

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Flip Chip Bonder Market 2018, Forecast to 2023

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Abstracts

Flip chip is a method used for components or devices that can be bonded directly onto a substrate, board or carrier face-down. The connection is made through conductive bumps placed on the surface of the die. The placing process amounts to the following:

1. Die is picked up and place on a "flipping device"
2. Die is "flipped" and moved to hover over the substrate (or board or carrier) where bumps reside-precisely positioned in their previously defined positions
3. The tool then places the die on the bump with a programmed amount of force

Flip chip bumping is a vital step to the process. The bump provides the necessary electrical connection between the die and the substrate, provides thermal conduction through the two materials, acts as a "spacer" to prevent electrical shorts and provides mechanical support.

Flip chips avoid wire bonding and therefore are able to be much smaller than their counterparts. Flip chip processes have been around for more than 40 years. Since then, thousands of applications have taken advantage of the size and cost benefits enabled by the flip chip assembly method.

SCOPE OF THE REPORT:

This report focuses on the Flip Chip Bonder in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Flip Chip Bonder industry is relatively concentrated, manufacturers are mostly in the Europe, US and Asia. As for the downstream market, China sales accounted for more than 22.71% of the total sales of global Flip Chip Bonder in 2016. Besi is the world leading manufacturer in global Flip Chip Bonder market with the market share of

28.64%, in terms of revenue. China market is expected to be the biggest market with sales market share of 25.67% in 2022.

Despite the presence of competition problems, investors are still optimistic about this area, in future still more new investment will enter into the field. Technology and cost are two major problems.

Although sales of Flip Chip Bonder brought a lot of opportunities, for the new entrants with only advantage in capital without sufficient support in technology and downstream channels, the research group did not recommend taking risk enter this market.

The worldwide market for Flip Chip Bonder is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Besi

ASM Pacific Technology

Shibaura

Muehlbauer

Kulicke & Soffa

Hamni

AMICRA Microtechnologies

SET

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Fully Automatic

Semi-Automatic

Market Segment by Applications, can be divided into

IDMs

OSAT

There are 15 Chapters to deeply display the global Flip Chip Bonder market.

Chapter 1, to describe Flip Chip Bonder Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Flip Chip Bonder, with sales, revenue, and price of Flip Chip Bonder, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Flip Chip Bonder, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share

and growth rate by type, application, from 2013 to 2018;

Chapter 12, Flip Chip Bonder market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Flip Chip Bonder sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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