

# Global ABF Substrate (FC-BGA) Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global ABF Substrate (FC-BGA) market size is expected to reach \$ 6980.7 million by 2029, rising at a market growth of 5.3% CAGR during the forecast period (2023-2029).

Global key players of ABF substrate (FC-BGA) include Unimicron, AT&S, Nan Ya PCB, Shinko Electric Industries, Ibiden, etc. The top five players hold a share about 69%. China Taiwan is the largest producer, has a share about 45%, followed by Japan and China, with share 25% and 15%, respectively. The largest market is Asia Pacific, with a share about 77%, followed by North America and Europe, with share 14% and 7%, separately.

Flip Chip Ball Grid Array is a mid-cost, high-performance, semiconductor packaging solution that utilizes the controlled collapse chip connection technology, also known as flip chip, for its die to substrate interconnection. FC BGA provides the design flexibility for much higher signal density and functionality into a smaller die and packaging footprint. FC BGA packaging is attractive where performance is more important than cost. Flip-chip BGA packages can be mounted using standard printed circuit boards and can be replaced using existing standard repair practices. This report studies the FC BGA substrate, also called ABF (Ajinomoto Build-up Film) substrates, which are IC Substrates made of Ajinomoto Build-up Film. The ABF (Ajinomoto Build-up Film) substrate consists of multiple layers of microcircuits, known as a “build-up substrate” which allows the formation of these miniature components as its surface is receptive to laser processing and direct copper plating. Most modern chipmakers use ABF to design the smaller components of their CPUs and GPUs.

This report studies the global ABF Substrate (FC-BGA) production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for ABF Substrate (FC-BGA), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of ABF Substrate (FC-BGA) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global ABF Substrate (FC-BGA) total production and demand, 2018-2029, (K Square Meters)

Global ABF Substrate (FC-BGA) total production value, 2018-2029, (USD Million)

Global ABF Substrate (FC-BGA) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Square Meters)

Global ABF Substrate (FC-BGA) consumption by region & country, CAGR, 2018-2029 & (K Square Meters)

U.S. VS China: ABF Substrate (FC-BGA) domestic production, consumption, key domestic manufacturers and share

Global ABF Substrate (FC-BGA) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Square Meters)

Global ABF Substrate (FC-BGA) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Square Meters)

Global ABF Substrate (FC-BGA) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Square Meters)

This reports profiles key players in the global ABF Substrate (FC-BGA) market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Unimicron, Ibiden, Nan Ya PCB, Shinko Electric Industries, Kinsus Interconnect, AT&S, Semco, Kyocera and TOPPAN, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World ABF Substrate (FC-BGA) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Square Meters) and average price (USD/Square Meter) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global ABF Substrate (FC-BGA) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global ABF Substrate (FC-BGA) Market, Segmentation by Type

4-8 Layers ABF Substrate

8-16 Layers ABF Substrate

Others

## Global ABF Substrate (FC-BGA) Market, Segmentation by Application

PCs

Server & Data Center

HPC/AI Chips

Communication

Others

## Companies Profiled:

Unimicron

Ibiden

Nan Ya PCB

Shinko Electric Industries

Kinsus Interconnect

AT&S

Semco

Kyocera

TOPPAN

Zhen Ding Technology

Daeduck Electronics

ASE Material

ACCESS

NCAP China

LG InnoTek

Shennan Circuit

Shenzhen Fastprint Circuit Tech

### Key Questions Answered

1. How big is the global ABF Substrate (FC-BGA) market?
2. What is the demand of the global ABF Substrate (FC-BGA) market?
3. What is the year over year growth of the global ABF Substrate (FC-BGA) market?
4. What is the production and production value of the global ABF Substrate (FC-BGA) market?
5. Who are the key producers in the global ABF Substrate (FC-BGA) market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 ABF Substrate (FC-BGA) Introduction
- 1.2 World ABF Substrate (FC-BGA) Supply & Forecast
  - 1.2.1 World ABF Substrate (FC-BGA) Production Value (2018 & 2022 & 2029)
  - 1.2.2 World ABF Substrate (FC-BGA) Production (2018-2029)
  - 1.2.3 World ABF Substrate (FC-BGA) Pricing Trends (2018-2029)
- 1.3 World ABF Substrate (FC-BGA) Production by Region (Based on Production Site)
  - 1.3.1 World ABF Substrate (FC-BGA) Production Value by Region (2018-2029)
  - 1.3.2 World ABF Substrate (FC-BGA) Production by Region (2018-2029)
  - 1.3.3 World ABF Substrate (FC-BGA) Average Price by Region (2018-2029)
  - 1.3.4 China ABF Substrate (FC-BGA) Production (2018-2029)
  - 1.3.5 Japan ABF Substrate (FC-BGA) Production (2018-2029)
  - 1.3.6 South Korea ABF Substrate (FC-BGA) Production (2018-2029)
  - 1.3.7 China Taiwan ABF Substrate (FC-BGA) Production (2018-2029)
  - 1.3.8 Southeast Asia ABF Substrate (FC-BGA) Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 ABF Substrate (FC-BGA) Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 ABF Substrate (FC-BGA) Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

