

North America Spintronics Market 2021-2031 by Device Type (Metal-based, Semiconductor-based), Application (EV and Industrial Motor, MRAM, Magnetic Sensing, Semiconductor Laser, Others), Industry Vertical, and Country: Trend Forecast and Growth Opportunity

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Abstracts

North America spintronics market is projected to grow by 35.4% annually in the forecast period and reach \$8,641.6 million by 2031, driven by the various advantages of spintronics over conventional electronics, the increasing deployment of electric vehicles (EV), a rising demand for magnetoresistive random-access memory (MRAM), the technological advancements along with the increase in government initiatives and investments.

Highlighted with 24 tables and 45 figures, this 92-page report “North America Spintronics Market 2021-2031 by Device Type (Metal-based, Semiconductor-based), Application (EV and Industrial Motor, MRAM, Magnetic Sensing, Semiconductor Laser, Others), Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America spintronics market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2019-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America spintronics market in every aspect of the classification from perspectives of Device Type, Application, Industry Vertical, and Country.

Based on Device Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Metal-based Devices

Giant Magneto Resistance-based Device (GMRs)

Tunnel Magneto Resistance-based Device (TMRs)

Spin-transfer Torque Device

Spin-wave Logic Device

Semiconductor-based Devices

Spin Diode

Spin Filter

Spin Field Effect Transistor (FETs)

Based on Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Electric Vehicle and Industrial Motor

Data Storage/MRAM

Magnetic Sensing

Semiconductor Laser

Other Applications

By Industry Vertical, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Automotive & Transportation

IT & Telecommunication

Electronics & Semiconductors

Manufacturing

Healthcare

Other Industry Verticals

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of national markets by Device Type, Application, and Industry Vertical over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

Advanced MicroSensors Corporation

Atomistix A/S

Avalanche Technology Inc.

Crocus Technology

Everspin Technologies Inc.

IBM Corporation

Intel Corporation

NVE Corporation

Spin Memory Inc.

Synopsys (QuantumWise)

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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