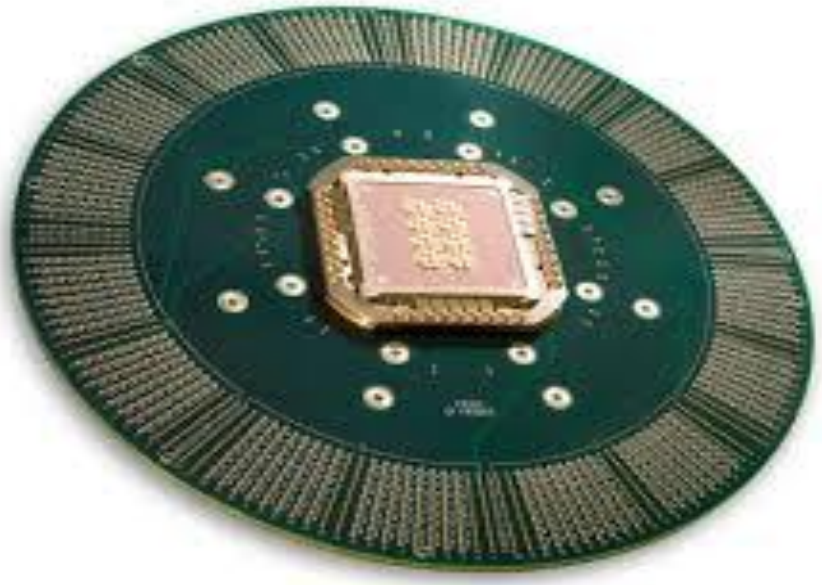
Global Probe Card Market (2017-2021 Edition)

October 2017



Daedal Research

Global Probe Card Market Report

Scope of the Report

The report titled "Global Probe Card Market: Size, Trends & Forecasts (2017 Edition)" provides an in-depth analysis of the global probe card market with detailed analysis of the market by value and by segments.

The report provides detailed regional analysis of Asia-Pacific, which also included the forecast market for the period 2017-2021. Taiwan, Japan, China are leading manufacturers of the product in the region.

Growth of the global probe card market has also been forecasted for the period 2017-2021, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

The global probe card market is highly consolidated as a few leading vendors hold the majority of market shares. The market has high entry barriers owing to the highly consolidated nature of the market and the requirement of technical expertise. It is anticipated that the vendors with cheaper and technologically advanced testing solutions will be able to capture a greater market share during the forecast period.

Further, key players of the global probe card market are FormFactor, Japan Electronic Materials and Micronics Japan. The report has also profiled their financial information and respective business strategies.

Country Coverage

Asia Pacific

Company Coverage

FormFactor, Inc.

Micronics Japan Co. Ltd.

Japan Electronic Materials Corporation

Global Probe Card Market Report

Executive Summary

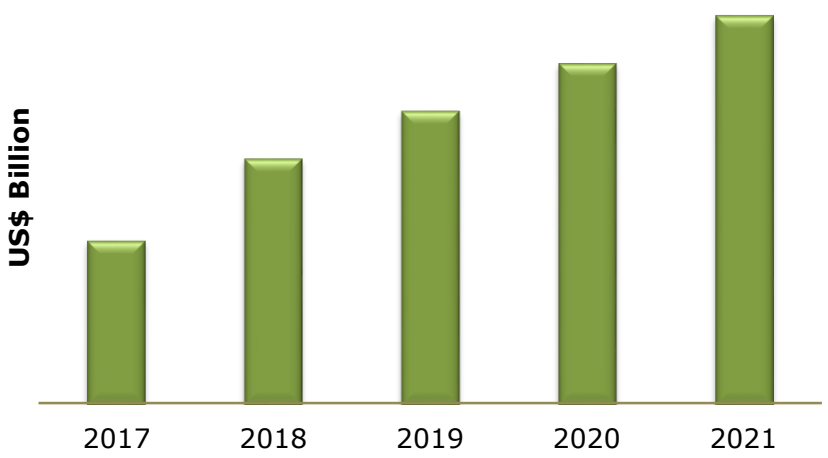
Wafer testing performed by semiconductor producer is done with the help of test equipment devices that are called probe cards. Probe cards are the testing devices used by semiconductor manufacturers to perform wafer test on semiconductor die and chips. Traditional probe cards contact just a part of the wafer, requiring various touchdowns to test the whole wafer. There has been improvements in designs to suit a wide range of contactor technologies so that the contactor technology can develop according to the necessities of the customers.

The global probe card market increased at a significant CAGR during the span of four years, i.e. 2013-2016 and projections are made that the market would rise in the next five years i.e. 2017-2021, tremendously. The market can be segmented, on the basis of technology into: blade/tungsten, epoxy/cantilever, vertical probe and MEMS. The probe card market segmentation is also done on the basis of device into Foundry & Logic, DRAM, Flash and Engineering Systems.

