Advanced Magnetic Materials Market Size, Share, Growth, Industry Developments and Trends Report, 2025-2032

Key companies covered in advanced magnetic materials market report are TDK Corporation, Hitachi High-Tech Corporation, Daido Kogyo Co., Ltd., & others.

NY, UNITED STATES, May 2, 2025 /EINPresswire.com/ -- The advanced magnetic materials market is experiencing significant growth, driven by the increasing demand for high-performance materials in various industries such as automotive, electronics, renewable energy, and healthcare.

The growing demand in the electronics industry is a key driver of the advanced magnetic materials market. Materials such as rare earth magnets and magnetic nanomaterials play a vital role in a range of electronic devices, including electric motors, sensors, and data storage systems. As the electronics sector evolves, there is an increasing need for magnetic materials with superior properties like greater magnetic strength and enhanced thermal stability. Rising consumer interest in electronic gadgets, automotive electronics, and telecommunications equipment continues to boost market growth.

> The market has become robust due to rising adoption of electric vehicles. Advancement in clean energy led to a further momentum in sustainable transportation, EV motors, and wind turbines."
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□□ Key Players Covered

The report includes the profiles of the following key players:

- TDK Corporation (Japan)
- Hitachi High-Tech Corporation (Japan)
- Daido Kogyo Co., Ltd. (Japan)
- Shin-Etsu Chemical Co., Ltd. (Japan)
- VACUUMSCHMELZE (Germany)
- NINGBO YUNSHENG Co., Ltd. (China)
- Anhui Sinomag Technology Co., Ltd. (China)
- NEO (Japan)
- Arnold Magnetic Technologies (U.S.)

□□ Advanced Magnetic Materials Market Trends

The growth of the advanced magnetic materials market is being significantly influenced by the rise in industrial robotics and the expanding electric vehicle (EV) sector.

Industrial robots require high-performance components that offer fast response times, strong torque, and precise motion control—capabilities made possible by advanced magnetic materials. These materials are essential in the development of compact and powerful servomotors and actuators, which are vital for robotic arms, hands, and motion systems. The growing adoption of such robots across various industries is directly boosting demand for high-quality magnetic materials.

In parallel, the rising adoption of electric vehicles is also fueling market growth. EVs rely heavily on advanced magnets for their motors, which demand materials with high magnetic strength and thermal stability to operate efficiently and reliably.

Additional market momentum is being generated by improving living standards, increasing health awareness, and concerns over air quality. For instance, the State of the Air 2022 report indicated that over 137 million Americans—more than 40% of the population—live in areas with harmful levels of air pollution. This growing awareness is leading to higher demand for air purifiers, especially smart air purifiers that utilize magnetic materials in their motors and filtration systems.

In summary, advancements in industrial automation and electromobility, combined with increasing demand for air quality solutions, are expected to drive sustained growth in the advanced magnetic materials market over the forecast period.

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□□ Advanced Magnetic Materials Market Segmentation

By Type of Magnetic Materials

The global advanced magnetic materials market is segmented into alnico magnets, ferrite magnets, permanent magnet materials, rare-earth magnets, semi-hard magnetic materials, and soft magnetic materials.

Permanent Magnet Materials are projected to lead the market, accounting for 36.47% of the total share by 2035. This dominance is attributed to their exceptional magnetic strength and versatility across applications such as electric motors, generators, and magnetic separators—where strong magnetic fields are essential.

Soft Magnetic Materials are expected to register the fastest compound annual growth rate (CAGR) of approximately 9.48% during the forecast period. Their widespread adoption in energy-efficient electronic devices and power generation systems is driving this rapid growth.

By End-User

The end-user landscape includes automotive, electronics, industrial, medical, power generation, and other sectors.

The automotive sector is anticipated to hold the largest market share, approximately 35.88% by 2035. The rising adoption of electric vehicles (EVs) is a key driver, as advanced magnetic materials are essential for enhancing powertrain efficiency, reducing vehicle weight, and supporting next-generation EV technologies.

The electronics segment is expected to experience the highest CAGR of around 10.85%. This acceleration is being fueled by continuous innovations in consumer electronics, telecommunications, and data storage systems, which demand advanced, high-performance magnetic materials.

□□ By Region

The market is geographically divided into North America, Europe, Asia-Pacific, Latin America, the Middle East & North Africa, and the rest of the world.
Asia-Pacific holds the leading regional position, with a market share of 37.69%. Growth in this region is fueled by a combination of strong automotive manufacturing bases, increasing investments in renewable energy, expanding healthcare infrastructure, and favorable regulatory environments promoting EV adoption.

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□□ Advanced Magnetic Materials Industry Developments

August 2022 – Neo Performance Materials Inc. entered into an agreement with Hudson Resources Inc. to acquire an exploration license for the Sarfartoq Carbonatite Complex, located in southwest Greenland. This strategic move aims to strengthen Neo's position in the rare earth materials supply chain by securing access to a potentially significant resource.

August 2021 – Anhui Sinomag Technology Co., Ltd. signed an agreement with the CPC Lujiang County Committee to initiate the Sinomag Science Park project. This initiative is expected to advance the magnetic materials sector through the establishment of four new manufacturing facilities. The project is designed to produce 15,000 tons of dry-pressed permanent ferrite powder and 10,000 tons of high-performance wet-pressed magnetic tiles annually, significantly expanding Sinomag's production capabilities.

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