- 2.1 World ABF Substrate (FC-BGA) Demand (2018-2029)
- 2.2 World ABF Substrate (FC-BGA) Consumption by Region
  - 2.2.1 World ABF Substrate (FC-BGA) Consumption by Region (2018-2023)
  - 2.2.2 World ABF Substrate (FC-BGA) Consumption Forecast by Region (2024-2029)
- 2.3 United States ABF Substrate (FC-BGA) Consumption (2018-2029)
- 2.4 China ABF Substrate (FC-BGA) Consumption (2018-2029)
- 2.5 Europe ABF Substrate (FC-BGA) Consumption (2018-2029)
- 2.6 Japan ABF Substrate (FC-BGA) Consumption (2018-2029)
- 2.7 South Korea ABF Substrate (FC-BGA) Consumption (2018-2029)
- 2.8 ASEAN ABF Substrate (FC-BGA) Consumption (2018-2029)
- 2.9 India ABF Substrate (FC-BGA) Consumption (2018-2029)

### **3 WORLD ABF SUBSTRATE (FC-BGA) MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World ABF Substrate (FC-BGA) Production Value by Manufacturer (2018-2023)
- 3.2 World ABF Substrate (FC-BGA) Production by Manufacturer (2018-2023)
- 3.3 World ABF Substrate (FC-BGA) Average Price by Manufacturer (2018-2023)
- 3.4 ABF Substrate (FC-BGA) Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global ABF Substrate (FC-BGA) Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for ABF Substrate (FC-BGA) in 2022
  - 3.5.3 Global Concentration Ratios (CR8) for ABF Substrate (FC-BGA) in 2022
- 3.6 ABF Substrate (FC-BGA) Market: Overall Company Footprint Analysis
  - 3.6.1 ABF Substrate (FC-BGA) Market: Region Footprint
  - 3.6.2 ABF Substrate (FC-BGA) Market: Company Product Type Footprint
  - 3.6.3 ABF Substrate (FC-BGA) Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: ABF Substrate (FC-BGA) Production Value Comparison
  - 4.1.1 United States VS China: ABF Substrate (FC-BGA) Production Value Comparison (2018 & 2022 & 2029)
  - 4.1.2 United States VS China: ABF Substrate (FC-BGA) Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: ABF Substrate (FC-BGA) Production Comparison
  - 4.2.1 United States VS China: ABF Substrate (FC-BGA) Production Comparison (2018 & 2022 & 2029)
  - 4.2.2 United States VS China: ABF Substrate (FC-BGA) Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: ABF Substrate (FC-BGA) Consumption Comparison
  - 4.3.1 United States VS China: ABF Substrate (FC-BGA) Consumption Comparison (2018 & 2022 & 2029)
  - 4.3.2 United States VS China: ABF Substrate (FC-BGA) Consumption Market Share



## Comparison (2018 & 2022 & 2029)

### 4.4 United States Based ABF Substrate (FC-BGA) Manufacturers and Market Share, 2018-2023

4.4.1 United States Based ABF Substrate (FC-BGA) Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers ABF Substrate (FC-BGA) Production Value (2018-2023)

4.4.3 United States Based Manufacturers ABF Substrate (FC-BGA) Production (2018-2023)

### 4.5 China Based ABF Substrate (FC-BGA) Manufacturers and Market Share

4.5.1 China Based ABF Substrate (FC-BGA) Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers ABF Substrate (FC-BGA) Production Value (2018-2023)

