

Global Semiconductor Assembly Process Equipment Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G31310311A8EN.html>

Date: June 2024

Pages: 110

Price: US\$ 3,480.00 (Single User License)

ID: G31310311A8EN

Abstracts

According to our (Global Info Research) latest study, the global Semiconductor Assembly Process Equipment market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Semiconductor Assembly Process Equipment is used for an integrated chip to function, it needs to be connected to the package or directly to the printed circuit. This involves wire bonding, die-bonding, and dicing. Also, it is a back end process of chip formation. Semiconductor chip assembly is also a key component of the semiconductor supply chain.

According to our Semiconductor Research Center, in 2022, the global semiconductor equipment was valued at US\$ 109 billion. China mainland, China Taiwan and South Korea have a combined market share over 70%. North America, Europe and Japan, have a combined market share of 23%. The key drivers are high performance computing, AI, cloud computing, Servers, 5G and EV (electric vehicle), etc.

The Global Info Research report includes an overview of the development of the Semiconductor Assembly Process Equipment industry chain, the market status of IDMs (Die Bonders, Wire Bonders), OSAT (Die Bonders, Wire Bonders), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Semiconductor Assembly Process Equipment.

Regionally, the report analyzes the Semiconductor Assembly Process Equipment 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 Semiconductor Assembly Process Equipment market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Semiconductor Assembly Process Equipment 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 Semiconductor Assembly Process Equipment 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 (Unit), revenue generated, and market share of different by Type (e.g., Die Bonders, Wire Bonders).

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 Semiconductor Assembly Process Equipment market.

Regional Analysis: The report involves examining the Semiconductor Assembly Process Equipment 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 Semiconductor Assembly Process Equipment market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Semiconductor Assembly Process Equipment:

Company Analysis: Report covers individual Semiconductor Assembly Process Equipment 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 Semiconductor Assembly Process Equipment. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (IDMs, OSAT).

Technology Analysis: Report covers specific technologies relevant to Semiconductor Assembly Process Equipment. It assesses the current state, advancements, and potential future developments in Semiconductor Assembly Process Equipment areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Semiconductor Assembly Process Equipment 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

Semiconductor Assembly Process Equipment market is split by Type and by Application. For the period 2019-2030, 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

Die Bonders

Wire Bonders

Packaging Equipment

Others

Market segment by Application

IDMs

OSAT

Major players covered

ASM Pacific Technology

Kulicke & Soffa Industries

Besi

Accrutech

Shinkawa

Palomar Technologies

Hesse Mechatronics

Toray Engineering

West Bond

HYBOND

DIAS Automation

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 Semiconductor Assembly Process Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Semiconductor Assembly Process Equipment, with price, sales, revenue and global market share of Semiconductor Assembly Process Equipment from 2019 to 2024.

Chapter 3, the Semiconductor Assembly Process Equipment competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Semiconductor Assembly Process Equipment 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 Type and application, with sales market share and growth rate by type, 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 Semiconductor Assembly Process Equipment market forecast, by regions, type 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 Semiconductor Assembly Process Equipment.

Chapter 14 and 15, to describe Semiconductor Assembly Process Equipment sales channel, distributors, customers, research findings and conclusion.

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