

# Global Piezoresponse Force Microscopy (PFM) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Piezoresponse Force Microscopy (PFM) 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.

Piezoresponse force microscopy (PFM) is a variation of atomic force microscopy (AFM) that uses a conductive probe tip to measure the piezoelectric, and more commonly the ferroelectric, domains of a material. Unlike many other variations of AFM, PFM does not take any principles from other techniques. Instead, it applies the principles of the piezoelectric effect to obtain measurements, alongside the conventional AFM location techniques to determine which domains are being measured. This enables the simultaneous creation of a topographic map, alongside a ferroelectric domain map which has a high spatial resolution.

This report is a detailed and comprehensive analysis for global Piezoresponse Force Microscopy (PFM) 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 Piezoresponse Force Microscopy (PFM) market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2018-2029

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

Global Piezoresponse Force Microscopy (PFM) 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 Piezoresponse Force Microscopy (PFM) 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 Piezoresponse Force Microscopy (PFM)

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 Piezoresponse Force Microscopy (PFM) 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, Oxford Instruments, Park Systems, Nanosurf and NT-MDT and 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

Piezoresponse Force Microscopy (PFM) 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

Contact Mode PFM

Non-contact Mode PFM

#### Market segment by Application

Materials Science

Physics

Engineering

#### Major players covered

Bruker

Oxford Instruments

Park Systems

Nanosurf

NT-MDT

Rocky Mountain Nanotechnology

#### 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 Piezoresponse Force Microscopy (PFM) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Piezoresponse Force Microscopy (PFM), with price, sales, revenue and global market share of Piezoresponse Force Microscopy (PFM) from 2018 to 2023.

Chapter 3, the Piezoresponse Force Microscopy (PFM) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Piezoresponse Force Microscopy (PFM) 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 Piezoresponse Force Microscopy (PFM) 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 Piezoresponse Force Microscopy (PFM).

Chapter 14 and 15, to describe Piezoresponse Force Microscopy (PFM) sales channel, distributors, customers, research findings and conclusion.

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