

# **Nanomechanical Testing Market Size study, by Offerings (Software, and Hardware), by End-Use Applications (Life Science, Industrial Manufacturing, Material Development and Semiconductor Manufacturing) and Regional Forecasts 2019-2026**

<https://marketpublishers.com/r/NF904E8F45A7EN.html>

Date: April 2019

Pages: 200

Price: US\$ 2,568.00 (Single User License)

ID: NF904E8F45A7EN

## **Abstracts**

Nanomechanical Testing Market is valued approximately at USD 270 million in 2018 and is anticipated to grow with a healthy growth rate of more than 3.55 % over the forecast period 2019-2026. The rapid technological advancement in micro-electro-mechanical systems has led to the growing traction of nanomechanical testing market across various industry verticals. The nanomechanical testing system depends on precise measurement of the deflections and forces in the testing objects. The rising demand for testing various materials in order to understand the properties on a nanoscale is fueling the growth of the market share. Moreover, the nanomechanical testing systems offers its application across various industrial verticals such as life science, industrial manufacturing along with material development. The complex mechanical behavior of advanced material can be understood with the help of nanomechanical testing systems. Further, measurement of small-scale mechanical behavior with high precision and accurate acquisition of load and displacement data is the result of development advanced nanomechanical tools. This has resulted in momentum gain over the last decade and is expected to show significant growth over the forecast period. This factor is also responsible for the increased market share of nanomechanical testing system is the rising investment from the government as well as from private organizations towards research and testing for fractures and stiffness resistance of various micro-electro-mechanical system structures. The growing preference for lightweight, smaller and cost-effective nanomechanical devices has propelled the growth of the system.

The regional analysis of Nanomechanical Testing market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America region is expected to register significant growth over the forecast period owing rising demand for nanomechanical testing equipment's in various research development activities in the region.

Major market player included in this report are:

Alemnis GmbH

Biomomentum Inc.

Bruker Corp.

Illinois Tool Works

Instron

KLA-Tencor Corp.

Micro OFFERING Limited

MTS Systems Corp.

Nanomechanics Inc.

Nanoscience Instruments

Quad Group Inc.

Testometric

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Offerings:

Hardware

Software

By End-Use Applications:

Life science

Industrial manufacturing

Material development

Semiconductor manufacturing

By Region:

North America

U.S.

Canada

Europe  
UK  
Germany  
Asia Pacific  
China  
India  
Japan  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017

Base year – 2018

Forecast period – 2019 to 2026

Target Audience of the Nanomechanical Testing Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2017-2026 (USD Million)
  - 1.2.1. Nanomechanical Testing Market, by Region, 2017-2026 (USD Million)
  - 1.2.2. Nanomechanical Testing Market, by Offerings, 2017-2026 (USD Million)
  - 1.2.3. Nanomechanical Testing Market, by End-Use Applications, 2017-2026 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. NANOMECHANICAL TESTING MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. NANOMECHANICAL TESTING MARKET DYNAMICS**

- 3.1. Nanomechanical Testing Market Impact Analysis (2018-2026)
  - 3.1.1. Market Drivers
  - 3.1.2. Market Challenges
  - 3.1.3. Market Opportunities

### **CHAPTER 4. NANOMECHANICAL TESTING MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2016-2026)

- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. NANOMECHANICAL TESTING MARKET, BY OFFERINGS**

- 5.1. Market Snapshot
- 5.2. Nanomechanical Testing Market by Offerings, Performance - Potential Analysis
- 5.3. Nanomechanical Testing Market Estimates & Forecasts by Offerings 2016-2026 (USD Million)
- 5.4. Polymer Emulsion Market, Sub Segment Analysis
  - 5.4.1. Hardware
  - 5.4.2. Software

