

Global Electron Microscopes Market - Forecasts from 2020 to 2025

<https://marketpublishers.com/r/G557EAB366D9EN.html>

Date: February 2020

Pages: 119

Price: US\$ 3,950.00 (Single User License)

ID: G557EAB366D9EN

Abstracts

Global electron microscopes market is projected to grow at a CAGR of 6.42% during the forecast period, to reach a market size of US\$3.484 billion in 2025 from US\$2.399 billion in 2019. The global electron microscopes market is witnessing a healthy growth due to the requirement of advanced and magnified image output of objects up to several nanometers. In comparison to the optical microscope, an electron microscope generates much magnified and detailed output. An electron microscope uses an electron-optical lens that helps in generating a magnified image of an object up to 10,000,000x on a shorter wavelength. A major application of an electron microscope is to gather information about microorganisms, cells, biopsy samples, etc. Its application in the healthcare industry has boosted the market. An electron microscope is used in other appliances such as for material research, data storage, and Biology & life Science.

Market Drivers

Electron Microscope market is driven by its ability to showcase higher and refining images, to magnify an object to several nanometers. It has also helped in increasing the demand for nanotechnology. Semiconductors also use an electron microscope for inspection of small size semiconductors like wafers. In the field of circuit edit and analyzing circuit failure. The electron microscope is used in the polymer industry, agriculture, nanotechnology, and atomic studies. The integration of advanced display modalities like high definition and 3-Dimensional will increase the demand for an electron microscope market. Growing applications in life sciences and chemistry will boost the electron microscope market. A microscope can be also used for the characterization of materials, to study their internal structures and for other related applications.

By Geography

Regionally the electron microscopes market is classified into North America, South America, Europe, Middle East, and Africa, and the Asia Pacific. The report also analyses major countries across these regions with complete analysis and forecast along with prevailing market trends and opportunities which each of these countries present for the manufacturers. Developing countries to see substantial growth due to the rise in the medical tourism industry and developing healthcare infrastructure. Increasing research and development in an electron microscope will further increase its demand in developing countries.

Segmentation

The global electron microscopes market is segmented by product type, application, and geography.

By Product Type

Scanning Electron Microscope

Transmission Electron Microscope

Reflection Electron Microscope

By Application

Material Sciences

Lifesciences

Nanotechnology

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

Israel

UAE

Others

Asia Pacific

China

Japan

South Korea

India

Others

Contents

1. INTRODUCTION

- 1.1. Market Definition
- 1.2. Market Segmentation

2. RESEARCH METHODOLOGY

- 2.1. Research Data
- 2.2. Assumptions

3. EXECUTIVE SUMMARY

- 3.1. Research Highlights

4. MARKET DYNAMICS

- 4.1. Market Drivers
- 4.2. Market Restraints
- 4.3. Porters Five Forces Analysis
 - 4.3.1. Bargaining Power of Suppliers
 - 4.3.2. Bargaining Power of Buyers
 - 4.3.3. Threat of New Entrants
 - 4.3.4. Threat of Substitutes
 - 4.3.5. Competitive Rivalry in the Industry
- 4.4. Industry Value Chain Analysis

5. GLOBAL ELECTRON MICROSCOPES MARKET ANALYSIS, BY PRODUCT TYPE

- 5.1. Introduction
- 5.2. Scanning Electron Microscope
- 5.3. Transmission Electron Microscope
- 5.4. Reflection Electron Microscope

6. GLOBAL ELECTRON MICROSCOPES MARKET ANALYSIS, BY APPLICATION

- 6.1. Introduction
- 6.2. Material Sciences

6.3. Lifesciences

6.4. Nanotechnology

7. GLOBAL ELECTRON MICROSCOPES MARKET ANALYSIS, BY GEOGRAPHY

7.1. Introduction

7.2. North America

7.2.1. USA

7.2.2. Canada

7.2.3. Mexico

7.3. South America

7.3.1. Brazil

7.3.2. Argentina

7.3.3. Others

7.4. Europe

7.4.1. Germany

7.4.2. France

7.4.3. United Kingdom

7.4.4. Spain

7.4.5. Others

7.5. Middle East and Africa

7.5.1. Saudi Arabia

7.5.2. Israel

7.5.3. UAE

7.5.4. Others

7.6. Asia Pacific

7.6.1. China

7.6.2. Japan

7.6.3. South Korea

7.6.4. India

7.6.5. Others

8. COMPETITIVE ENVIRONMENT AND ANALYSIS

8.1. Major Players and Strategy Analysis

8.2. Emerging Players and Market Lucrativeness

8.3. Mergers, Acquisitions, Agreements, and Collaborations

8.4. Vendor Competitiveness Matrix

9. COMPANY PROFILES

- 9.1. Nikon Metrology Inc.
- 9.2. Nikon Metrology Inc.
- 9.3. ZEISS Germany
- 9.4. Thermo Fischer Scientific
- 9.5. Joel Ltd.
- 9.6. Tescan Osray Holdings A.S
- 9.7. Hitachi High-Technologies Corporation
- 9.8. Hirox Europe Ltd.
- 9.9. COXEM CO., Ltd

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