

The Global Market for Scanning Probe Microscopes 2021-2031

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Abstracts

Scanning probe microscopy (SPM) provides a versatile tool for high-resolution imaging. It allows spatial features of materials which differ from the bulk by their magnetic, electronic, or other properties to be probed down to nanometer length scales.

The scanning probe microscope (SPM) market covers the following segments:

Atomic force microscopes (AFM)

Scanning tunneling microscopes (STM);

Near-field scanning optical microscopes (NSOM).

AFM, STM and NSOM systems are mainly used in:

Materials research.

Nanomaterials research.

Semiconductors and electronics R&D.

Materials for energy generation and storage: LED, battery, organic photovoltaic materials.

Polymer materials R&D.

Automotive materials.

Advanced pharmaceuticals product development and manufacturing.

Cell biology and cancer research.

The Global Market for Scanning Probe Microscopes (SPM) to 2021-2031 contains the latest information and historical data on this advanced instrumentation market, covering market revenues, pricing, producers and end user market demand. The impact of the COVID-19 crisis on the market is also covered.

The report covers the current Scanning Probe Microscopy market including main instrumentation such as atomic force microscopes and scanning tunnelling microscopes as well as more specialised versions. Also covered is the market for AFM probes.

Report contents include:

Market analysis of the scanning probe microscopy market including revenues (million USD 2010-2031), future growth estimates, market outlook

Analysis of end user markets in semiconductors, materials and nanomaterials research, industrial R&D, life and health sciences research including growth estimates

Regional analysis including growth estimates.

Analysis of Low temperature STM/AFM segment

In depth profiles of SPM companies. Companies profiled include Bruker, Hitachi High-Tech Science Corporation, Horiba, Nearfield Instruments BV, NT-MDT, Oxford Instruments, Park Systems, Unisoku and more.

Analysis of the AFM probes market including market demand and revenues, forecasted to 2027.

Profiles of AFM probes companies. Companies profiled include Actoprobe LLC, Bruker, Mikromasch, NT-MDT, Olympus Corporation and more.

Market structure, market drivers and trends.

Contents

1 RESEARCH SCOPE AND METHODOLOGY

- 1.1 Report scope
- 1.2 Research methodology

2 EXECUTIVE SUMMARY

- 2.1 Market drivers
- 2.2 Trends 2020-2021
- 2.3 Market structure
- 2.4 Atomic force microscopes (AFM)
- 2.5 Low temperature STM/AFM
- 2.6 Industry developments 2020-2021
- 2.7 Global market revenues, total, 2018-2031
 - 2.7.1 Total
 - 2.7.2 By market
 - 2.7.3 By country/region

3 THE GLOBAL SCANNING PROBE MICROSCOPES MARKET

- 3.1 Market trends and drivers
 - 3.1.1 Market segmentation 2020
- 3.2 Market structure
- 3.3 Market outlook
 - 3.3.1 End user markets
 - 3.3.1.1 Market revenues, total 2018-2031
 - 3.3.2 Annual unit sales
 - 3.3.3 Prices
- 3.4 Markets by region
 - 3.4.1 North America
 - 3.4.1.1 Revenues 2018-2031
 - 3.4.2 Asia-Pacific
 - 3.4.2.1 Revenues 2018-2031
 - 3.4.3 Europe
 - 3.4.3.1 Revenues 2018-2031
 - 3.4.4 Rest of the world
 - 3.4.4.1 Revenues 2018-2031

3.5 Semiconductors and electronics

3.5.1 Market drivers and trends

3.5.2 Revenues 2018-2031

3.6 Materials and nanomaterials research

3.6.1 Market drivers and trends

3.6.2 Nanotechnology and nanomaterials research

3.6.3 Revenues 2018-2031

3.7 Life and health sciences and biomedical

3.7.1 Market drivers and trends

3.7.2 Revenues 2018-2031

3.8 Industrial R&D

3.8.1 Revenues 2018-2031

4 SCANNING PROBE MICROSCOPE COMPANY PROFILES 45 (25 COMPANY PROFILES)

5 THE GLOBAL MARKET FOR AFM PROBES

5.1 Market overview

5.2 Global demand, by market

5.3 Global market revenues 2015-2027 (Millions US\$)

5.3.1 2015-2020

5.3.2 2021-2027, by market

5.3.3 2021-2027, by region

5.4 Company profiles 77 (14 company profiles)

6 REFERENCES

List Of Tables

LIST OF TABLES

Table 1. Scanning probe microscopy market structure.

Table 2. Recent industry developments 2020-2021.

Table 3. Global market for scanning probe microscopes, 2018-2031, Millions USD, based on company revenues.

Table 4. Revenues for SPM by market 2018-2031, Millions USD.

Table 5. Revenues for SPM by region 2018-2031, Millions USD.

Table 6. Scanning probe microscopy market suppliers. Market leaders, SMEs, VACCUUM STM ATM Low Temperature, AFM probes.

Table 7. Target markets and applications for scanning probe microscopes.