4.5.3 China Based Manufacturers ABF Substrate (FC-BGA) Production (2018-2023)

### 4.6 Rest of World Based ABF Substrate (FC-BGA) Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based ABF Substrate (FC-BGA) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers ABF Substrate (FC-BGA) Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers ABF Substrate (FC-BGA) Production (2018-2023)

## 5 MARKET ANALYSIS BY TYPE

### 5.1 World ABF Substrate (FC-BGA) Market Size Overview by Type: 2018 VS 2022 VS 2029

#### 5.2 Segment Introduction by Type

5.2.1 4-8 Layers ABF Substrate

5.2.2 8-16 Layers ABF Substrate

5.2.3 Others

#### 5.3 Market Segment by Type

5.3.1 World ABF Substrate (FC-BGA) Production by Type (2018-2029)

5.3.2 World ABF Substrate (FC-BGA) Production Value by Type (2018-2029)

5.3.3 World ABF Substrate (FC-BGA) Average Price by Type (2018-2029)

## 6 MARKET ANALYSIS BY APPLICATION



## 6.1 World ABF Substrate (FC-BGA) Market Size Overview by Application: 2018 VS 2022 VS 2029

### 6.2 Segment Introduction by Application

#### 6.2.1 PCs

#### 6.2.2 Server & Data Center

#### 6.2.3 HPC/AI Chips

#### 6.2.4 Communication

#### 6.2.5 Others

### 6.3 Market Segment by Application

#### 6.3.1 World ABF Substrate (FC-BGA) Production by Application (2018-2029)

#### 6.3.2 World ABF Substrate (FC-BGA) Production Value by Application (2018-2029)

#### 6.3.3 World ABF Substrate (FC-BGA) Average Price by Application (2018-2029)

## 7 COMPANY PROFILES

### 7.1 Unimicron

#### 7.1.1 Unimicron Details

#### 7.1.2 Unimicron Major Business

#### 7.1.3 Unimicron ABF Substrate (FC-BGA) Product and Services

#### 7.1.4 Unimicron ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.1.5 Unimicron Recent Developments/Updates

#### 7.1.6 Unimicron Competitive Strengths & Weaknesses

### 7.2 Ibiden

#### 7.2.1 Ibiden Details

#### 7.2.2 Ibiden Major Business

#### 7.2.3 Ibiden ABF Substrate (FC-BGA) Product and Services

#### 7.2.4 Ibiden ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.2.5 Ibiden Recent Developments/Updates

#### 7.2.6 Ibiden Competitive Strengths & Weaknesses

### 7.3 Nan Ya PCB

#### 7.3.1 Nan Ya PCB Details

#### 7.3.2 Nan Ya PCB Major Business

#### 7.3.3 Nan Ya PCB ABF Substrate (FC-BGA) Product and Services

#### 7.3.4 Nan Ya PCB ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.3.5 Nan Ya PCB Recent Developments/Updates

#### 7.3.6 Nan Ya PCB Competitive Strengths & Weaknesses

## 7.4 Shinko Electric Industries

7.4.1 Shinko Electric Industries Details

7.4.2 Shinko Electric Industries Major Business

7.4.3 Shinko Electric Industries ABF Substrate (FC-BGA) Product and Services

7.4.4 Shinko Electric Industries ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 Shinko Electric Industries Recent Developments/Updates

7.4.6 Shinko Electric Industries Competitive Strengths & Weaknesses

## 7.5 Kinsus Interconnect

7.5.1 Kinsus Interconnect Details

7.5.2 Kinsus Interconnect Major Business

7.5.3 Kinsus Interconnect ABF Substrate (FC-BGA) Product and Services

7.5.4 Kinsus Interconnect ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Kinsus Interconnect Recent Developments/Updates

