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Electronic Device Magnets Market Outlook 2025-2034: Market Share, and Growth Analysis By Product Type (Ferrite Magnets, Neodymium Magnets, Samarium Cobalt Magnets, Alnico Magnets), By Material Type (Permanent Magnets, Electromagnets), By End User

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Abstracts

The Electronic Device Magnets Market is valued at USD 26.7 billion in 2025 and is projected to grow at a CAGR of 9.7% to reach USD 61.5 billion by 2034.

Electronic Device Magnets Market Overview

The electronic device magnets market plays a crucial role in powering modern electronics, from consumer gadgets to industrial applications. These magnets, primarily composed of rare earth elements like neodymium, samarium, and ferrite, are vital in components such as speakers, hard drives, sensors, and electric motors. Growing demand for miniaturized and high-efficiency electronic devices has fueled the market's expansion. Rapid advancements in AI-driven electronics, IoT devices, and electric vehicles have further intensified the need for powerful and compact magnets. Additionally, sustainability concerns have led to increased research into recycling and alternative magnet compositions. With a strong dependency on the supply of rare earth elements, primarily sourced from China, geopolitical and supply chain dynamics significantly impact market trends. As the industry moves towards enhancing magnetic efficiency while reducing environmental impact, the market is poised for steady growth in the coming years. The electronic device magnets market witnessed significant developments driven by supply chain shifts and technological advancements. With heightened geopolitical tensions, companies sought to diversify their raw material sourcing, leading to new mining projects in North America and Australia. The push for sustainable production led to increased investment in magnet recycling technologies,

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helping manufacturers reduce dependence on primary rare earth sources. Additionally, AI-integrated smart electronics fueled demand for ultra-small and energy-efficient magnets, enabling thinner, more powerful components. Consumer electronics giants ramped up production of next-generation wearables, smart home devices, and AR/VR equipment, further accelerating magnet consumption. The automotive industry also contributed to the demand surge, as electric vehicle (EV) adoption soared globally, necessitating high-performance magnet applications in electric drivetrains, power steering, and infotainment systems. Moreover, governments worldwide launched initiatives to establish resilient supply chains and domestic production capabilities for critical minerals, reducing reliance on single-source suppliers. The electronic device magnets market is expected to witness groundbreaking innovations and structural shifts. The demand for high-coercivity magnets will rise with the growing prevalence of next-generation 5G and AI-powered electronics, requiring robust components capable of handling high frequencies. Companies will accelerate the transition towards rare-earth-free or hybrid magnet solutions to mitigate price volatility and supply risks associated with traditional materials. Research into nanostructured and high-temperature-resistant magnet compositions will drive efficiency gains, making electronic components even more compact and powerful. The adoption of 3D printing in magnet manufacturing is set to revolutionize production processes, enabling customized designs and reducing material wastage. Meanwhile, as EV adoption reaches new heights, manufacturers will focus on developing cost-effective, sustainable magnets to improve battery efficiency and overall vehicle performance. The circular economy model will gain traction, with closed-loop recycling and resource recovery becoming industry norms to ensure long-term material sustainability. As the decade progresses, global collaboration in magnet research and development is expected to reshape the industry, driving a shift toward self-sufficient and eco-friendly production practices.

Key Insights Electronic Device Magnets Market

Rare-Earth-Free Magnet Innovations: Manufacturers are aggressively researching alternatives to rare-earth-based magnets, such as iron-nitride and samarium-cobalt alloys, to mitigate supply chain risks and price volatility.

Recycling and Circular Economy Models: The industry is shifting towards magnet recycling technologies to recover valuable materials, reducing dependence on new rare earth mining.

3D Printing and Advanced Manufacturing: Additive manufacturing is revolutionizing magnet production, allowing for customized shapes, reduced

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material waste, and enhanced magnetic performance.

Integration in AI and IoT Devices: The demand for highly efficient magnets is rising as smart electronics, AI-powered devices, and IoT applications require advanced sensor and motor technologies.

Rising Geopolitical Impact on Supply Chains: Countries are investing in domestic rare earth mining and processing capabilities to counterbalance China's dominance in magnet raw materials.

Growing Electric Vehicle (EV) Adoption: The surge in EV production and demand for high-performance motors is driving the need for powerful magnets used in drivetrains and auxiliary systems.

Expansion of Consumer Electronics: With the increasing popularity of smart wearables, AR/VR devices, and next-gen computing gadgets, magnet usage in compact electronics is escalating.

Advancements in Renewable Energy Technologies: Wind turbines, which heavily rely on high-strength permanent magnets, are experiencing higher adoption due to global clean energy initiatives.

Government Policies Supporting Local Production: Many countries are implementing policies to develop domestic rare earth mining and magnet manufacturing industries, reducing reliance on imports.

Volatile Rare Earth Element Prices: Fluctuating prices and supply chain disruptions in rare earth materials pose a significant challenge to manufacturers, necessitating alternative sourcing strategies and material innovations.

Electronic Device Magnets Market Segmentation

By Product Type

- Ferrite Magnets
- Neodymium Magnets

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Samarium Cobalt Magnets

Alnico Magnets

By Material Type

Permanent Magnets

Electromagnets

By End User

Consumer Electronics

Aerospace and Defense

Industrial and Automation

Healthcare

Automotive

Energy

Consumer Goods

Others

Key Companies Analysed

Shin-Etsu Chemical Co. Ltd.

TDK Corporation

Hitachi Metals Ltd.

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Yantai Shougang Magnetic Materials Inc.

Vacuumschmelze GmbH & Co. KG

Yantai Zhenghai Material Co. Ltd.

Arnold Magnetic Technologies

Hangzhou Permanent Magnet Group

Thomas & Skinner Inc.

Magx America Inc.

Bunting Magnetics Co.

Industrial Magnetics Inc.

Electron Energy Corporation

Magnum Magnetics Corporation

Viona Magnetics

JPMF Guangdong Co. Ltd.

Ninggang Permanent Magnetic Materials Co. Ltd.

Intermetallics Japan Corporation

Ningbo Co-Star Materials Hi-Tech Co. Ltd.

Risheng Magnets International Co. Ltd.

Molycorp Magnequench

Permanent Magnets Ltd.

Magnetic Hold Inc.

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OneMonroe (Monroe Engineering Products)

Magnetic Component Engineering

Integrated Magnetics

Magnet Technology

Electronic Device Magnets Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Electronic Device Magnets Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Electronic Device Magnets market data and outlook to 2034

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United States

Canada

Mexico

Europe — Electronic Device Magnets market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Electronic Device Magnets market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

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Vietnam

Middle East and Africa — Electronic Device Magnets market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Electronic Device Magnets market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Electronic Device Magnets value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

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What is the current and forecast market size of the Electronic Device Magnets industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Electronic Device Magnets Market Report

Global Electronic Device Magnets market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Electronic Device Magnets trade, costs, and supply chains

Electronic Device Magnets market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Electronic Device Magnets market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Electronic Device Magnets market trends, drivers, restraints, and opportunities

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Porter’s Five Forces analysis, technological developments, and Electronic Device Magnets supply chain analysis

Electronic Device Magnets trade analysis, Electronic Device Magnets market price analysis, and Electronic Device Magnets supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Electronic Device Magnets market news and developments

Additional Support

With the purchase of this report, you will receive

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