Table 8. Revenues for SPM by market 2018-2031, Millions USD.

Table 9. AFM prices, by company.

Table 10. Revenues for SPM by region 2018-2031, Millions USD.

Table 11. Market revenues for SPM in North America 2018-2031, Millions USD.

Table 12. Market revenues for SPM in Asia-Pacific, by country 2018-2031, Millions USD.

Table 13. Market revenues for SPM in Europe 2018-2031, Millions USD.

Table 14. Market revenues for SPM in Rest of the World 2018-2031, Millions USD.

Table 15. Global market for scanning probe microscopes, in semiconductors and electronics, 2018-2031, Millions USD.

Table 16. Global market for scanning probe microscopes, in materials and nanomaterials research, 2018-2031, Millions USD.

Table 17. Global market for scanning probe microscopes, in life sciences and biomedicine, 2018-2031 Millions USD.

Table 18. Global market for scanning probe microscopes, in industrial R&D, 2018-2031, Millions USD.

Table 19. Global AFM probe tips revenues, 2015-2027 (Millions USD).

Table 20. Global market for AFM probe tips, 2015-2020, low, medium and high, millions US\$.

Table 21. Revenues for AFM probe tips by market, 2020-2027 (millions USD), low estimate.

Table 22. Revenues for AFM probe tips by market, 2020-2027 (millions USD), medium estimate.

Table 23. Revenues for AFM probe tips by market, 2020-2027 (millions USD), high estimate.

Table 24. Revenues for AFM probe tips by region, 2020-2027 (millions USD), low

estimate.

Table 25. Revenues for AFM probe tips by region, 2020-2027 (millions USD), medium estimate.

Table 26. Revenues for AFM probe tips by region, 2020-2027 (millions USD), high estimate.

Table 27. Adama Innovations, Ltd. products and prices.

Table 28. Asylum Research products and prices.

Table 29. Bruker AFM probes products and prices.

Table 30. Budgetsensors products and prices.

Table 31. Mikromasch products and prices.

Table 32. nanotools GmbH products and prices.

Table 33. Nanoworld/nanosensors products and prices.

Table 34. NT-MDT and prices.

Table 35. Nu Nano Ltd AFM probe products and prices.

Table 36. Olympus Corporation products and prices.

Table 37. Rocky Mountain Nanotechnology, LLC products and prices.

Table 38. Team Nanotec GmbH AFM probe tips products and prices.

List Of Figures

LIST OF FIGURES

Figure 1. CreaTec Fischer & Co. GmbH Low temperature STM/AFM.

Figure 2. Global market share by company 2020.

Figure 3. Global market for scanning probe microscopes, 2018-2031, USD, based on company sales.

Figure 4. Revenues for SPM by market 2018-2031, Millions USD.

Figure 5. Revenues for SPM by region 2018-2031, Millions USD.

Figure 6. Global market revenues for SPM by end user market, 2020, %.

Figure 7. Revenues for SPM by market 2018-2031, Millions USD.

Figure 8. Revenues for SPM by region 2018-2031, Millions USD.

Figure 9. Global market share for SPM by region, 2020, %.

Figure 10. Global market revenues for SPM by region, 2031, %.

Figure 11. Market revenues for SPM in North America 2018-2031, Millions USD.

Figure 12. Market revenues for SPM in Asia-Pacific, by country 2018-2031, Millions USD.

Figure 13. Market revenues for SPM in Europe 2018-2031, Millions USD.

Figure 14. Market revenues for rest of the world in Europe 2018-2031, Millions USD.

Figure 15. Global market for scanning probe microscopes, in semiconductors and electronics, 2018-2031, Millions USD.

Figure 16. Global market for scanning probe microscopes, in materials and nanomaterials research, 2018-2031, Millions USD.

Figure 17. Global market for scanning probe microscopes, in life and health sciences, 2018-2031-low, conservative and optimistic estimates, Millions USD.

Figure 18. Global market for scanning probe microscopes, in industrial R&D, 2018-2031, Millions USD.

Figure 19. QUADRA.

Figure 20. Park FX40.

Figure 21. Global AFM tip probes revenues, 2015-2027 (Millions USD).

Figure 22. Global demand for AFM probe tips 2020, by market, %

Figure 23. Global demand for AFM probe tips 2020, by region %.

Figure 24. Global market for AFM probe tips, 2015-2020, low, medium and high estimates.

Figure 25. Revenues for AFM probe tips by market, 2020-2027 (millions USD), low estimate.

Figure 26. Revenues for AFM probe tips by market, 2020-2027 (millions USD), medium estimate.

Figure 27. Revenues for AFM probe tips by market, 2020-2027 (millions USD), high estimate.

Figure 28. Revenues for AFM probe tips by region, 2020-2027 (millions USD), low estimate.

Figure 29. Revenues for AFM probe tips by region, 2020-2027 (millions USD), medium estimate.

Figure 30. Revenues for AFM probe tips by region, 2020-2027 (millions USD), high estimate.

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