Global CSP Packaging Solder Ball Market Size & Forecast

1.5.1 Global CSP Packaging Solder Ball Consumption Value (2019 & 2023 & 2030)

1.5.2 Global CSP Packaging Solder Ball Sales Quantity (2019-2030)

1.5.3 Global CSP Packaging Solder Ball Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

2.1 Senju Metal

2.1.1 Senju Metal Details

2.1.2 Senju Metal Major Business

2.1.3 Senju Metal CSP Packaging Solder Ball Product and Services

2.1.4 Senju Metal CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Senju Metal Recent Developments/Updates

2.2 Accurus

2.2.1 Accurus Details

2.2.2 Accurus Major Business

2.2.3 Accurus CSP Packaging Solder Ball Product and Services

2.2.4 Accurus CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Accurus Recent Developments/Updates

2.3 DS HiMetal

- 2.3.1 DS HiMetal Details
- 2.3.2 DS HiMetal Major Business
- 2.3.3 DS HiMetal CSP Packaging Solder Ball Product and Services
- 2.3.4 DS HiMetal CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.3.5 DS HiMetal Recent Developments/Updates
- 2.4 NMC
  - 2.4.1 NMC Details
  - 2.4.2 NMC Major Business
  - 2.4.3 NMC CSP Packaging Solder Ball Product and Services
  - 2.4.4 NMC CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.4.5 NMC Recent Developments/Updates
- 2.5 MKE
  - 2.5.1 MKE Details
  - 2.5.2 MKE Major Business
  - 2.5.3 MKE CSP Packaging Solder Ball Product and Services
  - 2.5.4 MKE CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.5.5 MKE Recent Developments/Updates
- 2.6 PMTC
  - 2.6.1 PMTC Details
  - 2.6.2 PMTC Major Business
  - 2.6.3 PMTC CSP Packaging Solder Ball Product and Services
  - 2.6.4 PMTC CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.6.5 PMTC Recent Developments/Updates
- 2.7 Indium Corporation
  - 2.7.1 Indium Corporation Details
  - 2.7.2 Indium Corporation Major Business
  - 2.7.3 Indium Corporation CSP Packaging Solder Ball Product and Services
  - 2.7.4 Indium Corporation CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.7.5 Indium Corporation Recent Developments/Updates
- 2.8 YCTC
  - 2.8.1 YCTC Details
  - 2.8.2 YCTC Major Business
  - 2.8.3 YCTC CSP Packaging Solder Ball Product and Services
  - 2.8.4 YCTC CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue,



## Gross Margin and Market Share (2019-2024)

### 2.8.5 YCTC Recent Developments/Updates

## 2.9 Shenmao Technology

### 2.9.1 Shenmao Technology Details

### 2.9.2 Shenmao Technology Major Business

### 2.9.3 Shenmao Technology CSP Packaging Solder Ball Product and Services

### 2.9.4 Shenmao Technology CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.9.5 Shenmao Technology Recent Developments/Updates

## 2.10 Shanghai hiking solder material

### 2.10.1 Shanghai hiking solder material Details

### 2.10.2 Shanghai hiking solder material Major Business

### 2.10.3 Shanghai hiking solder material CSP Packaging Solder Ball Product and Services

### 2.10.4 Shanghai hiking solder material CSP Packaging Solder Ball Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.10.5 Shanghai hiking solder material Recent Developments/Updates

