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High Performance Magnet Market to Reach USD 16.89B by 2036, Asia Pacific Leads with Hitachi Metals, & TDK Driving Growth

EV production, wind turbines, and industrial automation drive high performance magnet demand globally, with China, India, Germany, and USA leading growth.

NEWARK, DE, UNITED STATES, April 2, 2026 /EINPresswire.com/ -- The global [high performance magnet market] is valued at USD 10.88 billion in 2026 and is projected to reach USD 16.89 billion by 2036, expanding at a CAGR of 4.5%.

Growth is fueled by EV production ramps, wind turbine installation programs, and industrial machinery adoption, where sintered NdFeB magnets dominate due to high coercivity and thermal stability, while hot-pressed magnets and other advanced compositions gain share in specialized industrial and aerospace applications.

High Performance Magnet Market Snapshot (2026–2036)

The market size in 2026 is USD 10.88 billion and is expected to reach USD 16.89 billion by 2036, growing at a CAGR of 4.5%. Sintered magnets lead by type with a 62.8% share, EVs lead by application with 41.3% share, and automotive manufacturing dominates end-use at 38.7%. Key regions driving growth include Asia Pacific, North America, and Europe, with major players such as Hitachi Metals Group, Shin-Etsu, and TDK.

Market Momentum

Between 2026 and 2030, the market is projected to reach approximately USD 12.9 billion, driven by electric vehicle traction motor production and industrial automation expansion. From 2030 to 2036, the market further expands to USD 16.89 billion, supported by growth in wind turbine direct-drive generators, renewable energy infrastructure, and precision industrial machinery applications.

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Why the Market is Growing

High performance magnets provide high magnetic energy, coercivity retention, and thermal stability, critical for EV motors, wind turbine generators, industrial robots, medical imaging equipment, aerospace systems, and home appliances. Key growth drivers include global EV adoption, industrial automation, renewable energy installation, and advanced manufacturing requirements for high-efficiency, reliable magnetic systems.

Product and Segment Spotlight

Sintered magnets dominate due to high performance in EV and industrial applications, growing at a 4.6% CAGR. EVs are the leading application segment with a 41.3% share, essential for traction motors and powertrain efficiency. Automotive manufacturing remains the largest end-use sector, followed by industrial machinery, renewable energy, and medical equipment applications.

Country-Level Growth Outlook

China leads growth at 6.1% CAGR, driven by EV production and magnet manufacturing. India follows at 5.6%, supported by industrial modernization and EV infrastructure. Germany grows at 5.2% through automotive OEM electrification, while Brazil expands at 4.7% via automotive and industrial investment. The USA grows at 4.3%, fueled by EV adoption and renewable energy programs. UK grows at 3.8% and Japan at 3.4%, emphasizing precision industrial and automotive applications.

Competitive Landscape

The market is moderately consolidated, focusing on product quality, technical innovation, and supply chain reliability. Key players include Hitachi Metals Group, Shin-Etsu, TDK, VAC, Beijing Zhong Ke San Huan Hi-Tech, Yunsheng Company, YSMA, JL MAG, ZHmag, Jingci Material Science, AT&M, NBJJ, Innuovo Magnetics, SGM, Zhejiang Zhongyuan Magnetic, Earth-Panda, Daido Electronics, and Tianhe Magnetics.

Analyst Insight

High performance magnets represent a specialty materials market where product specifications, rather than price, drive procurement. Sintered magnets dominate general-purpose applications, while hot-pressed and advanced magnet compositions serve specialized industrial, aerospace, and renewable energy sectors. EVs lead application demand, while automotive manufacturing dominates end-use requirements.

Future Outlook

The high performance magnet market is expected to sustain steady growth over the next decade, driven by EV production expansion, wind turbine installations, industrial automation adoption, and development of high-efficiency, thermally stable magnetic solutions.

Frequently Asked Questions (FAQ)

What are high performance magnets?
They are permanent magnet materials engineered to provide high magnetic energy, thermal stability, and coercivity for EV, industrial, aerospace, and medical applications.

Which types and applications dominate the market?
Sintered NdFeB magnets lead by type, and electric vehicles (traction motors) lead applications due to compact motor packaging and efficiency requirements.

What are the main end-use sectors?
Key end-use sectors include automotive manufacturing, industrial machinery, renewable energy systems, medical equipment, and consumer electronics.

Which regions and countries lead growth?
Asia Pacific leads globally, with fastest-growing countries including China, India, Germany, Brazil, USA, UK, and Japan.

Who are the key market players?
Major companies include Hitachi Metals Group, Shin-Etsu, TDK, VAC, Beijing Zhong Ke San Huan Hi-Tech, Yunsheng Company, YSMA, JL MAG, ZHmag, and Jingci Material Science.

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