

# **Global Atomic Force Microscopy Market Size study, by Offering (AFM, Probes, Software), Grade (Industrial Grade, Research Grade), Applications (Materials Science, Life Sciences, Semiconductor & Electronics, Academics) and Regional Forecasts 2020-2027**

<https://marketpublishers.com/r/G8BE57C307D2EN.html>

Date: October 2020

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G8BE57C307D2EN

## **Abstracts**

Global Atomic Force Microscopy Market is valued approximately USD 0.44 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 5.8 % over the forecast period 2020-2027. Atomic force microscopy is a type of high-resolution scanning probe microscopy in the order of fractions of a nanometer with demonstrated resolution. The growth of the atomic force microscopy market is supported by government initiatives in nanotechnology and nanoscience to promote R&D. Due to increasing R&D funding for the production of microscopes, the Asia-Pacific region is expected to expand significantly during the forecast period. The market is driven by Committed funding from various governments to encourage research and development of nanotechnology and nanoscience, strong demand for 3D ICs from the semiconductor and electronics industries. The key players of global Atomic force microscopy market have adopted various strategies to gain competitive advantage including product launch, mergers and acquisition, partnerships and agreements, investment, funding and others. For instance, In February 2017, a supplier of scanning probe instruments, Integrated Circuit Scanning Probe Instruments (ICSPI), based in Canada, developed the highest resolution single-chip atomic force microscope (AFM) for various science and technology fields. Additionally, In 2017, Bruker 's current AFM portfolio significantly improved its leadership position in the research markets for nanomaterials. In addition, by acquiring smaller players across the supply chain, the organization focuses on inorganic growth initiatives to increase its exposure to the AFM market. However, Harm to samples due to AFM contact-mode, high equipment costs would restrain the growth of market.

The regional analysis of global Atomic Force Microscopy Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of strong demand for 3D ICs from the semiconductor and electronics industries. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as Committed funding from various governments to encourage research and development of nanotechnology and nanoscience would create lucrative growth prospects for the Atomic Force Microscopy Market across Asia-Pacific region.

Major market player included in this report are:

Bruker Corporation

Park Systems

Hitachi

Horiba

Oxford Instruments

Nanosurf

Witec

Nt-Mdt Spectrum Instruments

Nanomagnetics Instruments

Nanonics Imaging

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 product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Offering:

AFM (Atomic Force microscopy)

Probes

Software

By Application:

Materials Science

Life Sciences

Semiconductors and Electronics

Academics

Others (includes solar cells, geoscience, forensic science, and food technology)

By Grade:

Industrial Grade

Research Grade

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Atomic Force Microscopy 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, 2018-2027 (USD Billion)
  - 1.2.1. Atomic Force Microscopy Market, by Region, 2018-2027 (USD Billion)
  - 1.2.2. Atomic Force Microscopy Market, by Offering, 2018-2027 (USD Billion)
  - 1.2.3. Atomic Force Microscopy Market, by Application, 2018-2027 (USD Billion)
  - 1.2.4. Atomic Force Microscopy Market, by Grade, 2018-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL ATOMIC FORCE MICROSCOPY 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. GLOBAL ATOMIC FORCE MICROSCOPY MARKET DYNAMICS**

- 3.1. Atomic Force Microscopy Market Impact Analysis (2018-2027)
  - 3.1.1. Market Drivers
  - 3.1.2. Market Challenges
  - 3.1.3. Market Opportunities

### **CHAPTER 4. GLOBAL ATOMIC FORCE MICROSCOPY 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 (2017-2027)
- 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. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, BY OFFERING**

- 5.1. Market Snapshot
- 5.2. Global Atomic Force Microscopy Market by Offering, Performance - Potential Analysis
- 5.3. Global Atomic Force Microscopy Market Estimates & Forecasts by Offering 2017-2027 (USD Billion)
- 5.4. Atomic Force Microscopy Market, Sub Segment Analysis
  - 5.4.1. AFM
  - 5.4.2. Probes
  - 5.4.3. Software

## **CHAPTER 6. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Global Atomic Force Microscopy Market by Application, Performance - Potential Analysis
- 6.3. Global Atomic Force Microscopy Market Estimates & Forecasts by Application 2017-2027 (USD Billion)
- 6.4. Atomic Force Microscopy Market, Sub Segment Analysis
  - 6.4.1. Materials Science
  - 6.4.2. Life Sciences
  - 6.4.3. Semiconductors and Electronics
  - 6.4.4. Academics
  - 6.4.5. Others (includes solar cells, geoscience, forensic science, and food technology)

## **CHAPTER 7. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, BY GRADE**

- 7.1. Market Snapshot
- 7.2. Global Atomic Force Microscopy Market by Grade, Performance - Potential Analysis
- 7.3. Global Atomic Force Microscopy Market Estimates & Forecasts by Grade 2017-2027 (USD Billion)
- 7.4. Atomic Force Microscopy Market, Sub Segment Analysis
  - 7.4.1. Industrial Grade
  - 7.4.2. Research Grade

