

Global Materials Research AFMs Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

Atomic force microscopy is the basic tool for characterizing graphene and next-generation two-dimensional materials. Film thickness, roughness and uniformity are the three most basic keys for characterizing emerging low-dimensional structures such as graphene and molybdenum disulfide (MoS₂) parameter. However, the functions of atomic force microscopes have surpassed nanomorphology and can analyze lattice structure, tribology, electrical and functional responses, and various mechanical properties.

According to our (Global Info Research) latest study, the global Materials Research AFMs market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Materials Research AFMs market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Materials Research AFMs market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2018-2029

Global Materials Research AFMs market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2018-2029

Global Materials Research AFMs market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2018-2029

Global Materials Research AFMs market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Materials Research AFMs

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Materials Research AFMs market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bruker, Asylum Research (Oxford Instruments), Nanosurf, Hitachi High-Technologies Corporation and Park Systems, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Materials Research AFMs market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

High-Resolution AFMs

High-Speed AFMs

Market segment by Application

Graphene and 2D Materials

Battery Materials

Polymers Research

Major players covered

Bruker

Asylum Research (Oxford Instruments)

Nanosurf

Hitachi High-Technologies Corporation

Park Systems

NT-MDT

Keysight Technologies

Nanonics Imaging

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Materials Research AFMs product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Materials Research AFMs, with price, sales, revenue and global market share of Materials Research AFMs from 2018 to 2023.

Chapter 3, the Materials Research AFMs competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Materials Research AFMs breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Materials Research AFMs market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Materials Research AFMs.

Chapter 14 and 15, to describe Materials Research AFMs sales channel, distributors, customers, research findings and conclusion.

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