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European Microscopy Market by Product (Optical (Fluorescence, Super-Resolution), Confocal, Electron (Transmission), Scanning (AFM)), Application (Semiconductor, Life Science, Nanotechnology), End User (Academic Institute, Industries) - Forecast to 2020

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Abstracts

Rising Focus on Nanotechnology, Technological Advancements, and Increasing Federal Support to Drive Growth of the European Microscopy Market

Developing markets in countries such as U.K., Germany are lucrative markets for microscopy, owing to favorable government incentives and corporate funding.

The report segments the European microscopy market by product, application, end user, and geography. The optical microscopy segment accounted for the largest share of the microscopy market, by product. However, the electron microscopes segment is expected to grow at the highest CAGR in the forecast period. Super-resolution microscopes are the key playing field in the microscopy product market, owing to ongoing technological advancements in this segment.

On the basis of applications, the microscopy market is categorized into semiconductors, life sciences, nanotechnology, and material science. Nanotechnology is expected to be the new revenue pocket in the application market. Rising focus on nanotechnology, favorable government and corporate funding, and technological advancements are propelling the growth of these segments.

Academic institutes are the major end user of the microscopy market, followed by

industries. The large share of this segment can be attributed to increase in research activities and favorable government funding.

New and innovative product launches was the dominant strategy adopted by key industry participants to increase their market share and cater to unmet needs.

The deviations and overlap of revenue between applications and products in a number of sources was the major challenge faced while estimating market size. This challenge was overcome by validating data through a large number of industry experts and key opinion leaders.

From an insight perspective, this research report focuses on qualitative data, market size, and growth of various segments and subsegments, competitive landscape, and company profiles. The qualitative data covers various levels of industry analysis such as market dynamics (drivers, restraints, opportunities, and threats), winning imperatives, and burning issues. The report also offers market sizes and data on the growth of various segments in the industry. It focuses on emerging and high-growth segments, high-growth regions, and initiatives of governments. The competitive landscape covers growth strategies adopted by industry players in the last three years. The company profiles comprise basic views on key players in the microscopy market and the product portfolios, developments, and strategies adopted by market players to maintain and increase their market shares in the near future. The above-mentioned market research data, current market size, and forecast of future trends will help key players and new entrants to make the necessary decisions regarding product offerings, geographical focus, change in approach, R&D investments for innovations in products and technologies, and levels of output in order to remain successful.

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About

he European microscopy market is poised to reach $1,798.4 Million by 2020 from $1,284.9 Million in 2015, at a CAGR of 7.0 % from 2015 to 2020.

Factors such as rising 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 is hindering the growth of this market.

Major players operating in the Microscopy Market are

Carl Zeiss (Germany)

Leica Microsystems (Danaher Corp.) (U.K.)

Nikon Corporation (Japan)

FEI Co. (U.S.)

It provides a detailed overview of major drivers, restraints, challenges, opportunities, current market trends and strategies impacting the European market along with estimates and forecast of revenue.

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 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.

On the basis of geography, the microscopy market is segmented into U.K, Germany, France, Spain, Italy, The Netherlands, Sweden and Rest of Europe (RoE) . In 2014, U.K accounted for the largest share of the microscopy market, followed by Germany. Both markets are estimated to register single-digit growth rates over the next five years.

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