7.5.6 Kinsus Interconnect Competitive Strengths & Weaknesses

## 7.6 AT&S

7.6.1 AT&S Details

7.6.2 AT&S Major Business

7.6.3 AT&S ABF Substrate (FC-BGA) Product and Services

7.6.4 AT&S ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 AT&S Recent Developments/Updates

7.6.6 AT&S Competitive Strengths & Weaknesses

## 7.7 Semco

7.7.1 Semco Details

7.7.2 Semco Major Business

7.7.3 Semco ABF Substrate (FC-BGA) Product and Services

7.7.4 Semco ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.7.5 Semco Recent Developments/Updates

7.7.6 Semco Competitive Strengths & Weaknesses

## 7.8 Kyocera

7.8.1 Kyocera Details

7.8.2 Kyocera Major Business

7.8.3 Kyocera ABF Substrate (FC-BGA) Product and Services

7.8.4 Kyocera ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 Kyocera Recent Developments/Updates

- 7.8.6 Kyocera Competitive Strengths & Weaknesses
- 7.9 TOPPAN
  - 7.9.1 TOPPAN Details
  - 7.9.2 TOPPAN Major Business
  - 7.9.3 TOPPAN ABF Substrate (FC-BGA) Product and Services
  - 7.9.4 TOPPAN ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.9.5 TOPPAN Recent Developments/Updates
  - 7.9.6 TOPPAN Competitive Strengths & Weaknesses
- 7.10 Zhen Ding Technology
  - 7.10.1 Zhen Ding Technology Details
  - 7.10.2 Zhen Ding Technology Major Business
  - 7.10.3 Zhen Ding Technology ABF Substrate (FC-BGA) Product and Services
  - 7.10.4 Zhen Ding Technology ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 Zhen Ding Technology Recent Developments/Updates
  - 7.10.6 Zhen Ding Technology Competitive Strengths & Weaknesses
- 7.11 Daeduck Electronics
  - 7.11.1 Daeduck Electronics Details
  - 7.11.2 Daeduck Electronics Major Business
  - 7.11.3 Daeduck Electronics ABF Substrate (FC-BGA) Product and Services
  - 7.11.4 Daeduck Electronics ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.11.5 Daeduck Electronics Recent Developments/Updates
  - 7.11.6 Daeduck Electronics Competitive Strengths & Weaknesses
- 7.12 ASE Material
  - 7.12.1 ASE Material Details
  - 7.12.2 ASE Material Major Business
  - 7.12.3 ASE Material ABF Substrate (FC-BGA) Product and Services
  - 7.12.4 ASE Material ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 ASE Material Recent Developments/Updates
  - 7.12.6 ASE Material Competitive Strengths & Weaknesses
- 7.13 ACCESS
  - 7.13.1 ACCESS Details
  - 7.13.2 ACCESS Major Business
  - 7.13.3 ACCESS ABF Substrate (FC-BGA) Product and Services
  - 7.13.4 ACCESS ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.13.5 ACCESS Recent Developments/Updates
- 7.13.6 ACCESS Competitive Strengths & Weaknesses
- 7.14 NCAP China
  - 7.14.1 NCAP China Details
  - 7.14.2 NCAP China Major Business
  - 7.14.3 NCAP China ABF Substrate (FC-BGA) Product and Services
  - 7.14.4 NCAP China ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.14.5 NCAP China Recent Developments/Updates
  - 7.14.6 NCAP China Competitive Strengths & Weaknesses
- 7.15 LG InnoTek
  - 7.15.1 LG InnoTek Details
  - 7.15.2 LG InnoTek Major Business
  - 7.15.3 LG InnoTek ABF Substrate (FC-BGA) Product and Services
  - 7.15.4 LG InnoTek ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.15.5 LG InnoTek Recent Developments/Updates
  - 7.15.6 LG InnoTek Competitive Strengths & Weaknesses
- 7.16 Shennan Circuit
  - 7.16.1 Shennan Circuit Details
  - 7.16.2 Shennan Circuit Major Business
  - 7.16.3 Shennan Circuit ABF Substrate (FC-BGA) Product and Services
  - 7.16.4 Shennan Circuit ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.16.5 Shennan Circuit Recent Developments/Updates
  - 7.16.6 Shennan Circuit Competitive Strengths & Weaknesses
- 7.17 Shenzhen Fastprint Circuit Tech
  - 7.17.1 Shenzhen Fastprint Circuit Tech Details
  - 7.17.2 Shenzhen Fastprint Circuit Tech Major Business
  - 7.17.3 Shenzhen Fastprint Circuit Tech ABF Substrate (FC-BGA) Product and Services
  - 7.17.4 Shenzhen Fastprint Circuit Tech ABF Substrate (FC-BGA) Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.17.5 Shenzhen Fastprint Circuit Tech Recent Developments/Updates
  - 7.17.6 Shenzhen Fastprint Circuit Tech Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

