

# **Global Microscopy Market Size study, by Product (Microscopes, Software, Accessories), by Type (Optical Microscopes, Electron Microscopes, Scanning Probe Microscopes, Others), by Application (Semiconductors, Lifesciences, Material Science, Others), by End-User (Industries, Academic & Research Institutes) and Regional Forecasts 2019-2026**

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## **Abstracts**

Global Microscopy Market is valued approximately at USD 5.92 billion in 2018 and is anticipated to grow with a healthy growth rate of more than 6.50% over the forecast period 2019-2026. A microscopy have three well-recognized branches of microscopy that are optical, electron, and scanning probe microscopy, along with the evolving field of X-ray microscopy. Microscopy is a general term where light is being transmitted from a source which is on the other side of the sample, to the objective lens. Mostly, the light is passed via a condenser to emphasis on the sample to have extreme brightness. After the light has passed over the sample, it goes through the objective lens to amplify the image of the sample & subsequently to the oculars, where the enlarged image is seen. Growing interest of nanotechnology and regenerative medicines, favorable funding scenario for R&D in microcopy, and technological advancements in microscopes such as high-definition image and 3-D views are the few factors responsible for high CAGR of the market over the forecast period. For instance, according to national Cancer Institute, in 2018, USA will have an assessment of 1,735,350 new cases of cancer and roughly 609,640 people will die from the disease. The high resolution power of microscopes facilitates in studying cancer cells and obtaining cure for the same as electron microscope helps in the visualization of cytoplasmic deposits of virus-like particulates in

tumors of demonstrated viral etiology. Owing to surging cancer cases, the acceptance of microscopy is growing at significant rate over the forecast period. Moreover, growing application areas of microscopy along with the integration of microscopy with spectroscopy is the major factor likely to create lucrative growth opportunities to the market growth in the forecasting years. However, high cost of advanced microscopes may act as a major restraint for the growth of global microscopy market during the forecast period.

The regional analysis of global Microscopy Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the significant research and development budgets, high availability of advanced microscopy systems and growing focus on nanotechnology in the region. However, Asia-Pacific is anticipated to exhibit highest growth rate / CAGR over the forecast period 2019-2026. Factors such as increasing application of correlative microscopy in life sciences and nanotechnology research, surging R&D funding for microscopy and the low material cost and the availability of low-cost skilled labor for OEMs would be influencing the growth of the market in the Asia-Pacific region.

Major market player included in this report are:

Carl Zeiss AG

Danaher Corporation

Thermo Fisher Scientific

Nikon Corporation

Bruker Corporation

Olympus Corporation

Oxford Instruments PLC

JEOL Ltd.

Hitachi High-Technologies

Semilab Semiconductor Physics Laboratory Co. Ltd.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key

players. The detailed segments and sub-segment of the market are explained below:

**By Product:**

Microscopes

Software

Accessories

**By Type:**

Optical Microscopes

Electron Microscopes

Scanning Probe Microscopes

Others

**By Application:**

Semiconductors

Lifesciences

Material Science

Others

**By End-User:**

Industries

Academic & Research Institutes

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

Asia Pacific

China

India

Japan

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017

Base year – 2018

Forecast period – 2019 to 2026

Target Audience of the Global Microscopy Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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