

# **Global Focused Ion Beam (FIB) Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023**

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## **Abstracts**

Focused ion beam, also known as FIB, is a technique used particularly in the semiconductor industry, Deposition and increasingly in the biological field for site-specific analysis, deposition, and ablation of materials.

FIB systems operate in a similar fashion to a scanning electron microscope (SEM) except, rather than a beam of electrons and as the name implies, FIB systems use a finely focused beam of ions (usually gallium) that can be operated at low beam currents for imaging or at high beam currents for site specific sputtering or milling.

### **Scope of the Report:**

This report focuses on the Focused Ion Beam (FIB) 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.

Focused Ion Beam is primarily split into ion FIB system and FIB-SEM system. FIB-SEM system is a major technology with Revenue of 89% in 2016.

Europe is the largest sales region of Focused Ion Beam in the past five years. Focused Ion Beam market took up about 39% the global market in 2017, while USA was 24%.

Operating amid the relatively high level of competition, companies are more focused on product innovation and development and technological advancements to fortify their footing in the market. An instance is the introduction of a new generation focused ion beam scanning electron microscope by Zeiss in March 2017.

Hitachi High-Technologies, FEI, Carl Zeiss, are the key suppliers in the global Focused Ion Beam market. Top 3 took up about 61.54% in 2017.

The worldwide market for Focused Ion Beam (FIB) is expected to grow at a CAGR of roughly 4.0% over the next five years, will reach 280 million US\$ in 2023, from 220 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

FEI

Carl Zeiss

Raith

JEOL

TESCAN

SII

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

FIB

## FIB-SEM

Market Segment by Applications, can be divided into

Etching

Imaging

Deposition

Others

There are 15 Chapters to deeply display the global Focused Ion Beam (FIB) market. Chapter 1, to describe Focused Ion Beam (FIB) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Focused Ion Beam (FIB), with sales, revenue, and price of Focused Ion Beam (FIB), 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 Focused Ion Beam (FIB), 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, Focused Ion Beam (FIB) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Focused Ion Beam (FIB) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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