### **8.1 ABF Substrate (FC-BGA) Industry Chain**

## 8.2 ABF Substrate (FC-BGA) Upstream Analysis

### 8.2.1 ABF Substrate (FC-BGA) Core Raw Materials

### 8.2.2 Main Manufacturers of ABF Substrate (FC-BGA) Core Raw Materials

## 8.3 Midstream Analysis

## 8.4 Downstream Analysis

## 8.5 ABF Substrate (FC-BGA) Production Mode

## 8.6 ABF Substrate (FC-BGA) Procurement Model

## 8.7 ABF Substrate (FC-BGA) Industry Sales Model and Sales Channels

### 8.7.1 ABF Substrate (FC-BGA) Sales Model

### 8.7.2 ABF Substrate (FC-BGA) Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

### 10.1 Methodology

### 10.2 Research Process and Data Source

### 10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

- Table 1. World ABF Substrate (FC-BGA) Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World ABF Substrate (FC-BGA) Production Value by Region (2018-2023) & (USD Million)
- Table 3. World ABF Substrate (FC-BGA) Production Value by Region (2024-2029) & (USD Million)
- Table 4. World ABF Substrate (FC-BGA) Production Value Market Share by Region (2018-2023)
- Table 5. World ABF Substrate (FC-BGA) Production Value Market Share by Region (2024-2029)
- Table 6. World ABF Substrate (FC-BGA) Production by Region (2018-2023) & (K Square Meters)
- Table 7. World ABF Substrate (FC-BGA) Production by Region (2024-2029) & (K Square Meters)
- Table 8. World ABF Substrate (FC-BGA) Production Market Share by Region (2018-2023)
- Table 9. World ABF Substrate (FC-BGA) Production Market Share by Region (2024-2029)
- Table 10. World ABF Substrate (FC-BGA) Average Price by Region (2018-2023) & (USD/Square Meter)
- Table 11. World ABF Substrate (FC-BGA) Average Price by Region (2024-2029) & (USD/Square Meter)
- Table 12. ABF Substrate (FC-BGA) Major Market Trends
- Table 13. World ABF Substrate (FC-BGA) Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Square Meters)
- Table 14. World ABF Substrate (FC-BGA) Consumption by Region (2018-2023) & (K Square Meters)
- Table 15. World ABF Substrate (FC-BGA) Consumption Forecast by Region (2024-2029) & (K Square Meters)
- Table 16. World ABF Substrate (FC-BGA) Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key ABF Substrate (FC-BGA) Producers in 2022
- Table 18. World ABF Substrate (FC-BGA) Production by Manufacturer (2018-2023) & (K Square Meters)



- Table 19. Production Market Share of Key ABF Substrate (FC-BGA) Producers in 2022
- Table 20. World ABF Substrate (FC-BGA) Average Price by Manufacturer (2018-2023) & (USD/Square Meter)
- Table 21. Global ABF Substrate (FC-BGA) Company Evaluation Quadrant
- Table 22. World ABF Substrate (FC-BGA) Industry Rank of Major Manufacturers, Based on Production Value in 2022
- Table 23. Head Office and ABF Substrate (FC-BGA) Production Site of Key Manufacturer
- Table 24. ABF Substrate (FC-BGA) Market: Company Product Type Footprint
- Table 25. ABF Substrate (FC-BGA) Market: Company Product Application Footprint
- Table 26. ABF Substrate (FC-BGA) Competitive Factors
- Table 27. ABF Substrate (FC-BGA) New Entrant and Capacity Expansion Plans
- Table 28. ABF Substrate (FC-BGA) Mergers & Acquisitions Activity
- Table 29. United States VS China ABF Substrate (FC-BGA) Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China ABF Substrate (FC-BGA) Production Comparison, (2018 & 2022 & 2029) & (K Square Meters)
- Table 31. United States VS China ABF Substrate (FC-BGA) Consumption Comparison, (2018 & 2022 & 2029) & (K Square Meters)
- Table 32. United States Based ABF Substrate (FC-BGA) Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers ABF Substrate (FC-BGA) Production Value, (2018-2023) & (USD Million)
- Table 34. United States Based Manufacturers ABF Substrate (FC-BGA) Production Value Market Share (2018-2023)
- Table 35. United States Based Manufacturers ABF Substrate (FC-BGA) Production (2018-2023) & (K Square Meters)
- Table 36. United States Based Manufacturers ABF Substrate (FC-BGA) Production Market Share (2018-2023)
- Table 37. China Based ABF Substrate (FC-BGA) Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers ABF Substrate (FC-BGA) Production Value, (2018-2023) & (USD Million)
- Table 39. China Based Manufacturers ABF Substrate (FC-BGA) Production Value Market Share (2018-2023)
- Table 40. China Based Manufacturers ABF Substrate (FC-BGA) Production (2018-2023) & (K Square Meters)
- Table 41. China Based Manufacturers ABF Substrate (FC-BGA) Production Market Share (2018-2023)



