Microscopes Market Size, Market Share, Application Analysis, Regional Outlook, Growth Trends, Competitive Scenario And Forecasts, 2012 To 2020

Description: Industry Insights

Semiconductor device manufacturing requires microscopes for procedures such as lithography, coating, failure analysis and detection. Semiconductor industry is growing at a rapid pace in nations such as India and China, key reason for this growth is the continuous transfer electric equipment manufacturing in the region. According to PricewaterhouseCoopers in 2014 China has over 80% world's market share for mobile phones, 62% for personal computers, and 56% for colour TVs. Furthermore, Indian Electronics System Design and Manufacturing (ESDM) industry is expected to grow at a CAGR of 9.9% to reach at USD 94.2 Billion by 2015. These factors are expected to serve microscopes market as high impact rendering drivers. The global sales in semiconductor industry were about USD 300 billion in 2012 and are expected to rise during the forecast period owing to the rapid growth of demand in electronic and renewable energy industries. However, high prices and operating cost related to advanced microscopes is expected to restraint market growth during the forecast period.

Microscopes market is dominated by few market players such as Leica Microsystems, Olympus Corporation, Carl Zeiss and Nikon Corporation. Olympus Corporation was the global leader in optical microscopes in 2013 with a market share of 34.0%. Its market leadership was attributed to several factors such as strong focus on continuous development of differentiated devices for life sciences and industrial uses. Some latest microscopes launched include DSX Series of opto-digital device and IPLEX UltraLite industrial handheld Videoscope.

Product Insights

Optical microscopes dominated the overall market in terms of share in 2013 at over 40.0%. Increasing demand for digital devices in the fields of biology, medicines and life sciences is one of the major factors attributing to its large share. Optical devices segment includes inverted, phase contrast, confocal scanning, fluorescence, near field scanning and stereomicroscope products. Inverted microscope sub-segment held the largest share in 2013. Increasing high usage rates in various applications such as micromanipulation and metallurgy is expected to drive the microscopes market growth during the forecast period.

Application Insight

Increasing global focus on R&D for applications such as neurosciences, material sciences, life sciences, nanotechnology, and semiconductor industry would increase the adoption rate for advanced devices such as scanning probe and analytical electron microscopes. Life sciences held the largest share in terms of revenue in 2013. Increasing R&D spending and high usage rates for drug discovery and development are two factors attributing to its large share. However, the nanotechnology applications market is expected to show the fastest CAGR at over 12.0% from 2014 to 2020. Presence of initiatives such as the National Nanotechnology Initiative (NNI) and the growing number of R&D exercises targeted at the use of nanotechnology as a discovery and manufacturing tool are some high impact rendering drivers of this market.

Regional Insights

Asia Pacific dominated the microscopes market in terms of revenue share in 2013 owing to rising industrialization rates in countries such as China and India and the presence of extensive nanotechnology associated R&D investments are some key drivers of this market. Increasing usage rates in non-commercial institutions such as research laboratories and universities is expected to drive the market. Japan is the largest provider, with four among the top 12 companies based in Tokyo. The Japanese manufacturers have also pioneered various modifications of optical devices and provide customized design in compliance with the client's requirements. China is the world's largest exporter of computer components, thus, has a high demand for microscopes. Semiconductor market growth was majorly attributed to local manufacturing of telecommunication equipment by OEM and EMS companies. Increasing growth of semiconductor industry in this region is expected to drive the microscopes market.
Table of Contents

Chapter 1. Executive Summary

Chapter 2. Microscopes Industry Outlook
2.1. Market Segmentation
2.2. Market Size and Growth Prospects
2.3. Microscopes – Market dynamics
2.3.1. Market Driver Analysis
2.3.2. Market Restraint Analysis
2.4. Key Opportunities Prioritized
2.5. Microscopes – PESTEL Analysis
2.6. Microscopes company market share analysis, 2013
2.6.1. Optical microscopes company market share analysis, 2013
2.6.2. Electron microscopes company market share analysis, 2013