## **CHAPTER 8. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, REGIONAL ANALYSIS**

- 8.1. Atomic Force Microscopy Market, Regional Market Snapshot
- 8.2. North America Atomic Force Microscopy Market
  - 8.2.1. U.S. Atomic Force Microscopy Market
    - 8.2.1.1. Offering breakdown estimates & forecasts, 2017-2027
    - 8.2.1.2. Grade breakdown estimates & forecasts, 2017-2027
    - 8.2.1.3. Application breakdown estimates & forecasts, 2017-2027
  - 8.2.2. Canada Atomic Force Microscopy Market
- 8.3. Europe Atomic Force Microscopy Market Snapshot
  - 8.3.1. U.K. Atomic Force Microscopy Market
  - 8.3.2. Germany Atomic Force Microscopy Market
  - 8.3.3. France Atomic Force Microscopy Market
  - 8.3.4. Spain Atomic Force Microscopy Market
  - 8.3.5. Italy Atomic Force Microscopy Market
  - 8.3.6. Rest of Europe Atomic Force Microscopy Market
- 8.4. Asia-Pacific Atomic Force Microscopy Market Snapshot
  - 8.4.1. China Atomic Force Microscopy Market
  - 8.4.2. India Atomic Force Microscopy Market
  - 8.4.3. Japan Atomic Force Microscopy Market
  - 8.4.4. Australia Atomic Force Microscopy Market
  - 8.4.5. South Korea Atomic Force Microscopy Market
  - 8.4.6. Rest of Asia Pacific Atomic Force Microscopy Market
- 8.5. Latin America Atomic Force Microscopy Market Snapshot
  - 8.5.1. Brazil Atomic Force Microscopy Market
  - 8.5.2. Mexico Atomic Force Microscopy Market
- 8.6. Rest of The World Atomic Force Microscopy Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Company Profiles
  - 9.2.1. Horiba
    - 9.2.1.1. Key Information
    - 9.2.1.2. Overview
    - 9.2.1.3. Financial (Subject to Data Availability)
    - 9.2.1.4. Product Summary
    - 9.2.1.5. Recent Developments
  - 9.2.2. Bruker Corporation
  - 9.2.3. Park Systems
  - 9.2.4. Hitachi
  - 9.2.5. Oxford Instruments
  - 9.2.6. Nanosurf
  - 9.2.7. Witec
  - 9.2.8. Nt-Mdt Spectrum Instruments
  - 9.2.9. Nanomagnetism Instruments
  - 9.2.10. Nanonics Imaging

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, REPORT SCOPE

TABLE 2. GLOBAL ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY REGION 2017-2027 (USD BILLION)

TABLE 3. GLOBAL ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY Offering 2017-2027 (USD BILLION)

TABLE 4. GLOBAL ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY Application 2017-2027 (USD BILLION)

TABLE 5. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 6. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 7. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 8. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 9. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 10. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 11. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 12. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 13. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 14. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 15. U.S. ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 16. U.S. ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 17. U.S. ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 18. CANADA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 19. CANADA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 20. CANADA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 21. UK ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 22. UK ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 23. UK ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 24. GERMANY ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 25. GERMANY ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 26. GERMANY ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 27. ROE ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 28. ROE ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 29. ROE ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 30. CHINA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 31. CHINA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 32. CHINA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 33. INDIA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 34. INDIA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 35. INDIA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 36. JAPAN ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 37. JAPAN ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 38. JAPAN ATOMIC FORCE MICROSCOPY MARKET ESTIMATES &

FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 39. ROAPAC ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 40. ROAPAC ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 41. ROAPAC ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 42. BRAZIL ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 43. BRAZIL ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 44. BRAZIL ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 45. MEXICO ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 46. MEXICO ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 47. MEXICO ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 48. ROLA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 49. ROLA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 50. ROLA ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 51. ROW ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 52. ROW ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 53. ROW ATOMIC FORCE MICROSCOPY MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 54. LIST OF SECONDARY SOURCES, USED IN THE STUDY OF GLOBAL ATOMIC FORCE MICROSCOPY MARKET

TABLE 55. LIST OF PRIMARY SOURCES, USED IN THE STUDY OF GLOBAL ATOMIC FORCE MICROSCOPY MARKET

TABLE 56. YEARS CONSIDERED FOR THE STUDY

TABLE 57. EXCHANGE RATES CONSIDERED

## List Of Figures

### LIST OF FIGURES

FIG 1. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, RESEARCH METHODOLOGY

FIG 2. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, MARKET ESTIMATION TECHNIQUES

FIG 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS

FIG 4. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, KEY TRENDS 2019

FIG 5. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, GROWTH PROSPECTS 2020-2027

FIG 6. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, PORTERS 5 FORCE MODEL

FIG 7. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, PEST ANALYSIS

FIG 8. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, VALUE CHAIN ANALYSIS

FIG 9. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)

FIG 10. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)

FIG 11. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)

FIG 12. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)

FIG 13. GLOBAL ATOMIC FORCE MICROSCOPY MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)

FIG 14. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, REGIONAL SNAPSHOT 2017 & 2027

FIG 15. NORTH AMERICA ATOMIC FORCE MICROSCOPY MARKET 2017 & 2027 (USD BILLION)

FIG 16. EUROPE ATOMIC FORCE MICROSCOPY MARKET 2017 & 2027 (USD BILLION)

FIG 17. ASIA PACIFIC ATOMIC FORCE MICROSCOPY MARKET 2017 & 2027 (USD BILLION)

FIG 18. LATIN AMERICA ATOMIC FORCE MICROSCOPY MARKET 2017 & 2027 (USD BILLION)

FIG 19. GLOBAL ATOMIC FORCE MICROSCOPY MARKET, COMPANY MARKET SHARE ANALYSIS (2019)



## I would like to order

Product name: Global Atomic Force Microscopy Market Size study, by Offering (AFM, Probes, Software), Grade (Industrial Grade, Research Grade), Applications (Materials Science, Life Sciences, Semiconductor & Electronics, Academics) and Regional Forecasts 2020-2027

Product link: <https://marketpublishers.com/r/G8BE57C307D2EN.html>

Price: US\$ 4,950.00 (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/G8BE57C307D2EN.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