- Table 42. Rest of World Based ABF Substrate (FC-BGA) Manufacturers, Headquarters and Production Site (States, Country)
- Table 43. Rest of World Based Manufacturers ABF Substrate (FC-BGA) Production Value, (2018-2023) & (USD Million)
- Table 44. Rest of World Based Manufacturers ABF Substrate (FC-BGA) Production Value Market Share (2018-2023)
- Table 45. Rest of World Based Manufacturers ABF Substrate (FC-BGA) Production (2018-2023) & (K Square Meters)
- Table 46. Rest of World Based Manufacturers ABF Substrate (FC-BGA) Production Market Share (2018-2023)
- Table 47. World ABF Substrate (FC-BGA) Production Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 48. World ABF Substrate (FC-BGA) Production by Type (2018-2023) & (K Square Meters)
- Table 49. World ABF Substrate (FC-BGA) Production by Type (2024-2029) & (K Square Meters)
- Table 50. World ABF Substrate (FC-BGA) Production Value by Type (2018-2023) & (USD Million)
- Table 51. World ABF Substrate (FC-BGA) Production Value by Type (2024-2029) & (USD Million)
- Table 52. World ABF Substrate (FC-BGA) Average Price by Type (2018-2023) & (USD/Square Meter)
- Table 53. World ABF Substrate (FC-BGA) Average Price by Type (2024-2029) & (USD/Square Meter)
- Table 54. World ABF Substrate (FC-BGA) Production Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 55. World ABF Substrate (FC-BGA) Production by Application (2018-2023) & (K Square Meters)
- Table 56. World ABF Substrate (FC-BGA) Production by Application (2024-2029) & (K Square Meters)
- Table 57. World ABF Substrate (FC-BGA) Production Value by Application (2018-2023) & (USD Million)
- Table 58. World ABF Substrate (FC-BGA) Production Value by Application (2024-2029) & (USD Million)
- Table 59. World ABF Substrate (FC-BGA) Average Price by Application (2018-2023) & (USD/Square Meter)
- Table 60. World ABF Substrate (FC-BGA) Average Price by Application (2024-2029) & (USD/Square Meter)
- Table 61. Unimicron Basic Information, Manufacturing Base and Competitors

Table 62. Unimicron Major Business

Table 63. Unimicron ABF Substrate (FC-BGA) Product and Services

Table 64. Unimicron ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Unimicron Recent Developments/Updates

Table 66. Unimicron Competitive Strengths & Weaknesses

Table 67. Ibiden Basic Information, Manufacturing Base and Competitors

Table 68. Ibiden Major Business

Table 69. Ibiden ABF Substrate (FC-BGA) Product and Services

Table 70. Ibiden ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Ibiden Recent Developments/Updates

Table 72. Ibiden Competitive Strengths & Weaknesses

Table 73. Nan Ya PCB Basic Information, Manufacturing Base and Competitors

Table 74. Nan Ya PCB Major Business

Table 75. Nan Ya PCB ABF Substrate (FC-BGA) Product and Services

Table 76. Nan Ya PCB ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Nan Ya PCB Recent Developments/Updates

Table 78. Nan Ya PCB Competitive Strengths & Weaknesses

Table 79. Shinko Electric Industries Basic Information, Manufacturing Base and Competitors

Table 80. Shinko Electric Industries Major Business

Table 81. Shinko Electric Industries ABF Substrate (FC-BGA) Product and Services

Table 82. Shinko Electric Industries ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Shinko Electric Industries Recent Developments/Updates

Table 84. Shinko Electric Industries Competitive Strengths & Weaknesses

Table 85. Kinsus Interconnect Basic Information, Manufacturing Base and Competitors

Table 86. Kinsus Interconnect Major Business

Table 87. Kinsus Interconnect ABF Substrate (FC-BGA) Product and Services

Table 88. Kinsus Interconnect ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Kinsus Interconnect Recent Developments/Updates