## **3 COMPETITIVE ENVIRONMENT: CSP PACKAGING SOLDER BALL BY MANUFACTURER**

### 3.1 Global CSP Packaging Solder Ball Sales Quantity by Manufacturer (2019-2024)

### 3.2 Global CSP Packaging Solder Ball Revenue by Manufacturer (2019-2024)

### 3.3 Global CSP Packaging Solder Ball Average Price by Manufacturer (2019-2024)

### 3.4 Market Share Analysis (2023)

#### 3.4.1 Producer Shipments of CSP Packaging Solder Ball by Manufacturer Revenue (\$MM) and Market Share (%): 2023

#### 3.4.2 Top 3 CSP Packaging Solder Ball Manufacturer Market Share in 2023

#### 3.4.2 Top 6 CSP Packaging Solder Ball Manufacturer Market Share in 2023

### 3.5 CSP Packaging Solder Ball Market: Overall Company Footprint Analysis

#### 3.5.1 CSP Packaging Solder Ball Market: Region Footprint

#### 3.5.2 CSP Packaging Solder Ball Market: Company Product Type Footprint

#### 3.5.3 CSP Packaging Solder Ball Market: Company Product Application Footprint

### 3.6 New Market Entrants and Barriers to Market Entry

### 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

### 4.1 Global CSP Packaging Solder Ball Market Size by Region

- 4.1.1 Global CSP Packaging Solder Ball Sales Quantity by Region (2019-2030)
- 4.1.2 Global CSP Packaging Solder Ball Consumption Value by Region (2019-2030)
- 4.1.3 Global CSP Packaging Solder Ball Average Price by Region (2019-2030)
- 4.2 North America CSP Packaging Solder Ball Consumption Value (2019-2030)
- 4.3 Europe CSP Packaging Solder Ball Consumption Value (2019-2030)
- 4.4 Asia-Pacific CSP Packaging Solder Ball Consumption Value (2019-2030)
- 4.5 South America CSP Packaging Solder Ball Consumption Value (2019-2030)
- 4.6 Middle East and Africa CSP Packaging Solder Ball Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY DIAMETER**

- 5.1 Global CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2030)
- 5.2 Global CSP Packaging Solder Ball Consumption Value by Diameter (2019-2030)
- 5.3 Global CSP Packaging Solder Ball Average Price by Diameter (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global CSP Packaging Solder Ball Sales Quantity by Application (2019-2030)
- 6.2 Global CSP Packaging Solder Ball Consumption Value by Application (2019-2030)
- 6.3 Global CSP Packaging Solder Ball Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

- 7.1 North America CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2030)
- 7.2 North America CSP Packaging Solder Ball Sales Quantity by Application (2019-2030)
- 7.3 North America CSP Packaging Solder Ball Market Size by Country
  - 7.3.1 North America CSP Packaging Solder Ball Sales Quantity by Country (2019-2030)
  - 7.3.2 North America CSP Packaging Solder Ball Consumption Value by Country (2019-2030)
  - 7.3.3 United States Market Size and Forecast (2019-2030)
  - 7.3.4 Canada Market Size and Forecast (2019-2030)
  - 7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

- 8.1 Europe CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2030)
- 8.2 Europe CSP Packaging Solder Ball Sales Quantity by Application (2019-2030)

## 8.3 Europe CSP Packaging Solder Ball Market Size by Country

8.3.1 Europe CSP Packaging Solder Ball Sales Quantity by Country (2019-2030)

8.3.2 Europe CSP Packaging Solder Ball Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

## 9 ASIA-PACIFIC

9.1 Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2030)

9.2 Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific CSP Packaging Solder Ball Market Size by Region

9.3.1 Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific CSP Packaging Solder Ball Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

## 10 SOUTH AMERICA

10.1 South America CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2030)

10.2 South America CSP Packaging Solder Ball Sales Quantity by Application (2019-2030)

10.3 South America CSP Packaging Solder Ball Market Size by Country

10.3.1 South America CSP Packaging Solder Ball Sales Quantity by Country (2019-2030)

10.3.2 South America CSP Packaging Solder Ball Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

## 11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2030)

11.2 Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa CSP Packaging Solder Ball Market Size by Country

11.3.1 Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa CSP Packaging Solder Ball Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

12.1 CSP Packaging Solder Ball Market Drivers

12.2 CSP Packaging Solder Ball Market Restraints

12.3 CSP Packaging Solder Ball Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of CSP Packaging Solder Ball and Key Manufacturers

13.2 Manufacturing Costs Percentage of CSP Packaging Solder Ball

13.3 CSP Packaging Solder Ball Production Process

13.4 CSP Packaging Solder Ball Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 CSP Packaging Solder Ball Typical Distributors

