

# Global 360° AMR Magnetoresistive Angle Sensor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global 360° AMR Magnetoresistive Angle Sensor market size was valued at US\$ 123 million in 2025 and is forecast to a readjusted size of US\$ 189 million by 2032 with a CAGR of 5.7% during review period.

In 2025, global sales of 360° AMR Magnetoresistive Angle Sensor reached approximately 150 million units, with an average market price of about USD 0.8 per unit, an annual production capacity of roughly 210 million units, and an industry-average gross margin of approximately 35%.

A 360° AMR Magnetoresistive Angle Sensor is a type of magnetic position sensor that exploits the anisotropic magnetoresistance (AMR) effect. Using on-chip AMR resistor arrays, it senses changes in the direction of an external magnetic field and converts the relative angle of a rotating magnet (or field) into an analog or digital output representing 0–360° (or a limited angular span). Compared with conventional Hall-based angle sensors, AMR solutions provide higher sensitivity and better angle linearity at moderate field strengths, enabling high-accuracy, non-contact, wear-free angle measurement with small air gaps. Typical applications include steering-angle sensing, pedal and throttle position, motor rotor position, rotary knobs and encoders.

Upstream, 360° AMR Magnetoresistive Angle Sensors depend on foundries (CMOS/BCD processes), AMR thin-film and magnetoresistive material processing, assembly & test houses, and permanent-magnet suppliers, as well as EDA/IP tools and automotive/industrial qualification infrastructure. In the midstream, chip design and manufacturing companies integrate AMR arrays with signal-conditioning circuitry,

perform wafer fabrication and packaging, and supply products as bare die, standard IC packages or magnet-integrated modules. Downstream, the sensors are integrated by automotive electronics manufacturers (steering, pedal, transmission), industrial automation and motor-drive vendors, and appliance/consumer-electronics makers. Actual consumption is tightly linked to vehicle production, shipments of motors and servo drives, and penetration of smart appliances and tools, with the sensors typically installed once per device and consumed rigidly with end-equipment shipments.

This report is a detailed and comprehensive analysis for global 360° AMR Magneto-resistive Angle Sensor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global 360° AMR Magneto-resistive Angle Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global 360° AMR Magneto-resistive Angle Sensor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global 360° AMR Magneto-resistive Angle Sensor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global 360° AMR Magneto-resistive Angle Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for 360° AMR Magneto-resistive Angle Sensor
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global 360° AMR Magnetoresistive Angle Sensor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Murata Manufacturing, TI, ADI, TE, Infineon, NXP, MEMSIC, MultiDimension Technology, Suzhou Novosense, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

360° AMR Magnetoresistive Angle Sensor market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Single-axis

Multi-axis

### Market segment by Output

Analog

Digital

### Market segment by Application

Automotive Electronics

Industrial Automation

Consumer Electronics

Others

Major players covered

Murata Manufacturing

TI

ADI

TE

Infineon

NXP

MEMSIC

MultiDimension Technology

Suzhou Novosense

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe 360° AMR Magneto-resistive Angle Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 360° AMR Magneto-resistive Angle

Sensor, with price, sales quantity, revenue, and global market share of 360° AMR Magnetoresistive Angle Sensor from 2021 to 2026.

Chapter 3, the 360° AMR Magnetoresistive Angle Sensor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 360° AMR Magnetoresistive Angle Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and 360° AMR Magnetoresistive Angle Sensor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of 360° AMR Magnetoresistive Angle Sensor.

Chapter 14 and 15, to describe 360° AMR Magnetoresistive Angle Sensor sales channel, distributors, customers, research findings and conclusion.

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