

Near-Field Scanning Optical Microscopy (NSOM) Market - Global Outlook and Forecast 2022-2028

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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.

This report contains market size and forecasts of Near-Field Scanning Optical Microscopy (NSOM) in global, including the following market information:

Global Near-Field Scanning Optical Microscopy (NSOM) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Near-Field Scanning Optical Microscopy (NSOM) Market Sales, 2017-2022, 2023-2028, (Units)

Global top five Near-Field Scanning Optical Microscopy (NSOM) companies in 2021 (%)

The global Near-Field Scanning Optical Microscopy (NSOM) market was valued at 57 million in 2021 and is projected to reach US\$ 71 million by 2028, at a CAGR of 3.3% during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Integration Model Near-Field Scanning Optical Microscop Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Near-Field Scanning Optical Microscopy (NSOM) include NT-MDT, Witec, Neaspec, Nanonics imaging, Anasys Instruments(Bruker), A.P.E. Research and Mad City Labs Inc., etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Near-Field Scanning Optical Microscopy (NSOM) manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Near-Field Scanning Optical Microscopy (NSOM) Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Near-Field Scanning Optical Microscopy (NSOM) Market Segment Percentages, by Type, 2021 (%)

Integration Model Near-Field Scanning Optical Microscop

Independent Model Near-Field Scanning Optical Microscop

Global Near-Field Scanning Optical Microscopy (NSOM) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Near-Field Scanning Optical Microscopy (NSOM) Market Segment Percentages, by Application, 2021 (%)

Academic/Government Customers

Applied/Industrial Customers

Global Near-Field Scanning Optical Microscopy (NSOM) Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Near-Field Scanning Optical Microscopy (NSOM) Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Near-Field Scanning Optical Microscopy (NSOM) revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Near-Field Scanning Optical Microscopy (NSOM) revenues share in global market, 2021 (%)

Key companies Near-Field Scanning Optical Microscopy (NSOM) sales in global

market, 2017-2022 (Estimated), (Units)

Key companies Near-Field Scanning Optical Microscopy (NSOM) sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

NT-MDT

Witec

Neaspec

Nanonics imaging

Anasys Instruments(Bruker)

A.P.E. Research

Mad City Labs Inc.

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