

# Microscopy Market worth \$5,756.0 Million by 2019

*Key players Carl Zeiss (Germany), FEI Co. (U.S.), Leica Microsystems (Danaher Corp.) (U.K.), Nikon Corporation (Japan), and Olympus Corporation (Japan).*

TEXAS, DALLAS, USA, March 18, 2015 /EINPresswire.com/ -- According to the new market research report The “Microscopy Market by Product [Optical (Fluorescence, Super-Resolution), Confocal, Electron (Transmission), Scanning (AFM)], Application (Semiconductor, Life Science, Nanotechnology) & by End User (Academic Institute, Industries) - Global Forecast to 2019”, published by MarketsandMarkets, provides a detailed overview of major drivers, restraints, challenges, opportunities, current market trends and strategies impacting the global market along with estimates and forecast of revenue.

The global Microscopy Market is poised to reach \$5,756.0 Million by 2019 from \$4,065.8 Million in 2014, at a CAGR of 7.2% from 2014 to 2019.

Factors such as rising global focus on nanotechnology, favorable government and corporate funding, and technological advancements such as super resolution microscopy, high-throughput techniques, and digitization of microscopes are driving the microscopy market. However, the high cost of advanced microscopes; implementation of excise tax by the U.S. government; and the heavy custom duty on medical devices are hindering the growth of this market.

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The Microscopy Market is segmented on the basis of product, application, end user, and region. On the basis of type of product, the Microscopy Market is broadly segmented into optical microscopes, confocal microscopes, electron microscopes, and scanning probe microscopes. The optical microscopy segment is further divided into fluorescence microscopy (FM) and super-resolution microscopy. The fluorescence microscopy segment is divided into total internal reflection fluorescence microscopy (TIRF), fluorescence resonance energy transfer (FRET), fluorescence recovery after photo-bleaching (FRAP), and fluorescence lifetime imaging microscopy (FLIM). The super-resolution microscopy is subsegmented into stochastic optical reconstruction microscopy (STORM), structured illumination microscopy (SIM), stimulated emission depletion microscopy (STED), coherent anti-strokes Raman scattering microscopy (CARS), photo-activated localization microscopy (PALM), and reversible saturable optical fluorescence transitions (RESOLFT). The confocal microscopy is segmented into multi-photon microscopy and confocal disk spinning microscopy. Electron microscopy is segmented into transmission electron microscopy (TEM) and scanning electron microscopy (SEM). The scanning probe microscopy segment is further divided into scanning tunneling microscopy (STM), atomic force microscopy (AFM), and near-field scanning optical microscopy (NSOM). The optical microscopy segment accounted for the largest share—39.5%—of the global Microscopy Market in 2014.

The microscopy applications market is categorized into semiconductors, life sciences, nanotechnology, and material science. In this market, Nanotechnology is the fastest growing application. On the basis of end users, the Microscopy Market is classified into academic institutes,

industries, and others (government research institutes and private laboratories). In this market, academic institutes are the major end users.

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On the basis of geography, the Microscopy Market is segmented into North America, Europe, Asia-Pacific, and Rest of the World (RoW). Rest of the World (RoW) is further segmented into Brazil, Argentina, Mexico and Rest of Latin America. In 2014, North America is expected to account for the largest share of the microscopy market, followed by Europe. Both markets are estimated to register single-digit growth rates over the next five years.

However, Asia-Pacific is expected to register a higher growth rate during the forecast period, owing to huge investment opportunities in this region. The growth of the Microscopy Market in the Asia-Pacific region will revolve around China, India, Australia, and countries in the Middle East. Major players operating in the Microscopy Market are Carl Zeiss (Germany), Leica Microsystems (Danaher Corp.) (U.K.), Nikon Corporation (Japan), FEI Co. (U.S.), and Olympus Corporation (Japan).

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### Contact:

Mr. Rohan

North - Dominion Plaza,

17304, Preston Road,

Suite 800, Dallas, TX 75252

Tel: +1-888-600-6441

Email: [sales@marketsandmarkets.com](mailto:sales@marketsandmarkets.com)

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Rohan

MarketsandMarkets

8886006441

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