

Tunneling Magnetoresistance (TMR) Sensors Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/T59F11787CFDEN.html>

Date: May 2022

Pages: 78

Price: US\$ 3,250.00 (Single User License)

ID: T59F11787CFDEN

Abstracts

A TMR sensor element is a magnetic sensor element using the Tunnel Magneto-Resistance effect (TMR effect).

TMR (Tunnel Magneto Resistance) is a new technology, using magneto resistance effect sensors for industrial applications in recent years. It's tunnel magneto resistance effect is induced by magnetic multilayer film material, the rate of resistance change of TMR performs better than AMR's and GMR's. We usually refer TMR to Magnetic Tunnel Junction (MTJ). Comparing with the Hall element, the MTJ element has better thermal stability, higher sensitivity, lower power consumption, better linearity, no additional polyethylene magnetic circular structure. Relative to AMR, TMR has better temperature stability, higher sensitivity, wider linear range and no additional set / reset coil structure; Relative to the GMR, TMR has higher stability in temperature, higher sensitivity, lower power consumption and wider linear range.

This report contains market size and forecasts of Tunneling Magnetoresistance (TMR) Sensors in global, including the following market information:

Global Tunneling Magnetoresistance (TMR) Sensors Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Tunneling Magnetoresistance (TMR) Sensors Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Tunneling Magnetoresistance (TMR) Sensors companies in 2021 (%)

The global Tunneling Magnetoresistance (TMR) Sensors market was valued at 212

million in 2021 and is projected to reach US\$ 414.3 million by 2028, at a CAGR of 10.0% during the forecast period 2022-2028.

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

Angle Sensors Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Tunneling Magnetoresistance (TMR) Sensors include TDK, Infineon Technologies, Crocus Technology, Coto Technology, MultiDimension Technology, Sinomags and NVE 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 Tunneling Magnetoresistance (TMR) Sensors 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 Tunneling Magnetoresistance (TMR) Sensors Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Tunneling Magnetoresistance (TMR) Sensors Market Segment Percentages, by Type, 2021 (%)

Angle Sensors

Current Sensors

Linear Displacement Sensors

Others

Global Tunneling Magnetoresistance (TMR) Sensors Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Tunneling Magnetoresistance (TMR) Sensors Market Segment Percentages, by Application, 2021 (%)

Automotive

Consumer Electronics

Industrial Equipment

Others

Global Tunneling Magnetoresistance (TMR) Sensors Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Tunneling Magnetoresistance (TMR) Sensors 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 Tunneling Magnetoresistance (TMR) Sensors revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Tunneling Magnetoresistance (TMR) Sensors revenues share in global market, 2021 (%)

Key companies Tunneling Magnetoresistance (TMR) Sensors sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Tunneling Magnetoresistance (TMR) Sensors sales share in global market, 2021 (%)

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

TDK

Infineon Technologies

Crocus Technology

Coto Technology

MultiDimension Technology

Sinomags

NVE Corporation

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