Nanoparticle Analysis Market by Technology, Analysis Type (Size, Zeta Potential, Weight, Flow properties), End-user (Pharmaceutical & Biopharmaceutical Companies, Academic Research Institutions) - Global Forecast to 2020

Description: The global nanoparticle analysis market is estimated to grow at a CAGR of 5.4% from 2015 to 2020. Although mature markets (such as the U.S., Germany, and the U.K.) hold larger shares in the nanoparticle analysis market in 2015, the Asia-Pacific region is poised to grow at the highest rate in the next five years. The high growth in this regional segment is majorly attributed to the increasing number of nanotechnology related life science research and development activities and growing initiatives by governments. The growing number of research studies in the field of nanotechnology is expected to propel the market for analysis instruments, thus providing an indirect impetus to the nanoparticle analysis market. In addition, the rising number of conferences and events in Asian countries are further increasing awareness about the newly developed technologically advanced nanoparticle analysis instruments in the emerging Asian countries.

The growth of the global nanoparticle analysis market is driven by factors such as rising focus on nanotechnology research, continuous advancements in nanoparticle analysis technologies, and increasing government funding on pharmaceutical R&D in emerging nations. In addition, requirement of less sample volume and sample preparation by newly developed analytical technologies, strong mergers and acquisitions, stringent regulatory guidelines for approval of medical products, and increasing number of conferences and events leading to growing awareness about nanoparticle analysis technologies are offering new growth opportunities for the manufacturers of nanoparticle analysis instruments. Nonetheless, high cost of nanoparticle analysis instruments is one of the key challenges faced by the market players.

In this report, the nanoparticle analysis market has been segmented on the basis of technology (covering dynamic light scattering (DLS), microscopy, nanoparticle tracking analysis (NTA), laser diffraction, X-ray diffraction (XRD), resonant mass measurement, and other technologies), by type of analysis (including particle size, particle concentration, zeta potential, molecular structure, particle shape, molecular weight, and flow properties), by type of end-user (including pharmaceutical and biopharmaceutical companies, academic research institutions, public and private research institutions, and medical device companies), and by region (North America, Europe, Asia-Pacific, and Rest of the World). The pharmaceutical and biopharmaceutical companies segment is estimated to account for the largest share of the global nanoparticle analysis market by end-user in 2015. This is attributed to the increased application of nanotechnology in drug development and drug delivery processes.

Geographically, North America (comprising the U.S. and Canada) is expected to command the largest share of the global nanoparticle analysis market in 2015, followed by Europe. A number of factors such as the large number of ongoing clinical trials in the U.S., presence of a large number of pharmaceutical and biopharmaceutical companies, increasing research and development activities related to nanoparticles, and growing number of conferences are contributing to the growth of the North American nanoparticle analysis market. However, with growing trend of outsourcing of pharmaceutical R&D activities to Asian and Latin American countries is limiting the growth of nanoparticle analysis market in North America.

The global nanoparticle analysis market is competitive with a large number of global and local developers and suppliers of nanoparticle analysis instruments. As of 2014, Malvern Instruments Ltd (U.K.) held the leadership position in the global nanoparticle analysis market. New product launches, product enhancements, partnerships, agreements, collaborations, acquisitions, and geographic expansions were the major strategies adopted by most of the market players between 2013 and 2015 to achieve growth in the nanoparticle analysis market.

Reasons to Buy the Report:

From an insight perspective, this research report is focused on various levels of analysis —market share analysis of top players, and company profiles, which together comprise and discuss basic views on the competitive landscape, emerging and high-growth segments of the nanoparticle analysis market, high-
growth regions and their respective drivers, restraints, challenges, and opportunities.

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help firms in garnering a greater market share. Firms purchasing the report could use any one or combination of the below mentioned four strategies (market penetration, product development/innovation, market development, and competitive assessment) for strengthening their market share.

