

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Probe Card Market 2018, Forecast to 2023

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## Abstracts

A probe card is an interface between an electronic test system and a semiconductor wafer. Typically the probe card is mechanically docked to a prober and electrically connected to a tester. Its purpose is to provide an electrical path between the test system and the circuits on the wafer, thereby permitting the testing and validation of the circuits at the wafer level, usually before they are diced and packaged. It consists, normally, of a printed circuit board (PCB) and some form of contact elements, usually metallic, but possibly of other materials as well.

### Scope of the Report:

This report focuses on the Probe Card 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. Demand for probe cards should grow consistently due to the need of high-end assembly for applications such as network/communication equipment, smartphone chips, high-end GPUs, CMOS and wearable device memory, and demands for SiP assembly for fingerprint recognition by Apple and non-Apple manufacturers. IC assembly and testing companies should be the ones to benefit from this development, for they are most directly related to the use of probe cards.

United States has the largest global export quantity and manufacturers in Probe Card market, while the Japan is the second sales volume market for Probe Card in 2017.

In the industry, FormFactor profits most in 2017 and recent years, while Micronics Japan (MJC) and Technoprobe S.p.A. ranked 2 and 3. The market share of them is

23.84%, 14.20% and 9.33% in 2017. The gap of market share is keep on enlarged due to different strategy.

Nowadays, there are three mainly types of Probe Card, including Cantilever Probe Card, Vertical Probe Card and MEMS Probe Card. And Vertical Probe Card is the main type for Probe Card, and the Vertical Probe Card reached a sales volume of approximately 48510 K PIN in 2017, with 36.83% of global sales volume. The development of probe cards synchronizes with the development of IC industry. For example, 3D IC, Chip Scale Package (CSP), Flip Chip Package, Multi Chip Module (MCM), KGD (Known Good Die), Cooper Pillar Package, Drawing Chip and high-frequency testing demand are all dependent on various probe card testing technologies.

Probe Card technology is much mature now, and new enterprises can not surpass existing famous brands on reputation or design in the short term. So, the study group recommends the new entrants need to be considered carefully before enter into this field.

The worldwide market for Probe Card is expected to grow at a CAGR of roughly 4.0% over the next five years, will reach 1900 million US\$ in 2023, from 1500 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

FormFactor

Micronics Japan (MJC)

Technoprobe S.p.A.

Japan Electronic Materials (JEM)

MPI Corporation

SV Probe

Microfriend

Korea Instrument

Feinmetall

Synergie Cad Probe

Advantest

Will Technology

TSE

TIPS Messtechnik GmbH

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

Cantilever Probe Card

Vertical Probe Card

MEMS Probe Card

Market Segment by Applications, can be divided into

Foundry & Logic

DRAM

Flash

Parametric

Others (RF/MMW/Radar, etc.)

There are 15 Chapters to deeply display the global Probe Card market.

Chapter 1, to describe Probe Card Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Probe Card, with sales, revenue, and price of Probe Card, 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 Probe Card, 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, Probe Card market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Probe Card sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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