14.3 CSP Packaging Solder Ball Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global CSP Packaging Solder Ball Consumption Value by Diameter, (USD Million), 2019 & 2023 & 2030

Table 2. Global CSP Packaging Solder Ball Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Senju Metal Basic Information, Manufacturing Base and Competitors

Table 4. Senju Metal Major Business

Table 5. Senju Metal CSP Packaging Solder Ball Product and Services

Table 6. Senju Metal CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Senju Metal Recent Developments/Updates

Table 8. Accurus Basic Information, Manufacturing Base and Competitors

Table 9. Accurus Major Business

Table 10. Accurus CSP Packaging Solder Ball Product and Services

Table 11. Accurus CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Accurus Recent Developments/Updates

Table 13. DS HiMetal Basic Information, Manufacturing Base and Competitors

Table 14. DS HiMetal Major Business

Table 15. DS HiMetal CSP Packaging Solder Ball Product and Services

Table 16. DS HiMetal CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. DS HiMetal Recent Developments/Updates

Table 18. NMC Basic Information, Manufacturing Base and Competitors

Table 19. NMC Major Business

Table 20. NMC CSP Packaging Solder Ball Product and Services

Table 21. NMC CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. NMC Recent Developments/Updates

Table 23. MKE Basic Information, Manufacturing Base and Competitors

Table 24. MKE Major Business

Table 25. MKE CSP Packaging Solder Ball Product and Services

Table 26. MKE CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. MKE Recent Developments/Updates

Table 28. PMTC Basic Information, Manufacturing Base and Competitors

Table 29. PMTC Major Business

Table 30. PMTC CSP Packaging Solder Ball Product and Services

Table 31. PMTC CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. PMTC Recent Developments/Updates

Table 33. Indium Corporation Basic Information, Manufacturing Base and Competitors

Table 34. Indium Corporation Major Business

Table 35. Indium Corporation CSP Packaging Solder Ball Product and Services

Table 36. Indium Corporation CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Indium Corporation Recent Developments/Updates

Table 38. YCTC Basic Information, Manufacturing Base and Competitors

Table 39. YCTC Major Business

Table 40. YCTC CSP Packaging Solder Ball Product and Services

Table 41. YCTC CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. YCTC Recent Developments/Updates

Table 43. Shenmao Technology Basic Information, Manufacturing Base and Competitors

Table 44. Shenmao Technology Major Business

Table 45. Shenmao Technology CSP Packaging Solder Ball Product and Services

Table 46. Shenmao Technology CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Shenmao Technology Recent Developments/Updates

Table 48. Shanghai hiking solder material Basic Information, Manufacturing Base and Competitors

Table 49. Shanghai hiking solder material Major Business

Table 50. Shanghai hiking solder material CSP Packaging Solder Ball Product and Services

Table 51. Shanghai hiking solder material CSP Packaging Solder Ball Sales Quantity (Million Units), Average Price (US\$/K Units), Revenue (USD Million), Gross Margin and

Market Share (2019-2024)

Table 52. Shanghai hiking solder material Recent Developments/Updates

Table 53. Global CSP Packaging Solder Ball Sales Quantity by Manufacturer (2019-2024) & (Million Units)

Table 54. Global CSP Packaging Solder Ball Revenue by Manufacturer (2019-2024) & (USD Million)

Table 55. Global CSP Packaging Solder Ball Average Price by Manufacturer (2019-2024) & (US\$/K Units)

Table 56. Market Position of Manufacturers in CSP Packaging Solder Ball, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 57. Head Office and CSP Packaging Solder Ball Production Site of Key Manufacturer

Table 58. CSP Packaging Solder Ball Market: Company Product Type Footprint

Table 59. CSP Packaging Solder Ball Market: Company Product Application Footprint

Table 60. CSP Packaging Solder Ball New Market Entrants and Barriers to Market Entry

Table 61. CSP Packaging Solder Ball Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global CSP Packaging Solder Ball Sales Quantity by Region (2019-2024) & (Million Units)