Chapter 3. Microscopes Product Outlook
3.1. Microscopes Revenue Share by Product, 2013 & 2020
3.2. Optical Microscopes Revenue Estimates and Forecasts, 2012 – 2020
3.2.1. Inverted Microscopes Market Estimates and Forecasts, 2012 – 2020
3.2.2. Stereomicroscope Market Estimates and Forecasts, 2012 – 2020
3.2.3. Phase Contrast Microscopes Market Estimates and Forecasts, 2012 – 2020
3.2.4. Fluorescence Microscopes Market Estimates and Forecasts, 2012 – 2020
3.2.7. Others Market Estimates and Forecasts, 2012 – 2020

Chapter 4. Microscopes Application Outlook
4.1. Microscopes Revenue Share by Application, 2013 & 2020

Chapter 5. Microscopes Regional Outlook
5.1. Microscopes Revenue Share by Region, 2013 & 2020
5.2. North America
5.3. Europe
5.3.2. Market Estimates and Forecasts, by Application, 2012 – 2020
5.4. Asia Pacific
5.5. RoW
5.5.2. Market Estimates and Forecasts, by Application, 2012 – 2020

Chapter 6. Competitive Landscape
6.1. Revenue Analysis
6.2. Product Benchmarking
6.3. Strategic Development

Chapter 7. Methodology and Scope
7.1. Research Methodology
7.2. Research Scope & Assumptions
7.3. List of Data Sources

Companies analyzed in the competitive landscape
1. Leica Microsystems
2. Hitachi High Technologies Corporation
3. Carl Zeiss
4. FEI Company
5. Olympus Corporation
6. CAMECA SAS
7. Danish Micro Engineering
8. Bruker Corporation
9. NT-MDT Company

List of Tables

1. Microscopes – Industry summary & Critical Success Factors (CSFs)
5. Microscopes Market – Key market driver analysis
6. Microscopes – Key market restraint analysis
15. Asia Pacific Microscopes Market, by Product, 2012 – 2020 (USD Million)
17. Asia Pacific Optical Microscopes Market, by Product, 2012 – 2020 (USD Million)
18. Asia Pacific Microscopes Market, by Application, 2012 – 2020 (USD Million)
22. RoW Microscopes Market, by Application, 2012 – 2020 (USD Million)

List of Figures

1. Microscopes: Market Segmentation
2. Global microscopes market, 2012 – 2020 (USD Million)
3. Microscopes Market Dynamics
4. Key Opportunities Prioritized
5. Microscopes Market – Porter’s Analysis
6. Microscopes Market – PESTEL Analysis
7. Optical microscopes company market share analysis, 2013
8. Electron microscopes company market share analysis, 2013
9. Microscopes revenue share by product, 2013 & 2020
17. Global other optical microscopes market, 2012 – 2020 (USD Million)
18. Global electron microscopes market, 2012 – 2020 (USD Million)
20. Global scanning electron microscopes market, 2012 – 2020 (USD Million)
22. Global other microscopes market, 2012 – 2020 (USD Million)
23. Microscopes revenue share by application, 2013 & 2020
24. Global microscopes for material sciences market, 2012 – 2020 (USD Million)
25. Global microscopes for nanotechnology market, 2012 – 2020 (USD Million)
27. Global microscopes for semiconductors market, 2012 – 2020 (USD Million)
28. Global microscopes for other applications market, 2012 – 2020 (USD Million)
29. Microscopes revenue share by region, 2013 & 2020
31. Europe microscopes market, 2012 – 2020 (USD Million)
32. Asia Pacific microscopes market, 2012 – 2020 (USD Million)
33. RoW Microscopes Market, 2012 – 2020 (USD Million)

Ordering:

Order Online - http://www.researchandmarkets.com/reports/3067737/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Microscopes Market Size, Market Share, Application Analysis, Regional Outlook, Growth Trends, Competitive Scenario And Forecasts, 2012 To 2020
Web Address: http://www.researchandmarkets.com/reports/3067737/
Office Code: SCH3N6T1

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td>USD 4700</td>
</tr>
<tr>
<td>Hard Copy</td>
<td>USD 6500 + USD 58 Shipping/Handling</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td>USD 8000</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td>USD 10500</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ____________________________________________ Last Name: _______________________________________
Email Address: * _______________________________________
Job Title: ____________________________________________
Organisation: _________________________________________
Address: ____________________________________________
City: ________________________________________________
Postal / Zip Code: __________________________________
Country: ____________________________________________
Phone Number: _______________________________________
Fax Number: _________________________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: 

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World