

# **Focused Ion Beam (FIB) Market (By Ion Beam Sources Type: Gold, Gallium, Iridium, and Others; By Application: Nanofabrication, Sample Preparation, and Others; By Geography: North America, Europe, Asia-Pacific, and RoW) Global Scenario, Market Size, Outlook, Trend and Forecast, 2015-2024**

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## **Abstracts**

Global Focused Ion Beam (FIB) Market is forecasted to reach \$530 million by 2024; growing at a CAGR of 6.8% from 2016 to 2024. Focused ion beam is widely used in verticals such as semiconductor and materials science, among others. Currently, it is commonly found in a broad range of applications in medical science laboratories and have also gained popularity in the biological field for deposition, ablation of materials, and site specific analysis.

High demand for failure analysis equipment, increasing demand for ion beam lithography, and adoption of focused ion beam systems in sample preparation are the key factors driving the global focused ion beam market. However, high cost of focused ion beam systems would hamper the market growth in coming years. Product innovation would provide several growth opportunities for the market in coming years.

The focused ion beam market can be classified into ion beam sources and application. By ion beam sources, the market is segmented into gallium, iridium, gold and others. By application, the market is further divided into nanofabrication, sample preparation and others. By ion beam sources, gallium dominated the market in 2016, accounting for more than half of the total market size, owing to its extensive usage as a liquid ion source for high resolution, focused ion beam imaging, depth profiling, nanofabrication, and ion beam lithography.

Geographically, the global focused Ion beam market has been segmented into North America, Europe, Asia-Pacific and RoW. The U.S., Mexico and Canada are covered under North America wherein Europe covers Germany, UK, Netherland, and others. Asia-Pacific covers China, India, Japan, and others. Rest of the World (RoW) covers South America, Middle East and Africa.

Major companies operating in the focused Ion beam market are Evans Analytical Group, Hitachi High-Technologies Corp., JEOL Ltd., FEI, Carl Zeiss AG, Fibics Incorporated, Thermo Fisher Scientific Inc, TESCAN ORSAY HOLDING a.s., ZEROK Nanotech, and Raith GmbH among others.

The key takeaways from the report

The report will provide detailed analysis of Focused Ion Beam Market with respect to major segments such as ion beam sources type, and application

The report will include the qualitative and quantitative analysis with market estimation over 2015-2024 and compound annual growth rate (CAGR) between 2016 and 2024

Comprehensive analysis of market dynamics including factors and opportunities will be provided

An exhaustive regional analysis of Focused Ion Beam Market has been included in the report

Profile of the key players of the Focused Ion Beam Market will be provided, which include key financials, product & services, new developments and business strategies

Scope of Focused Ion Beam Market

Ion Beam Sources Type Segments

Gallium

Iridium

Gold

Others

### Application Segments

Nanofabrication

Sample Preparation

Others

### Geographical Segments

North America

US

Canada

Mexico

Europe

Germany

France

United Kingdom

Spain

Others

Asia-Pacific

China

India

Japan

South Korea

Others

RoW

South America

Middle East

Africa

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