Table 90. Kinsus Interconnect Competitive Strengths & Weaknesses

Table 91. AT&S Basic Information, Manufacturing Base and Competitors

Table 92. AT&S Major Business

Table 93. AT&S ABF Substrate (FC-BGA) Product and Services

Table 94. AT&S ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. AT&S Recent Developments/Updates

Table 96. AT&S Competitive Strengths & Weaknesses

Table 97. Semco Basic Information, Manufacturing Base and Competitors

Table 98. Semco Major Business

Table 99. Semco ABF Substrate (FC-BGA) Product and Services

Table 100. Semco ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Semco Recent Developments/Updates

Table 102. Semco Competitive Strengths & Weaknesses

Table 103. Kyocera Basic Information, Manufacturing Base and Competitors

Table 104. Kyocera Major Business

Table 105. Kyocera ABF Substrate (FC-BGA) Product and Services

Table 106. Kyocera ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Kyocera Recent Developments/Updates

Table 108. Kyocera Competitive Strengths & Weaknesses

Table 109. TOPPAN Basic Information, Manufacturing Base and Competitors

Table 110. TOPPAN Major Business

Table 111. TOPPAN ABF Substrate (FC-BGA) Product and Services

Table 112. TOPPAN ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. TOPPAN Recent Developments/Updates

Table 114. TOPPAN Competitive Strengths & Weaknesses

Table 115. Zhen Ding Technology Basic Information, Manufacturing Base and Competitors

Table 116. Zhen Ding Technology Major Business

Table 117. Zhen Ding Technology ABF Substrate (FC-BGA) Product and Services

Table 118. Zhen Ding Technology ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and

Market Share (2018-2023)

Table 119. Zhen Ding Technology Recent Developments/Updates

Table 120. Zhen Ding Technology Competitive Strengths & Weaknesses

Table 121. Daeduck Electronics Basic Information, Manufacturing Base and Competitors

Table 122. Daeduck Electronics Major Business

Table 123. Daeduck Electronics ABF Substrate (FC-BGA) Product and Services

Table 124. Daeduck Electronics ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Daeduck Electronics Recent Developments/Updates

Table 126. Daeduck Electronics Competitive Strengths & Weaknesses

Table 127. ASE Material Basic Information, Manufacturing Base and Competitors

Table 128. ASE Material Major Business

Table 129. ASE Material ABF Substrate (FC-BGA) Product and Services

Table 130. ASE Material ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. ASE Material Recent Developments/Updates

Table 132. ASE Material Competitive Strengths & Weaknesses

Table 133. ACCESS Basic Information, Manufacturing Base and Competitors

Table 134. ACCESS Major Business

Table 135. ACCESS ABF Substrate (FC-BGA) Product and Services

Table 136. ACCESS ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. ACCESS Recent Developments/Updates

Table 138. ACCESS Competitive Strengths & Weaknesses

Table 139. NCAP China Basic Information, Manufacturing Base and Competitors

Table 140. NCAP China Major Business

Table 141. NCAP China ABF Substrate (FC-BGA) Product and Services

Table 142. NCAP China ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 143. NCAP China Recent Developments/Updates

Table 144. NCAP China Competitive Strengths & Weaknesses

Table 145. LG InnoTek Basic Information, Manufacturing Base and Competitors

Table 146. LG InnoTek Major Business

Table 147. LG InnoTek ABF Substrate (FC-BGA) Product and Services

Table 148. LG InnoTek ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 149. LG InnoTek Recent Developments/Updates

Table 150. LG InnoTek Competitive Strengths & Weaknesses

Table 151. Shennan Circuit Basic Information, Manufacturing Base and Competitors

Table 152. Shennan Circuit Major Business

Table 153. Shennan Circuit ABF Substrate (FC-BGA) Product and Services

Table 154. Shennan Circuit ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 155. Shennan Circuit Recent Developments/Updates

Table 156. Shenzhen Fastprint Circuit Tech Basic Information, Manufacturing Base and Competitors

Table 157. Shenzhen Fastprint Circuit Tech Major Business

Table 158. Shenzhen Fastprint Circuit Tech ABF Substrate (FC-BGA) Product and Services

Table 159. Shenzhen Fastprint Circuit Tech ABF Substrate (FC-BGA) Production (K Square Meters), Price (USD/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 160. Global Key Players of ABF Substrate (FC-BGA) Upstream (Raw Materials)

