

# **Microscopy Market by Product (Microscopes, Software), Type [Optical (Compound, Digital), Electron (SEM, TEM), Scanning Probe (AFM, STM)], Application (Research, Material), and End User (Electronics, Healthcare, F&B, Academic) - Forecast to 2028**

<https://marketpublishers.com/r/M207B4F71429EN.html>

Date: September 2021

Pages: 280

Price: US\$ 4,175.00 (Single User License)

ID: M207B4F71429EN

## **Abstracts**

Microscopy Market by Product (Microscopes, Software), Type [Optical (Compound, Digital), Electron (SEM, TEM), Scanning Probe (AFM, STM)], Application (Research, Material), and End User (Electronics, Healthcare, F&B, Academic) - Global Forecast to 2028

The global microscopy market is expected to grow at a CAGR of 4.2% from 2021 to 2028 to reach \$11.71 billion by 2028

Following a thorough secondary and primary research and in-depth analysis of the market scenario, the report carries out the key industry drivers, restraints, challenges, and opportunities. The growth in the microscopy market is mainly attributed to the high demand for advanced magnification devices across industries, technological advancements in microscopes, encouraging funding scenario for R&D in microscopy, rising applications of regenerative medicine and nanotechnology, and increasing academia-industry collaborations. Further, significant opportunities for existing market players and new entrants include emerging markets such as China and India. These are increasing microscopy applications in various fields, increasing attention towards nanotechnology, rising globalization, and integrating microscopy with spectroscopy.

Based on product, the software segment is expected to show the fastest growth rate in the forecast period. Factors attributing to this segment's growth include the rising relevance of microscopy in various industries, technological innovations in microscopy

software, rising demand for 3D analysis in materials and life science research, and growing utilization of microscopy in emerging economies.

Based on type, the electron microscopes segment is expected to show the fastest growth rate in the forecast period. Factors attributing to this segment's growth include increasing utilization of electron microscopy in industries for particle analysis and quality checks, rising demand for 3D analysis in materials and life science research, and increasing application of nanotechnology in industries.

Based on application, the material analysis segment is expected to show the fastest growth rate in the forecast period. Factors contributing to this segment's growth include technological innovations in microscopy, high demand for advanced magnification devices in material sciences research, and promising support from governments to promote nanotechnology and nanoscience research.

Based on end user, the industries segment is expected to show the fastest growth rate in the forecast period. Factors contributing to this segment's growth include high utilization microscopes for qualitative and quantitative analysis in the semiconductor industry, growing pharmaceutical sales globally, rising prevalence of infectious diseases globally, and rising inclination towards processed foods.

An in-depth analysis of the geographical scenario of the microscopy market provides detailed qualitative and quantitative insights about the five major geographies (North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa) along with the coverage of major countries in each region. North America is estimated to command the largest share of the global microscopy market in 2021, followed by Asia-Pacific and Europe.

The key players operating in the global microscopy market are CARL ZEISS AG (Germany), Nikon Corporation (Japan), Bruker Corporation (U.S.), Olympus Corporation (Japan), JEOL Ltd. (Japan), Danaher Corporation (U.S.), Hitachi High-Tech Corporation (Japan), Thermo Fisher Scientific Inc. (U.S.), Oxford Instruments plc (U.K.), Accu-Scope Inc. (U.S.), Meiji Techno Co., Ltd. (Japan), and Labomed, Inc. (U.S.).

Scope of the Report

Global Microscopy Market, by Product

Microscopes

*Microscopy Market by Product (Microscopes, Software), Type [Optical (Compound, Digital), Electron (SEM, TEM),...*

Accessories

Software

## Global Microscopy Market, by Type

Electron Microscopes

Scanning Electron Microscopes

Transmission Electron Microscopes

Optical Microscopes

Compound Microscopes

Stereo Microscopes

Confocal Microscopes

Digital Microscopes

Inverted Microscopes

Other Optical Microscopes

Scanning Probe Microscopes

Atomic Force Microscopes

Scanning Tunneling Microscopes

Near-Field Scanning Optical Microscopes

Other Microscopes

## Global Microscopy Market, by Application

Research Applications

Diagnostics Applications

Surgical Applications

Material Analysis

Quality Assurance & Quality Check

## Global Microscopy Market, by End User

Industries

Electronics and Semiconductor Industry

Healthcare Industry

Food & Beverages Industry

Other Industries

Academic & Research Institutes

Other End Users

## Global Microscopy Market, by Geography

North America

U.S.

Canada

Europe

Germany

U.K.

France

Italy

Spain

Rest of Europe (RoE)

Asia-Pacific (APAC)

China

Japan

India

Rest of APAC (RoAPAC)

Latin America

Middle East & Africa

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