The report provides insights on the following pointers:

- Market Penetration: Comprehensive information on nanoparticle analysis instruments and technologies offered by the top 10 players in the nanoparticle analysis market. The report analyzes the nanoparticle analysis market by technology, type of analysis, and end-user, across four geographies

- Product Development/Innovation: Detailed insights on current and upcoming technologies, research and development activities, product enhancements, and new product launches in the nanoparticle analysis market

- Market Development: Comprehensive information about lucrative emerging markets. The report analyzes the markets for various nanoparticle analysis technologies and instruments across four geographies

- Competitive Assessment: In-depth assessment of market shares, strategies, products, and distribution networks of leading players in the nanoparticle analysis market

Contents:

1 Introduction
  1.1 Objectives of the Study
  1.2 Market Definition
  1.3 Market Scope
    1.3.1 Markets Covered
    1.3.2 Years Considered for the Study
  1.4 Currency
  1.5 Limitations
  1.6 Stakeholders

2 Research Methodology
  2.1 Research Data
    2.1.1 Secondary Data
      2.1.1.1 Key Data From Secondary Sources
    2.1.2 Primary Data
      2.1.2.1 Breakdown of Primaries
      2.1.2.2 Key Data From Primary Sources
      2.1.2.3 Key Industry Insights
    2.2 Market Size Estimation
      2.2.1 Bottom-Up Approach
      2.2.2 Top-Down Approach
    2.3 Market Breakdown and Data Triangulation
    2.4 Research Assumptions

3 Executive Summary
  3.1 Introduction
  3.2 Current Scenario
  3.3 Future Outlook
  3.4 Conclusion

4 Premium Insights
  4.1 Nanoparticle Analysis Market Overview
  4.2 Market Growth Rate, By Technology and Region (2015-2020)
  4.3 Market, By Analysis Type, 2015 (USD Thousand)
  4.4 Market, By End User and Region, 2015 (USD Thousand)

5 Market Overview
  5.1 Introduction
5.2 Market Segmentation
5.3 Market Dynamics
5.3.1 Drivers
5.3.1.1 Rising Focus on Nanotechnology Research
5.3.1.2 Continuous Advancements in Nanoparticle Analysis Technologies
5.3.1.3 Increasing Government Spending on Pharmaceutical R&D in Emerging Nations
5.3.1.4 Funding Sources Increase the Purchasing Power of Major Research Institutions
5.3.2 Restraints
5.3.2.1 High Cost of Nanoparticle Analysis Instruments
5.3.2.2 Analysis of All Types of Nanoparticle Properties By A Single Technology
5.3.3 Opportunities
5.3.3.1 Requirement of Less Sample Volume and Sample Preparation
5.3.3.2 Compliance With Regulatory Requirements
5.3.3.3 Increasing Number of Conferences and Events Leading to Growing Awareness About Nanoparticle Analysis Technologies
5.3.4 Challenges
5.3.4.1 Measurement of A Wider Size Range of Nanoparticles
5.3.4.2 Global Reach of Market Players

6 Nanoparticle Analysis Market, By Technology
6.1 Introduction
6.2 Dynamic Light Scattering
6.3 Laser Diffraction
6.4 Nanoparticle Tracking Analysis
6.5 Resonant Mass Measurement
6.6 Microscopy
6.6.1 Transmission Electron Microscopy
6.6.2 Scanning Electron Microscopy
6.6.3 Atomic Force Microscopy
6.7 X-Ray Diffraction
6.8 Other Technologies
6.8.1 Nanoparticle Surface Area Monitor
6.8.2 Differential Mobility Analyzer
6.8.3 Scanning Mobility Particle Sizer
6.8.4 Condensation Particle Counter

7 Nanoparticle Analysis Market, By Type of Analysis
7.1 Introduction
7.2 Particle Size Analysis
7.3 Particle Concentration Analysis
7.4 Zeta Potential Analysis
7.5 Molecular Structure Analysis
7.6 Particle Shape Analysis
7.7 Molecular Weight Analysis
7.8 Flow Property Analysis

