

Atomic Magnetometers - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global Atomic Magnetometers Market is growing at a CAGR of 6.9% from 2017 to 2026. Some of the key factors influencing the market growth are high sensitivity to weak magnetic fields, low initial cost, low maintenance cost. However, design issues faced by engineers and necessity to heat sensor vapor cell before operation may hamper the market growth.

Atomic magnetometers are the devices, which are used for high sensitivity detection of magnetic fields in a large number of applications such as locating unexploded underground structures to detecting biomagnetic fields associated with heart and brain. Atomic magnetometers also enable accurate prediction of studies related to drug delivery for pharmaceutical development.

By Product, the Spin-Exchange Relaxation-Free (SERF) Magnetometer segment is growing significantly to during the forecast period due to their high sensitivity per unit volume towards biomagnetic fields. The sensitivity of SERF magnetometers improves upon traditional atomic magnetometers by eliminating the dominant cause of atomic spin decoherence caused by spin-exchange collisions among the alkali metal atoms. By geography, Asia Pacific has the highest market growth during the forecast period attributed to the consumer electronics industry coupled with rapid industrialization in countries including China, Japan, and India.

Some of the key players of Atomic Magnetometers Market include Sinclair Research Center, Inc., Lawrence Berkley National Laboratory, Sandia National Laboratories, Varian Associates, Intel Corporation, The Charles Stark Draper Laboratory, Inc., Southwest Sciences, Inc., Lawrence Berkley National Laboratory, Georgia Tech Research Corporation and Singer Company.

Products Covered:

Spin-Exchange Relaxation-Free (SERF) Magnetometer

Cold Atomic Magnetometry

Channels Covered:

Distributor

Direct Sales

End Users Covered:

Biological

Medical

Other End Users

Applications Covered:

Magnetic Resonance Imaging

Nuclear Magnetic Resonance

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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