

The Scanning Electron Microscope Market is expected to reach \$2,398 million by 2023 at a CAGR of 4.5%

Asia Pacific will dominate the Scanning Electron Microscope Market during the forecast period and expected to reach \$ 1069.33 million by 2023 at CAGR of 5.7%.

HYDERABAD, TELANGANA, INDIA, June 14, 2018 /EINPresswire.com/ -- According to the new market research report by [IndustryARC](#) titled "Scanning Electron Microscope Market By Industry Vertical (Semiconductor, Life Sciences, Materials Science, Manufacturing and Others); By Geography -Forecast (2018-2023)", the market is driven by the growing demand for nano-based research of structures and components across different industries.



Asia Pacific to dominate the Scanning Electron Microscope Market

Asia Pacific will dominate the Scanning Electron Microscope Market during the forecast period. It is expected to reach \$ 1069.33 million by 2023 at a CAGR of 5.7%. In China, there are investment opportunities in Nanotechnology, materials, and life sciences. This factor will drive the demand for scanning electron microscopes in China. These instruments are used in the semiconductor industry for improving the quality of the products. South Korea is another growing economy for scanning electron microscopes. Increasing number of production firms of the electronic manufacturers provide numerous opportunities for these devices. Advancements in the medical technology also propel the growth of the SEMs in South Korea. Increasing number of SEM manufacturers in Japan will increase the demand for electron microscopes.

Selected Analysis done in the full Report:

The semiconductor segment has the largest share in the Scanning Electron Microscope Market. In 2017, it reached revenue of \$824 million. It is expected to reach \$1046.48 million by 2023 at a CAGR of 3.6%. The semiconductor industry integrates high density logic devices. As a result, new technologies such as 3D ICs are developed that can integrate the extensive functionality into small power consumption devices. These circuits need more sophisticated devices for development and inspection to reach the desired goal. SEM is mainly used for inspecting the semiconductor material and devices. The scanning electron microscope is also used for chemical analysis in the energy storage systems such as Li-ion batteries. Hence, technological advancement in the semiconductor industry has spurred the demand for SEM market in the coming years.

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Excerpts on Market Growth Factors

Growth of the nanotechnology centres will drive the need for microscopes for characterization

and prototyping. This factor in turn elevates the demand for the scanning electron microscopes.

Growth of research and development activities in semiconductors and pharmaceutical industries are expected to drive the demand for the scanning electron microscope. Use of these microscopes in lithography and coating also enhance the demand for the Scanning Electron Microscope Market.

The need to analyse three dimensional images has spurred the demand for the scanning electron microscopes.

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Key players of the Scanning Electron Microscope Market

Hitachi High Technologies, Corp and JEOL, Ltd will dominate the Scanning Electron Microscope Market. Carl Zeiss AG has the third largest share, followed by FEI Company. Hitachi high Technologies manufacture, installs, and maintains semiconductor related equipment. It also manufactures railway inspection equipment. Jeol provides transmission electron microscope, scanning electron microscope, specimen preparation equipment, electron probe microanalyzer. Carl Zeiss AG manufactures optical systems and medical devices.

Scanning Electron Microscope Market is segmented as below

Growth of R&D activities in industries such as semiconductor and pharmaceutical industries will drive the demand for the Scanning Electron Microscope Market.

A. Scanning Electron Microscope Market By Industry Verticals

1. Semiconductor
2. Material Science
3. Lifescience
4. Manufacturing
5. Others

B. Scanning Electron Microscope Market by Geography (covers 14+ countries)

C. Scanning Electron Microscope Market Entropy

Companies Cited / Interviewed

1. JEOL LTD.
2. KEYSIGHT TECHNOLOGIES INC
3. PEMTRON CORP
4. NIKON CORPORATION
5. HITACHI HIGH-TECHNOLOGIES CORPORATION
6. FEI COMPANY
7. DELONG AMERICA INC.
8. TESCAN
9. OLYMPUS CORPORATION
10. CARL ZEISS MEDITEC AG
11. ADVANTEST CORPORATION
12. B-NANO LTD
13. PHENOM-WORLD
14. Company 14

15.Company 15+

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B.Multiple Ion Beam Microscopes Market

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What can you expect from the report?

The Scanning Electron Microscope Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories & Application
2. Market trends & Relevant Market Data
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments Analysis
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (Revenue & Volume)
12. Country level Analysis
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape
19. Opportunity Analysis
20. Revenue and Volume Analysis

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We look forward to support the client to be able to better address their customer needs, stay ahead in the market, become the top competitor and get real-time recommendations on business strategies and deals. Contact us to find out how we can help you today.

Venkat Reddy
IndustryARC
6145888538
email us here

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