

# **Nanoparticle Analysis Market by Technology (DLS, NTA, XRD, SMPS, CPC, NSAM), Analysis Type (Size, Zeta Potential, Weight, Flow properties), End-user (Pharmaceutical & Biopharmaceutical Companies, Academic Research Institutions) - Global Forecast to 2020**

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## **Abstracts**

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

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