## **CHAPTER 6. NANOMECHANICAL TESTING MARKET, BY END-USE APPLICATIONS**

- 6.1. Market Snapshot
- 6.2. Nanomechanical Testing Market by End-Use Applications, Performance - Potential Analysis
- 6.3. Nanomechanical Testing Market Estimates & Forecasts by End-Use Applications 2016-2026 (USD Million)
- 6.4. Polymer Emulsion Market, Sub Segment Analysis
  - 6.4.1. Life science
  - 6.4.2. Industrial manufacturing
  - 6.4.3. Material development
  - 6.4.4. Semiconductor manufacturing

## **CHAPTER 7. NANOMECHANICAL TESTING MARKET, REGIONAL ANALYSIS**

- 7.1. Nanomechanical Testing Market, Regional Market Snapshot
- 7.2. North America Nanomechanical Testing Market
  - 7.2.1. U.S. Nanomechanical Testing Market
    - 7.2.1.1. Offerings breakdown estimates & forecasts, 2016-2026
    - 7.2.1.2. End-Use Applications breakdown estimates & forecasts, 2016-2026

- 7.2.2. Canada Nanomechanical Testing Market
- 7.3. Europe Nanomechanical Testing Market Snapshot
  - 7.3.1. U.K. Nanomechanical Testing Market
  - 7.3.2. Rest of Europe Nanomechanical Testing Market
- 7.4. Asia-Pacific Nanomechanical Testing Market Snapshot
  - 7.4.1. China Nanomechanical Testing Market
  - 7.4.2. India Nanomechanical Testing Market
  - 7.4.3. Japan Nanomechanical Testing Market
  - 7.4.4. Rest of Asia Pacific Nanomechanical Testing Market
- 7.5. Latin America Nanomechanical Testing Market Snapshot
  - 7.5.1. Brazil Nanomechanical Testing Market
  - 7.5.2. Mexico Nanomechanical Testing Market
- 7.6. Rest of The World Nanomechanical Testing Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Top Market Strategies
- 8.2. Company Profiles
  - 8.2.1. Bruker Corp.
    - 8.2.1.1. Key Information
    - 8.2.1.2. Overview
    - 8.2.1.3. Financial (Subject to Data Availability)
    - 8.2.1.4. Offerings Summary
    - 8.2.1.5. Recent Developments
  - 8.2.2. Alemnis GmbH
  - 8.2.3. Biomomentum Inc.
  - 8.2.4. Illinois Tool Works
  - 8.2.5. Instron
  - 8.2.6. KLA-Tencor Corp.
  - 8.2.7. Micro OFFERING Limited
  - 8.2.8. MTS Systems Corp.
  - 8.2.9. Nanomechanics Inc.
  - 8.2.10. Nanoscience Instruments
  - 8.2.11. Quad Group Inc.
  - 8.2.12. Testometric

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process

- 9.1.1. Data Mining
- 9.1.2. Analysis
- 9.1.3. Market Estimation
- 9.1.4. Validation
- 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. LIST OF SECONDARY SOURCES, USED IN THE STUDY OF NANOMECHANICAL TESTING MARKET

TABLE 2. LIST OF PRIMARY SOURCES, USED IN THE STUDY OF NANOMECHANICAL TESTING MARKET

TABLE 3. NANOMECHANICAL TESTING MARKET, REPORT SCOPE

TABLE 4. YEARS CONSIDERED FOR THE STUDY

TABLE 5. EXCHANGE RATES CONSIDERED

TABLE 6. NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY REGION 2016-2026 (USD MILLION)

TABLE 7. NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY OFFERINGS 2016-2026 (USD MILLION)

TABLE 8. NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY END-USE APPLICATIONS 2016-2026 (USD MILLION)

TABLE 9. NANOMECHANICAL TESTING MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 10. NANOMECHANICAL TESTING MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 11. NANOMECHANICAL TESTING MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 12. NANOMECHANICAL TESTING MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 13. NANOMECHANICAL TESTING MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 14. NANOMECHANICAL TESTING MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 15. NANOMECHANICAL TESTING MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 16. NANOMECHANICAL TESTING MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 17. NANOMECHANICAL TESTING MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 18. NANOMECHANICAL TESTING MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 19. U.S. NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)