The growth drivers for the global probe card market are: emergence of TSV technology, the prevalence of miniaturization, rise in the semiconductor market and LED market. Despite the market is governed by various growth drivers, there are certain challenges faced by the market such as: continuous price pressure on vendors, cyclical nature of the semiconductor industry, and limited number of suppliers. Some of the recent trends in the market include developments in the semiconductor market & LED market relating to probe cards, transition from cantilever probe cards to advanced probe cards and the emerging strong players.

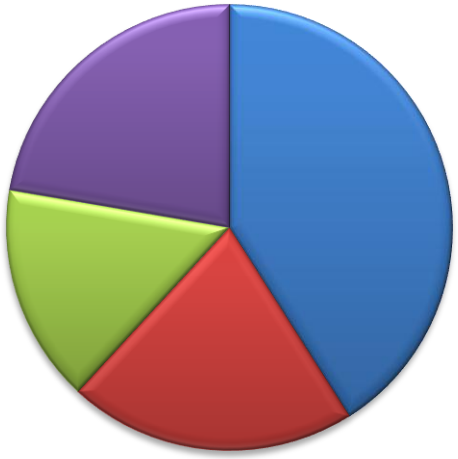
Global Probe Market Overview

Global Probe Card Market by Value; 2017-2021 (US$ Billion)



The global probe card market by value is estimated to rise to US$... billion by 2021 from US$...billion in 2017 at a CAGR of …% over the years 2017-2021. The global probe card market could be segmented on the basis of device into 4 segments. The major share was held by …segment with …% share in 2016. The global probe card market could also be segmented on the basis of technology into 5 segments and the major share was held by …segment with …% share in 2016.

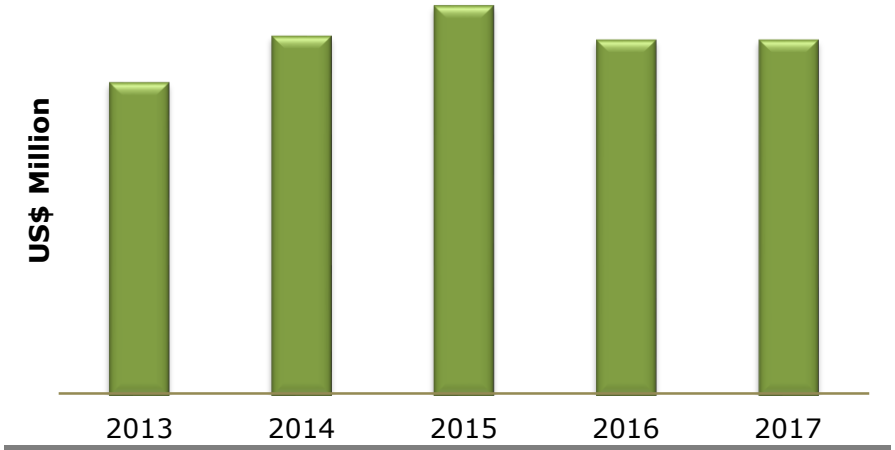
Global Probe Card Market Value by Device; 2016 (Percentage, %)



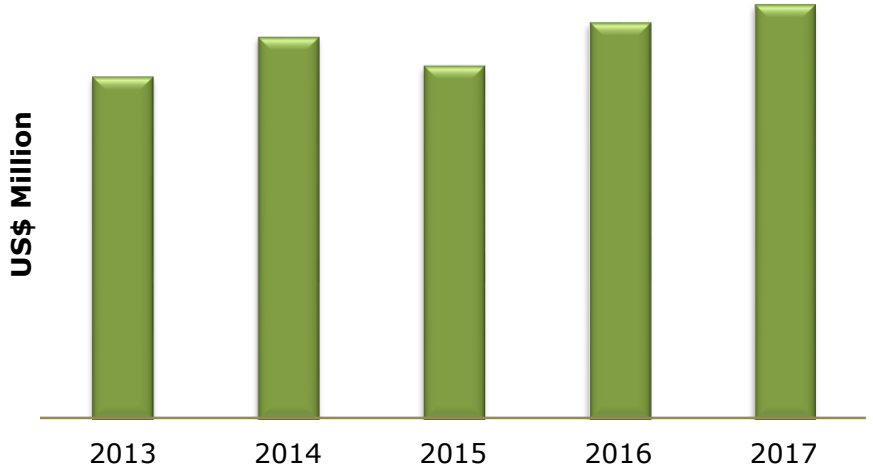
Global Probe Card Market Value by Technology; 2016 (Percentage, %)