8 Nanoparticle Analysis Market, By End User
8.1 Introduction
8.2 Pharmaceutical and Biopharmaceutical Companies
8.3 Academic Research Institutions
8.4 Public and Private Research Institutions
8.5 Medical Device Companies

9 Nanoparticle Analysis Market, By Region
9.1 Introduction
9.2 North America
9.2.1 U.S.
9.2.2 Canada
9.3 Europe
9.3.1 Germany
9.3.2 U.K.
9.3.3 France
9.3.4 Rest of Europe
9.4 Asia-Pacific
9.4.1 Japan
9.4.2 China
9.4.3 India
9.4.4 Rest of Asia-Pacific
9.4.5 Rest of the World

10 Competitive Landscape
10.1 Overview
10.2 Market Share Analysis
10.3 Competitive Situation and Trends
10.3.1 New Product Launches and Product Enhancements
10.3.2 Product Showcases
10.3.3 Agreements, Partnerships, and Collaborations
10.3.4 Acquisition
10.3.5 Expansion
10.3.6 Other Strategies

11 Company Profile
11.1 Introduction
11.2 Malvern Instruments Ltd (A Subsidiary of Spectris PLC)
11.2.1 Business Overview
11.2.2 Products Offered
11.2.3 Recent Developments
11.2.4 MnM View
11.3 Horiba, Ltd.
11.3.1 Business Overview
11.3.2 Products Offered
11.3.3 Recent Developments
11.3.4 MnM View
11.4 Danaher Corporation
11.4.1 Business Overview
11.4.2 Products Offered
11.4.3 Recent Developments
11.4.4 MnM View
11.5 Shimadzu Corporation
11.5.1 Business Overview
11.5.2 Products Offered
11.5.3 Recent Developments
11.5.4 MnM View
11.6 Agilent Technologies, Inc.
11.6.1 Business Overview
11.6.2 Products Offered
11.6.3 Recent Developments
11.6.4 MnM View
11.7 Bruker Corporation
11.7.1 Business Overview
11.7.2 Products Offered
11.7.3 Recent Developments
11.8 Hitachi, Ltd
11.8.1 Business Overview
11.8.2 Products Offered
11.8.3 Recent Developments
11.8.4 MnM View
11.9 Jeol Ltd.
11.9.1 Business Overview
11.9.2 Products Offered
11.9.3 Recent Developments
11.10 Microtrac, Inc. (An Affiliate of Nikkiso Co., Ltd.)
11.10.1 Business Overview
11.10.2 Products Offered
11.10.3 Recent Developments
11.11 TSI Incorporated
11.11.1 Business Overview
11.11.2 Products Offered
11.11.3 Recent Developments
11.12 Wyatt Technology Corporation
11.12.1 Business Overview
11.12.2 Products Offered
11.12.3 Recent Developments

12 Appendix
12.1 Discussion Guide*
12.2 Other Developments
12.2.1 Malvern Instruments Ltd
12.2.2 Shimadzu Corporation
12.2.3 Agilent Technologies, Inc.
12.2.4 Hitachi, Ltd.
12.2.5 Bruker Corporation
12.2.6 Microtrac, Inc.
12.3 Introducing RT: Real-Time Market Intelligence
12.4 Available Customizations
12.5 Related Reports

