

Global Near-Field Scanning Optical Microscopy (NSOM) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

Near-field scanning optical microscopy (NSOM/SNOM) is a microscopy technique for nanostructure investigation that breaks the far field resolution limit by exploiting the properties of evanescent waves. In SNOM, the excitation laser light is focused through an aperture with a diameter smaller than the excitation wavelength, resulting in an evanescent field (or near-field) on the far side of the aperture. When the sample is scanned at a small distance below the aperture, the optical resolution of transmitted or reflected light is limited only by the diameter of the aperture. In particular, lateral resolution of 20 nm and vertical resolution of 2–5 nm have been demonstrated.

According to our (Global Info Research) latest study, the global Near-Field Scanning Optical Microscopy (NSOM) market size was valued at US\$ 58.7 million in 2023 and is forecast to a readjusted size of USD 73.6 million by 2030 with a CAGR of 3.3% during review period.

Global near-field scanning optical microscopy (NSOM) main players include NT-MDT, Witec, Neaspec, Nanonics imaging, Anasys Instruments(Bruker), A.P.E. Research, Mad City Labs Inc., etc., totally accounting for about 72%. Europe is the largest market, with a share over 59%. As for the types of products, it can be divided into integration model and independent model. The most common product is integration model, holding a share over 94%. In terms of applications, it is widely used in Academic/Government Customers and Applied/Industrial Customers. The most application is Academic/Government Customers, with a share over 66%.

This report is a detailed and comprehensive analysis for global Near-Field Scanning Optical Microscopy (NSOM) 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 2024, are provided.

Key Features:

Global Near-Field Scanning Optical Microscopy (NSOM) market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2019-2030

Global Near-Field Scanning Optical Microscopy (NSOM) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2019-2030

Global Near-Field Scanning Optical Microscopy (NSOM) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2019-2030

Global Near-Field Scanning Optical Microscopy (NSOM) market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K USD/Unit), 2019-2024

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 Near-Field Scanning Optical Microscopy (NSOM)

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 Near-Field Scanning Optical Microscopy (NSOM) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NT-MDT, Witec,

Neaspec, Nanonics imaging, Anasys Instruments(Bruker), A.P.E. Research, Mad City Labs Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Near-Field Scanning Optical Microscopy (NSOM) market is split by Type and by Application. For the period 2019-2030, 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

Integration Model Near-Field Scanning Optical Microscop

Independent Model Near-Field Scanning Optical Microscop

Market segment by Application

Academic/Government Customers

Applied/Industrial Customers

Major players covered

NT-MDT

Witec

Neaspec

Nanonics imaging

Anasys Instruments(Bruker)

A.P.E. Research

Mad City Labs Inc.

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 Near-Field Scanning Optical Microscopy (NSOM) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Near-Field Scanning Optical Microscopy (NSOM), with price, sales quantity, revenue, and global market share of Near-Field Scanning Optical Microscopy (NSOM) from 2019 to 2024.

Chapter 3, the Near-Field Scanning Optical Microscopy (NSOM) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Near-Field Scanning Optical Microscopy (NSOM) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2019 to 2030.

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 2019 to 2024. and Near-Field Scanning Optical Microscopy (NSOM) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Near-Field Scanning Optical Microscopy (NSOM).

Chapter 14 and 15, to describe Near-Field Scanning Optical Microscopy (NSOM) sales channel, distributors, customers, research findings and conclusion.

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