Table 161. ABF Substrate (FC-BGA) Typical Customers

Table 162. ABF Substrate (FC-BGA) Typical Distributors



## List Of Figures

### LIST OF FIGURES

Figure 1. ABF Substrate (FC-BGA) Picture

Figure 2. World ABF Substrate (FC-BGA) Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World ABF Substrate (FC-BGA) Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World ABF Substrate (FC-BGA) Production (2018-2029) & (K Square Meters)

Figure 5. World ABF Substrate (FC-BGA) Average Price (2018-2029) & (USD/Square Meter)

Figure 6. World ABF Substrate (FC-BGA) Production Value Market Share by Region (2018-2029)

Figure 7. World ABF Substrate (FC-BGA) Production Market Share by Region (2018-2029)

Figure 8. China ABF Substrate (FC-BGA) Production (2018-2029) & (K Square Meters)

Figure 9. Japan ABF Substrate (FC-BGA) Production (2018-2029) & (K Square Meters)

Figure 10. South Korea ABF Substrate (FC-BGA) Production (2018-2029) & (K Square Meters)

Figure 11. China Taiwan ABF Substrate (FC-BGA) Production (2018-2029) & (K Square Meters)

Figure 12. Southeast Asia ABF Substrate (FC-BGA) Production (2018-2029) & (K Square Meters)

Figure 13. ABF Substrate (FC-BGA) Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World ABF Substrate (FC-BGA) Consumption (2018-2029) & (K Square Meters)

Figure 16. World ABF Substrate (FC-BGA) Consumption Market Share by Region (2018-2029)

Figure 17. United States ABF Substrate (FC-BGA) Consumption (2018-2029) & (K Square Meters)

Figure 18. China ABF Substrate (FC-BGA) Consumption (2018-2029) & (K Square Meters)

Figure 19. Europe ABF Substrate (FC-BGA) Consumption (2018-2029) & (K Square Meters)

Figure 20. Japan ABF Substrate (FC-BGA) Consumption (2018-2029) & (K Square Meters)

Figure 21. South Korea ABF Substrate (FC-BGA) Consumption (2018-2029) & (K

Square Meters)

Figure 22. ASEAN ABF Substrate (FC-BGA) Consumption (2018-2029) & (K Square Meters)

Figure 23. India ABF Substrate (FC-BGA) Consumption (2018-2029) & (K Square Meters)

Figure 24. Producer Shipments of ABF Substrate (FC-BGA) by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for ABF Substrate (FC-BGA) Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for ABF Substrate (FC-BGA) Markets in 2022

Figure 27. United States VS China: ABF Substrate (FC-BGA) Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: ABF Substrate (FC-BGA) Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: ABF Substrate (FC-BGA) Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers ABF Substrate (FC-BGA) Production Market Share 2022

Figure 31. China Based Manufacturers ABF Substrate (FC-BGA) Production Market Share 2022

Figure 32. Rest of World Based Manufacturers ABF Substrate (FC-BGA) Production Market Share 2022

Figure 33. World ABF Substrate (FC-BGA) Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World ABF Substrate (FC-BGA) Production Value Market Share by Type in 2022

Figure 35. 4-8 Layers ABF Substrate

Figure 36. 8-16 Layers ABF Substrate

Figure 37. Others

Figure 38. World ABF Substrate (FC-BGA) Production Market Share by Type (2018-2029)

Figure 39. World ABF Substrate (FC-BGA) Production Value Market Share by Type (2018-2029)

Figure 40. World ABF Substrate (FC-BGA) Average Price by Type (2018-2029) & (USD/Square Meter)

Figure 41. World ABF Substrate (FC-BGA) Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World ABF Substrate (FC-BGA) Production Value Market Share by



Application in 2022

Figure 43. PCs

Figure 44. Server & Data Center

Figure 45. HPC/AI Chips

Figure 46. Communication

Figure 47. Others

Figure 48. World ABF Substrate (FC-BGA) Production Market Share by Application (2018-2029)

Figure 49. World ABF Substrate (FC-BGA) Production Value Market Share by Application (2018-2029)

Figure 50. World ABF Substrate (FC-BGA) Average Price by Application (2018-2029) & (USD/Square Meter)

Figure 51. ABF Substrate (FC-BGA) Industry Chain

Figure 52. ABF Substrate (FC-BGA) Procurement Model

Figure 53. ABF Substrate (FC-BGA) Sales Model

Figure 54. ABF Substrate (FC-BGA) Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

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