List of Tables:
Table 1 Nanoparticle Analysis Market Size, By Technology, 2013-2020 (USD Thousand)
Table 2 Market Size, By Region, 2013-2020 (USD Thousand)
Table 3 North America Market Size, By Country, 2013-2020 (USD Thousand)
Table 4 Europe Market Size, By Country, 2013-2020 (USD Thousand)
Table 5 Asia-Pacific Market Size, By Country, 2013-2020 (USD Thousand)
Table 6 Dynamic Light Scattering Market Size, By Region, 2013-2020 (USD Thousand)
Table 7 North America Dynamic Light Scattering Market Size, By Country, 2013-2020 (USD Thousand)
Table 8 Europe Dynamic Light Scattering Market Size, By Country, 2013-2020 (USD Thousand)
Table 9 Asia-Pacific Dynamic Light Scattering Market Size, By Country, 2013-2020 (USD Thousand)
Table 10 Laser Diffraction Market Size, By Region, 2013-2020 (USD Thousand)
Table 11 North America Laser Diffraction Market Size, By Country, 2013-2020 (USD Thousand)
Table 12 Europe Laser Diffraction Market Size, By Country, 2013-2020 (USD Thousand)
Table 13 Asia-Pacific Laser Diffraction Market Size, By Country, 2013-2020 (USD Thousand)
Table 14 Nanoparticle Tracking Analysis Market Size, By Region, 2013-2020 (USD Thousand)
Table 15 North America Nanoparticle Tracking Analysis Market Size, By Country, 2013-2020 (USD Thousand)
Table 16 Europe Nanoparticle Tracking Analysis Market Size, By Country, 2013-2020 (USD Thousand)
Table 17 Asia-Pacific Nanoparticle Tracking Analysis Market Size, By Country, 2013-2020 (USD Thousand)
Table 18 Resonant Mass Measurement Market Size, By Region, 2013-2020 (USD Thousand)
Table 19 North America Resonant Mass Measurement Market Size, By Country, 2013-2020 (USD Thousand)
Table 20 Europe Resonant Mass Measurement Market Size, By Country, 2013-2020 (USD Thousand)
Table 21 Asia-Pacific Resonant Mass Measurement Market Size, By Country, 2013-2020 (USD Thousand)
Table 22 Microscopy Market Size, By Type, 2013-2020 (USD Thousand)
Table 23 Microscopy Market Size, By Region, 2013-2020 (USD Thousand)
Table 24 North America Microscopy Market Size, By Country, 2013-2020 (USD Thousand)
Table 25 Europe Microscopy Market Size, By Country, 2013-2020 (USD Thousand)
Table 26 Asia-Pacific Microscopy Market Size, By Country, 2013-2020 (USD Thousand)
Table 27 Transmission Electron Microscopy Market Size, By Region, 2013-2020 (USD Thousand)
Table 29 Europe Transmission Electron Microscopy Market Size, By Country, 2013-2020 (USD Thousand)
Table 31 Scanning Electron Microscopy Market Size, By Region, 2013-2020 (USD Thousand)
Table 33 Europe Scanning Electron Microscopy Market Size, By Country, 2013-2020 (USD Thousand)
Table 35 Atomic Force Microscopy Market Size, By Region, 2013-2020 (USD Thousand)
Table 37 Europe Atomic Force Microscopy Market Size, By Country, 2013-2020 (USD Thousand)
Table 38 Asia-Pacific Atomic Force Microscopy Market Size, By Country, 2013-2020 (USD Thousand)
Table 39 X-Ray Diffraction Market Size, By Region, 2013-2020 (USD Thousand)
Table 40 North America X-Ray Diffraction Market Size, By Country, 2013-2020 (USD Thousand)
Table 84 Nhmr (National Health and Medical Research Council) Funding for Nanotechnology Research (2000-2013)
Table 85 Roapac: Nanoparticle Analysis Instrumentation Market Size, By Technology, 2013-2020 (USD Thousand)
Table 86 Rest of the World: Nanoparticle Analysis Market Size, By Technology, 2013-2020 (USD Thousand)
Table 87 Top 5 New Product Launches and Product Enhancements, 2013-2015
Table 88 Top 5 Product Showcases, 2013-2015
Table 89 Top 5 Agreements, Partnerships, and Collaborations, 2013-2015
Table 90 Top 5 Acquisitions, 2013-2015
Table 91 Top 5 Expansions, 2013-2015
Table 92 Top 5 Other Strategies, 2013-2015