Table 63. Global CSP Packaging Solder Ball Sales Quantity by Region (2025-2030) & (Million Units)

Table 64. Global CSP Packaging Solder Ball Consumption Value by Region (2019-2024) & (USD Million)

Table 65. Global CSP Packaging Solder Ball Consumption Value by Region (2025-2030) & (USD Million)

Table 66. Global CSP Packaging Solder Ball Average Price by Region (2019-2024) & (US\$/K Units)

Table 67. Global CSP Packaging Solder Ball Average Price by Region (2025-2030) & (US\$/K Units)

Table 68. Global CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2024) & (Million Units)

Table 69. Global CSP Packaging Solder Ball Sales Quantity by Diameter (2025-2030) & (Million Units)

Table 70. Global CSP Packaging Solder Ball Consumption Value by Diameter (2019-2024) & (USD Million)

Table 71. Global CSP Packaging Solder Ball Consumption Value by Diameter (2025-2030) & (USD Million)

Table 72. Global CSP Packaging Solder Ball Average Price by Diameter (2019-2024) & (US\$/K Units)



Table 73. Global CSP Packaging Solder Ball Average Price by Diameter (2025-2030) & (US\$/K Units)

Table 74. Global CSP Packaging Solder Ball Sales Quantity by Application (2019-2024) & (Million Units)

Table 75. Global CSP Packaging Solder Ball Sales Quantity by Application (2025-2030) & (Million Units)

Table 76. Global CSP Packaging Solder Ball Consumption Value by Application (2019-2024) & (USD Million)

Table 77. Global CSP Packaging Solder Ball Consumption Value by Application (2025-2030) & (USD Million)

Table 78. Global CSP Packaging Solder Ball Average Price by Application (2019-2024) & (US\$/K Units)

Table 79. Global CSP Packaging Solder Ball Average Price by Application (2025-2030) & (US\$/K Units)

Table 80. North America CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2024) & (Million Units)

Table 81. North America CSP Packaging Solder Ball Sales Quantity by Diameter (2025-2030) & (Million Units)

Table 82. North America CSP Packaging Solder Ball Sales Quantity by Application (2019-2024) & (Million Units)

Table 83. North America CSP Packaging Solder Ball Sales Quantity by Application (2025-2030) & (Million Units)

Table 84. North America CSP Packaging Solder Ball Sales Quantity by Country (2019-2024) & (Million Units)

Table 85. North America CSP Packaging Solder Ball Sales Quantity by Country (2025-2030) & (Million Units)

Table 86. North America CSP Packaging Solder Ball Consumption Value by Country (2019-2024) & (USD Million)

Table 87. North America CSP Packaging Solder Ball Consumption Value by Country (2025-2030) & (USD Million)

Table 88. Europe CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2024) & (Million Units)

Table 89. Europe CSP Packaging Solder Ball Sales Quantity by Diameter (2025-2030) & (Million Units)

Table 90. Europe CSP Packaging Solder Ball Sales Quantity by Application (2019-2024) & (Million Units)

Table 91. Europe CSP Packaging Solder Ball Sales Quantity by Application (2025-2030) & (Million Units)

Table 92. Europe CSP Packaging Solder Ball Sales Quantity by Country (2019-2024) &

(Million Units)

Table 93. Europe CSP Packaging Solder Ball Sales Quantity by Country (2025-2030) & (Million Units)

Table 94. Europe CSP Packaging Solder Ball Consumption Value by Country (2019-2024) & (USD Million)

Table 95. Europe CSP Packaging Solder Ball Consumption Value by Country (2025-2030) & (USD Million)

Table 96. Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2024) & (Million Units)

Table 97. Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Diameter (2025-2030) & (Million Units)

Table 98. Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Application (2019-2024) & (Million Units)

Table 99. Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Application (2025-2030) & (Million Units)

Table 100. Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Region (2019-2024) & (Million Units)

Table 101. Asia-Pacific CSP Packaging Solder Ball Sales Quantity by Region (2025-2030) & (Million Units)