TABLE 20. U.S. NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 21. U.S. NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 22. CANADA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 23. CANADA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 24. CANADA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 25. UK NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 26. UK NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 27. UK NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 28. GERMANY NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 29. GERMANY NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 30. GERMANY NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 31. ROE NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 32. ROE NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 33. ROE NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 34. CHINA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 35. CHINA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 36. CHINA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 37. INDIA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 38. INDIA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 39. INDIA NANOMECHANICAL TESTING MARKET ESTIMATES &

FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 40. JAPAN NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 41. JAPAN NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 42. JAPAN NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 43. ROAPAC NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 44. ROAPAC NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 45. ROAPAC NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 46. BRAZIL NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 47. BRAZIL NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 48. BRAZIL NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 49. MEXICO NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 50. MEXICO NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 51. MEXICO NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 52. ROLA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 53. ROLA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 54. ROLA NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 55. ROW NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 56. ROW NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 57. ROW NANOMECHANICAL TESTING MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

## List Of Figures

### LIST OF FIGURES

FIG 1. NANOMECHANICAL TESTING MARKET, RESEARCH METHODOLOGY

FIG 2. NANOMECHANICAL TESTING MARKET, MARKET ESTIMATION  
TECHNIQUES

FIG 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS

FIG 4. NANOMECHANICAL TESTING MARKET, KEY TRENDS 2018

FIG 5. NANOMECHANICAL TESTING MARKET, GROWTH PROSPECTS 2019-2026

FIG 6. NANOMECHANICAL TESTING MARKET, PORTERS 5 FORCE MODEL

FIG 7. NANOMECHANICAL TESTING MARKET, PEST ANALYSIS

FIG 8. NANOMECHANICAL TESTING MARKET, VALUE CHAIN ANALYSIS

FIG 9. NANOMECHANICAL TESTING MARKET BY SEGMENT, 2016 & 2026 (USD  
MILLION)

FIG 10. NANOMECHANICAL TESTING MARKET BY SEGMENT, 2016 & 2026 (USD  
MILLION)

FIG 11. NANOMECHANICAL TESTING MARKET BY SEGMENT, 2016 & 2026 (USD  
MILLION)

FIG 12. NANOMECHANICAL TESTING MARKET BY SEGMENT, 2016 & 2026 (USD  
MILLION)

FIG 13. NANOMECHANICAL TESTING MARKET BY SEGMENT, 2016 & 2026 (USD  
MILLION)

FIG 14. NANOMECHANICAL TESTING MARKET, REGIONAL SNAPSHOT 2016 &  
2026

FIG 15. NORTH AMERICA NANOMECHANICAL TESTING MARKET 2016 & 2026  
(USD MILLION)

FIG 16. EUROPE NANOMECHANICAL TESTING MARKET 2016 & 2026 (USD  
MILLION)

FIG 17. ASIA PACIFIC NANOMECHANICAL TESTING MARKET 2016 & 2026 (USD  
MILLION)

FIG 18. LATIN AMERICA NANOMECHANICAL TESTING MARKET 2016 & 2026 (USD  
MILLION)

FIG 19. NANOMECHANICAL TESTING MARKET, COMPANY MARKET SHARE  
ANALYSIS (2018)

### COMPANIES MENTIONED

Alemnis GmbH

Biomomentum Inc.  
Bruker Corp.  
Illinois Tool Works  
Instron  
KLA-Tencor Corp.  
Micro OFFERING Limited  
MTS Systems Corp.  
Nanomechanics Inc.  
Nanoscience Instruments  
Quad Group Inc.  
Testometric

## I would like to order

Product name: Nanomechanical Testing Market Size study, by Offerings (Software, and Hardware), by End-Use Applications (Life Science, Industrial Manufacturing, Material Development and Semiconductor Manufacturing) and Regional Forecasts 2019-2026

Product link: <https://marketpublishers.com/r/NF904E8F45A7EN.html>

Price: US\$ 2,568.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NF904E8F45A7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970