

# Global Planar Die Bonder Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Planar Die Bonder market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

A planar die bonder is a device used in the electronics assembly and packaging process. It is mainly used in the process of fixing micro components such as chips, chipsets, sensors, etc. on printed circuit boards (PCB) or other substrates. A planar die bonder usually includes a workbench, a feeding system and a die bonding head. In operation, the table holds the substrate, the feeding system supplies the chips or components, and the die attach head is responsible for placing the chip precisely on the substrate and fixing it using appropriate methods such as heat pressure or soldering. The operation process of a planar die bonder usually involves the following steps: Preparatory work: setting up and calibrating the machine, preparing substrates and chips. Loading: Place the chip or component in the feeding system, usually using a suction nozzle or other suitable fixture. Positioning: Place the substrate on the workbench and make sure the position is accurate. Die-bonding: The die-bonding head precisely places the chip or component on the substrate, and applies appropriate pressure or temperature to make it firmly connected to the substrate. Inspection: Check whether the connection after die bonding is accurate and reliable. Unloading: Remove the die-bonded substrate from the feeding system and prepare for the next operation. Planar die bonding machine plays a key role in the electronics manufacturing industry. It can improve production efficiency and ensure assembly quality, and is widely used in electronic equipment manufacturing, semiconductor packaging, sensor manufacturing and other fields.

The Global Info Research report includes an overview of the development of the Planar Die Bonder industry chain, the market status of Semiconductor Manufacturing (Manual Plane Die Bonder, Semi-Automatic Planar Die Bonder), Electronic Packaging (Manual Plane Die Bonder, Semi-Automatic Planar Die Bonder), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Planar Die Bonder.

Regionally, the report analyzes the Planar Die Bonder 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 Planar Die Bonder market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Planar Die Bonder 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 Planar Die Bonder 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 (Units), revenue generated, and market share of different by Type (e.g., Manual Plane Die Bonder, Semi-Automatic Planar Die Bonder).

**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 Planar Die Bonder market.

**Regional Analysis:** The report involves examining the Planar Die Bonder 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 Planar Die Bonder market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Planar Die Bonder:

**Company Analysis:** Report covers individual Planar Die Bonder 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 Planar Die Bonder. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Semiconductor Manufacturing, Electronic Packaging).

**Technology Analysis:** Report covers specific technologies relevant to Planar Die Bonder. It assesses the current state, advancements, and potential future developments in Planar Die Bonder areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Planar Die Bonder 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

Planar Die Bonder market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Manual Plane Die Bonder

Semi-Automatic Planar Die Bonder

Fully Automatic Flat Die Bonder

## Market segment by Application

Semiconductor Manufacturing

Electronic Packaging

Others

## Major players covered

ASM Pacific Technology Ltd.

Kulicke & Soffa Industries, Inc.

Tokyo Electron Limited

Applied Materials, Inc.

Disco Corporation

EV Group (EVG)

SPTS Technologies Ltd.

Besi (BE Semiconductor Industries N.V.)

Nordson Corporation

Shibaura Mechatronics Corporation

Palomar Technologies, Inc.

Shinkawa Ltd.

Towa Corporation

F&K Delvotec Bondtechnik GmbH

West Bond, Inc.

Orthodyne Electronics Corporation

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 Planar Die Bonder product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Planar Die Bonder, with price, sales, revenue and global market share of Planar Die Bonder from 2018 to 2023.

Chapter 3, the Planar Die Bonder competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Planar Die Bonder breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022.and Planar Die Bonder market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Planar Die Bonder.

Chapter 14 and 15, to describe Planar Die Bonder sales channel, distributors, customers, research findings and conclusion.

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