Table 102. Asia-Pacific CSP Packaging Solder Ball Consumption Value by Region (2019-2024) & (USD Million)

Table 103. Asia-Pacific CSP Packaging Solder Ball Consumption Value by Region (2025-2030) & (USD Million)

Table 104. South America CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2024) & (Million Units)

Table 105. South America CSP Packaging Solder Ball Sales Quantity by Diameter (2025-2030) & (Million Units)

Table 106. South America CSP Packaging Solder Ball Sales Quantity by Application (2019-2024) & (Million Units)

Table 107. South America CSP Packaging Solder Ball Sales Quantity by Application (2025-2030) & (Million Units)

Table 108. South America CSP Packaging Solder Ball Sales Quantity by Country (2019-2024) & (Million Units)

Table 109. South America CSP Packaging Solder Ball Sales Quantity by Country (2025-2030) & (Million Units)

Table 110. South America CSP Packaging Solder Ball Consumption Value by Country (2019-2024) & (USD Million)

Table 111. South America CSP Packaging Solder Ball Consumption Value by Country (2025-2030) & (USD Million)

Table 112. Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Diameter (2019-2024) & (Million Units)

Table 113. Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Diameter (2025-2030) & (Million Units)

Table 114. Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Application (2019-2024) & (Million Units)

Table 115. Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Application (2025-2030) & (Million Units)

Table 116. Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Region (2019-2024) & (Million Units)

Table 117. Middle East & Africa CSP Packaging Solder Ball Sales Quantity by Region (2025-2030) & (Million Units)

Table 118. Middle East & Africa CSP Packaging Solder Ball Consumption Value by Region (2019-2024) & (USD Million)

Table 119. Middle East & Africa CSP Packaging Solder Ball Consumption Value by Region (2025-2030) & (USD Million)

Table 120. CSP Packaging Solder Ball Raw Material

Table 121. Key Manufacturers of CSP Packaging Solder Ball Raw Materials

Table 122. CSP Packaging Solder Ball Typical Distributors

Table 123. CSP Packaging Solder Ball Typical Customers

## **LIST OF FIGURE**

s

Figure 1. CSP Packaging Solder Ball Picture

Figure 2. Global CSP Packaging Solder Ball Consumption Value by Diameter, (USD Million), 2019 & 2023 & 2030

Figure 3. Global CSP Packaging Solder Ball Consumption Value Market Share by Diameter in 2023

Figure 4. Up to 0.2 mm Examples

Figure 5. 0.2-0.5 mm Examples

Figure 6. Above 0.5 mm Examples

Figure 7. Global CSP Packaging Solder Ball Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 8. Global CSP Packaging Solder Ball Consumption Value Market Share by Application in 2023

Figure 9. IDM Examples

Figure 10. OSAT Examples

Figure 11. Global CSP Packaging Solder Ball Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 12. Global CSP Packaging Solder Ball Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 13. Global CSP Packaging Solder Ball Sales Quantity (2019-2030) & (Million Units)

Figure 14. Global CSP Packaging Solder Ball Average Price (2019-2030) & (US\$/K Units)

Figure 15. Global CSP Packaging Solder Ball Sales Quantity Market Share by Manufacturer in 2023

Figure 16. Global CSP Packaging Solder Ball Consumption Value Market Share by Manufacturer in 2023

Figure 17. Producer Shipments of CSP Packaging Solder Ball by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 18. Top 3 CSP Packaging Solder Ball Manufacturer (Consumption Value) Market Share in 2023

Figure 19. Top 6 CSP Packaging Solder Ball Manufacturer (Consumption Value) Market Share in 2023

Figure 20. Global CSP Packaging Solder Ball Sales Quantity Market Share by Region (2019-2030)

Figure 21. Global CSP Packaging Solder Ball Consumption Value Market Share by Region (2019-2030)

Figure 22. North America CSP Packaging Solder Ball Consumption Value (2019-2030) & (USD Million)

Figure 23. Europe CSP Packaging Solder Ball Consumption Value (2019-2030) & (USD Million)

