

Nanoelectromechanical Systems Market - Global Outlook and Forecast 2022-2028

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Abstracts

Nanoelectromechanical systems (NEMS) can be described as those with critical structural elements at the nanoscale, i.e., at or below 100 nm. In comparison, microelectromechanical systems (MEMS) have critical structural elements at the micrometer length scale. NEMS also have higher surface to volume ratio as compared to MEMS and are useful for applications regarding ultrasensitive sensors and high frequency resonators. NEMS examples include nanoaccelerometers, nanoresonators, piezoresistive devices, etc.

This report contains market size and forecasts of Nanoelectromechanical Systems in global, including the following market information:

Global Nanoelectromechanical Systems Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Nanoelectromechanical Systems Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Nanoelectromechanical Systems companies in 2021 (%)

The global Nanoelectromechanical Systems market was valued at 46 million in 2021 and is projected to reach US\$ 130.4 million by 2028, at a CAGR of 16.1% during the forecast period.

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

Nano-Tweezers Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Nanoelectromechanical Systems include Agilent Technologies, Sun Innovations, Inc, Nanoshell LLC, Nanocyl, California Institute of Technology (Caltech), Defense Advanced Research Projects Agency (DARPA), Korea Institute of Science and Technology, Materials and Electrochemical Research Corporation and Asylum Research Corporation, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Nanoelectromechanical Systems 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 Nanoelectromechanical Systems Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Nanoelectromechanical Systems Market Segment Percentages, by Type, 2021 (%)

Nano-Tweezers

Nano-Cantilevers

Nano-Switches

Nano-Accelerometers

Nano-Fluidic Modules

Global Nanoelectromechanical Systems Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Nanoelectromechanical Systems Market Segment Percentages, by Application, 2021 (%)

Tools & Equipment Application

Sensing & Control Applications

Solid State Electronics

Others

Global Nanoelectromechanical Systems Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global Nanoelectromechanical Systems 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 Nanoelectromechanical Systems revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Nanoelectromechanical Systems revenues share in global market, 2021
(%)

Key companies Nanoelectromechanical Systems sales in global market, 2017-2022
(Estimated), (K Units)

Key companies Nanoelectromechanical Systems sales share in global market, 2021
(%)

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

Agilent Technologies

Sun Innovations, Inc

Nanoshell LLC

Nanocyl

California Institute of Technology (Caltech)

Defense Advanced Research Projects Agency (DARPA)

Korea Institute of Science and Technology

Materials and Electrochemical Research Corporation

Asylum Research Corporation

Cnano Technology Limited

Inframat Advanced MaterialsTM LLC

Showa Denko K.K

Applied Nanotools Inc

Bruker Corporation

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