

# **North America Optical Microscopy Market by Type (Inverted Microscope, Stereo Microscope, Phase Contrast Microscope, Fluorescence Microscope, Confocal Microscope, Near Field Microscope, and Others), by Application (Semiconductors, Life Sciences, Material Sciences, Nanotechnology, and Others), and by Geography (U.S., Mexico, Canada) - Forecasts till 2019**

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## **Abstracts**

The inverted microscope, one of the types of optical microscopes, accounted for the largest market share of 35.0% in 2014 followed by stereo microscope in North America. The inverted microscope is used in research, clinical, and industrial applications. It is designed for live cell observation, epi-fluorescence and video microscopy, and in-vitro fertilization.

Optical microscopy is also known as light microscopy because it uses visible light for the detection of small objects. It is also an important tool in biological research. An optical microscope has the ability to analyze living cells and it can help a user observe a wide range of biological activity, such as intake of food, cell division, and movement. An optical microscope is the only microscope capable of real color imaging, composed of a clear lens that magnifies the sample, and uses a light source to illuminate it. Optical microscopy enables the observation of all kinds of sample systems, from gas to liquid, and solid sample systems, in any shape or geometries. Optical microscopy can be easily integrated with digital camera systems for analysis and data storage.

The purpose of this study is to analyze the North America market for optical

microscope. This report includes market size forecasts, market trends, and opportunities from 2014 to 2019. Various market segments derived on the basis of type, application, and geography have been analyzed. The main applications of this market include Semiconductors, Life Sciences, Material Sciences, Nanotechnology, and Others. The geographic analysis includes countries the U.S., Canada, and Mexico. This report also includes the key market drivers and inhibitors, along with their impact, in detail.

This report includes detailed information about the optical microscopy market by type, application, and geography. It provides Drivers and inhibitors for this along with the company profiling of optical microscopy manufacturers in the North-America market.

The North American optical sensor market is further segmented based on the geography, into the U.S., Canada, and Mexico

#### Customization Options:

Along with the market data, you can also customize the MMM assessments that are in accordance to your company's specific needs. Customize to get comprehensive industry standard and deep-dive analysis of the following parameters:

#### Product Analysis:

- Usage pattern (in-depth trend analysis) of products (segment-wise)

- Product matrix, which gives a detailed comparison of product portfolio of each company mapped at country and sub-segment level

- End-user adoption rate analysis of the products (segment-wise and country-wise)

- Comprehensive coverage of product approvals, pipeline products, and product recalls.

#### Data from Manufacturing Firms:

- Fast turn-around analysis of manufacturing firms' responses to recent market events and trends

Various firms' opinions about different applications where optical microscopys can be used

Qualitative inputs on macro-economic indicators, mergers & acquisitions in each geography.

#### Comparative Analysis:

Market data and key developments of top companies

#### Shipment/Volume Data:

Tracking the value of components shipped annually in each geography

#### Trend analysis of Application:

Application matrix, which gives a detailed comparison of application portfolio of each company, mapped in each geography

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