

# 2018 Top 5 AFM Probe Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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## Abstracts

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Atomic-force microscopy (AFM) or scanning-force microscopy (SFM) is a type of scanning probe microscopy (SPM), with demonstrated resolution on the order of fractions of a nanometer, more than 1000 times better than the optical diffraction limit. The information is gathered by 'feeling' or 'touching' the surface with a mechanical probe. An AFM probe has a sharp tip on the free-swinging end of a cantilever that is protruding from a holder. The dimensions of the cantilever are in the scale of micrometers. The radius of the tip is usually on the scale of a few nanometers to a few tens of nanometers.

The AFM probes market is an important part of the overall AFM market, and is very competitive. Probes range greatly in price, properties and coatings.

Significant competitive factors include technical capability and differentiation (performance, range of features, reliability), productivity and cost-effectiveness.

Over the next five years, LPI(LP Information) projects that AFM Probe will register a 7.4% CAGR in terms of revenue, reach US\$ 240 million by 2023, from US\$ 170 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

NanoWorld AG

Bruker

NT-MDT

Asylum Research (Oxford Instruments)

Olympus

Advanced Diamond Technologies

AppNano

Team Nanotec GmbH

NaugaNeedles

SmartTip

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Silicon AFM Probes

Silicon Nitride AFM Probes

Diamond AFM Probes

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Life Sciences and Biology

Materials

Semiconductors and Electronics

Others

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