List of Figures:
Figure 1 Research Design
Figure 2 Breakdown of Supply-Side Primary Interviews: By Company Type, Designation, and Region
Figure 3 Nanoparticle Analysis Market: Bottom-Up Approach
Figure 4 Nanoparticle Analysis Market: Top-Down Approach
Figure 5 Nanoparticle Analysis Market: Data Triangulation
Figure 6 Global Nanoparticle Analysis Market, By Technology, 2015 (USD Thousand)
Figure 7 Global Nanoparticle Analysis Market, By Technology, 2015 vs 2020
Figure 8 Global Nanoparticle Analysis Market, By Type of Analysis, 2015 vs 2020
Figure 9 Global Nanoparticle Analysis Market, By Region, 2015 (USD Thousand)
Figure 10 Rising Focus on Nanotechnology Research is Driving Growth in the Nanoparticle Analysis Market
Figure 11 Asia-Pacific to Offer Lucrative Growth Opportunities for Market Players
Figure 12 Particle Size Analysis Segment to Dominate the Nanoparticle Analysis Market in 2015
Figure 13 Pharmaceutical & Biopharmaceutical Companies to Dominate the Global Nanoparticle Analysis End User Market
Figure 14 Nanoparticle Analysis Market Segmentation
Figure 15 Drivers, Restraints, Opportunities, and Challenges
Figure 16 Nanoparticle Tracking Analysis Segment is Projected to Grow at the Highest CAGR During the Forecast Period
Figure 17 North America is Expected to Dominate the Global Dynamic Light Scattering Market in 2015
Figure 18 North America to Dominate the Global Nanoparticle Tracking Analysis Market in the Forecast Period
Figure 19 Transmission Electron Microscopy to Command the Largest Share of the Microscopy Technologies Market
Figure 20 Molecular Structure Analysis Segment is Expected to Grow at the Highest Rate During the Forecast Period
Figure 21 North America to Account for the Largest Share of the Particle Size Analysis Market in 2015
Figure 22 Asia-Pacific to Witness the Highest Growth in the Particle Concentration Analysis Segment During the Forecast Period
Figure 23 Asia-Pacific is Expected to Grow at the Highest Rate in Zeta Potential Analysis Market During the Forecast Period
Figure 24 North America to Account for the Largest Share of the Molecular Structure Analysis Market in 2015
Figure 25 Academic Research Institutions Segment to Witness Highest Growth During the Forecast Period
Figure 26 North America to Dominate the Nanoparticle Analysis Market for Pharmaceutical and Biopharmaceutical Companies in 2015
Figure 27 Asia-Pacific to Witness Highest Growth in the Academic Research Institutions Segment
Figure 28 Nanoparticle Analysis Market: Growth Forecast, By Country (2015-2020)
Figure 29 North America: Nanoparticle Analysis Market Snapshot
Figure 30 Europe: Nanoparticle Analysis Market Snapshot
Figure 31 Asia-Pacific: Nanoparticle Analysis Market Snapshot
Figure 32 Leading Market Players Adopted Organic and Inorganic Growth Strategies Over the Last Three Years (2013-2015)
Figure 33 Global Nanoparticle Analysis Market Share Analysis, By Key Player, 2014
Figure 34 Battle for Market Share: New Product Launches & Enhancements, the Key Strategy
Figure 35 Geographic Revenue Snapshot (2014)
Figure 36 Spectris PLC: Company Snapshot
Figure 37 Horiba, Ltd.: Company Snapshot
Figure 38 Danaher Corporation: Company Snapshot
Figure 39 Shimadzu Corporation: Company Snapshot
Figure 40 Agilent Technologies, Inc.: Company Snapshot
Figure 41 Bruker Corporation: Company Snapshot
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