Global Probe Card Market Segments Overview

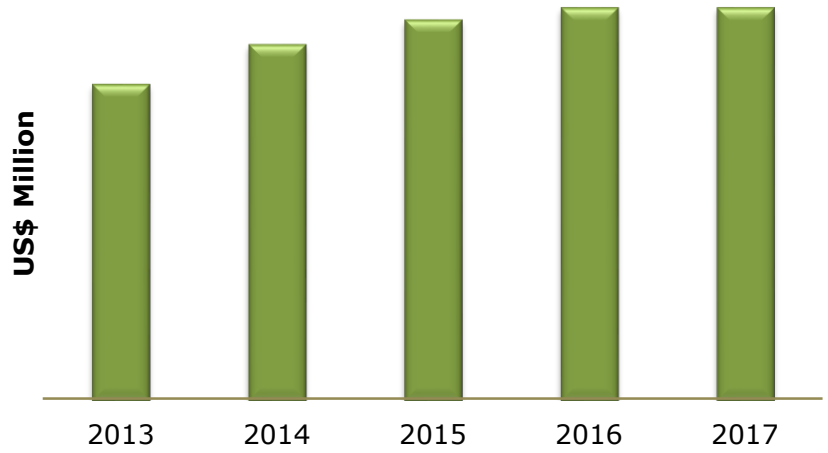
Global DRAM Probe Card Market by Value; 2013-2017 (US$ Million)



Global Flash Probe Card Market by Value; 2013-2017 (US$ Million)



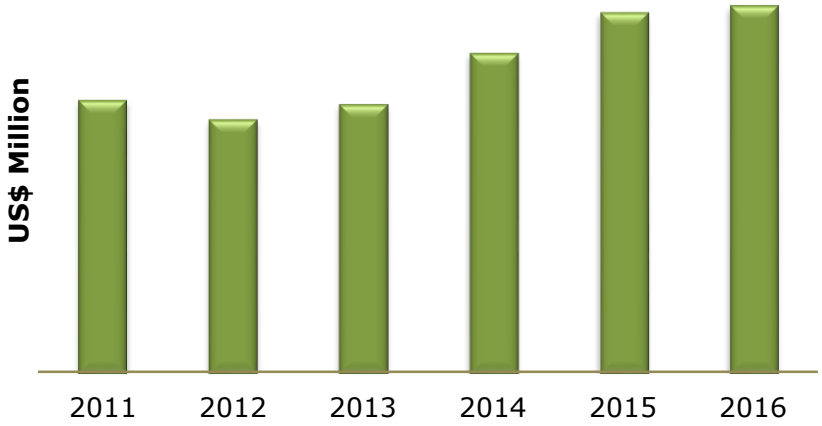
Global Foundry & Logic Probe Card Market by Value; 2013-2017(US$ Million)



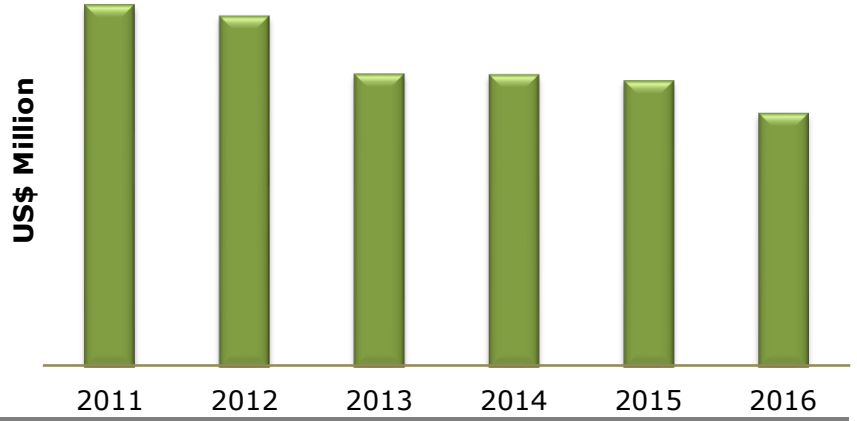
The global DRAM market by value is likely to be at US$...million in 2017 in comparison to US$...million in 2016. The global flash market by value is anticipated to reach US$...million in 2017 from US$...million in 2016. The global foundry & logic market by value is expected to remain constant at US$....million in 2017 similar to US$...million in 2016.

Probe Card Market: Segment & Regional Overview

Global MEMS Probe Card Market by Value; 2011-2016 (US$ Million)



Global Epoxy/Cantilever Probe Card Market by Value; 2011-2016 (US$ Million)



The global MEMS probe card market by value was at US$...million in 2016. The global Epoxy/cantilever probe card market by value fell to US$...million in 2016 from US$...million in 2015.

The Asia-Pacific probe card market by value is ascertained to increase to US$...million by 2021 from US$...million in 2017 at a CAGR of …% over the years 2017-2021.

Asia-Pacific Probe Card Market by Value; 2015-2021 (US$ Billion)