Figure 24. Asia-Pacific CSP Packaging Solder Ball Consumption Value (2019-2030) & (USD Million)

Figure 25. South America CSP Packaging Solder Ball Consumption Value (2019-2030) & (USD Million)

Figure 26. Middle East & Africa CSP Packaging Solder Ball Consumption Value (2019-2030) & (USD Million)

Figure 27. Global CSP Packaging Solder Ball Sales Quantity Market Share by Diameter (2019-2030)

Figure 28. Global CSP Packaging Solder Ball Consumption Value Market Share by Diameter (2019-2030)

Figure 29. Global CSP Packaging Solder Ball Average Price by Diameter (2019-2030) & (US\$/K Units)

Figure 30. Global CSP Packaging Solder Ball Sales Quantity Market Share by Application (2019-2030)

Figure 31. Global CSP Packaging Solder Ball Consumption Value Market Share by

Application (2019-2030)

Figure 32. Global CSP Packaging Solder Ball Average Price by Application (2019-2030) & (US\$/K Units)

Figure 33. North America CSP Packaging Solder Ball Sales Quantity Market Share by Diameter (2019-2030)

Figure 34. North America CSP Packaging Solder Ball Sales Quantity Market Share by Application (2019-2030)

Figure 35. North America CSP Packaging Solder Ball Sales Quantity Market Share by Country (2019-2030)

Figure 36. North America CSP Packaging Solder Ball Consumption Value Market Share by Country (2019-2030)

Figure 37. United States CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 38. Canada CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Mexico CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Europe CSP Packaging Solder Ball Sales Quantity Market Share by Diameter (2019-2030)

Figure 41. Europe CSP Packaging Solder Ball Sales Quantity Market Share by Application (2019-2030)

Figure 42. Europe CSP Packaging Solder Ball Sales Quantity Market Share by Country (2019-2030)

Figure 43. Europe CSP Packaging Solder Ball Consumption Value Market Share by Country (2019-2030)

Figure 44. Germany CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. France CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. United Kingdom CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. Russia CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Italy CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Asia-Pacific CSP Packaging Solder Ball Sales Quantity Market Share by Diameter (2019-2030)

Figure 50. Asia-Pacific CSP Packaging Solder Ball Sales Quantity Market Share by Application (2019-2030)

Figure 51. Asia-Pacific CSP Packaging Solder Ball Sales Quantity Market Share by Region (2019-2030)

Figure 52. Asia-Pacific CSP Packaging Solder Ball Consumption Value Market Share by Region (2019-2030)

Figure 53. China CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Japan CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Korea CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. India CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Southeast Asia CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Australia CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. South America CSP Packaging Solder Ball Sales Quantity Market Share by Diameter (2019-2030)

Figure 60. South America CSP Packaging Solder Ball Sales Quantity Market Share by Application (2019-2030)

Figure 61. South America CSP Packaging Solder Ball Sales Quantity Market Share by Country (2019-2030)

Figure 62. South America CSP Packaging Solder Ball Consumption Value Market Share by Country (2019-2030)

Figure 63. Brazil CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. Argentina CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 65. Middle East & Africa CSP Packaging Solder Ball Sales Quantity Market Share by Diameter (2019-2030)

Figure 66. Middle East & Africa CSP Packaging Solder Ball Sales Quantity Market Share by Application (2019-2030)

Figure 67. Middle East & Africa CSP Packaging Solder Ball Sales Quantity Market Share by Region (2019-2030)

Figure 68. Middle East & Africa CSP Packaging Solder Ball Consumption Value Market Share by Region (2019-2030)

Figure 69. Turkey CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Egypt CSP Packaging Solder Ball Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 71. Saudi Arabia CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. South Africa CSP Packaging Solder Ball Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. CSP Packaging Solder Ball Market Drivers

Figure 74. CSP Packaging Solder Ball Market Restraints

Figure 75. CSP Packaging Solder Ball Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of CSP Packaging Solder Ball in 2023

Figure 78. Manufacturing Process Analysis of CSP Packaging Solder Ball

Figure 79. CSP Packaging Solder Ball Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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