

Global Bonded NdFeB Magnetic Powder Market Growth 2026-2032

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Abstracts

The global Bonded NdFeB Magnetic Powder market size is predicted to grow from US\$ 1041 million in 2025 to US\$ 1900 million in 2032; it is expected to grow at a CAGR of 9.0% from 2026 to 2032.

In 2025, global sales of bonded NdFeB magnetic powder reached 11,200 tons, with an average selling price of US\$95,000 per ton. Bonded NdFeB magnetic powder is a high-performance magnetic material prepared using rare earth elements neodymium, iron, and boron through powder metallurgy and binder processes. It is mainly used to manufacture bonded NdFeB permanent magnets, which are widely used in new energy vehicle motors, wind turbines, home appliances, precision instruments, and industrial automation equipment. This product features stable magnetic properties, high temperature resistance, strong oxidation resistance, the ability to be molded into complex shapes, and high magnetic energy product. It is commonly manufactured using hot pressing, cold pressing, or injection molding processes. In 2025, the global total production capacity was approximately 13,500 tons, with the industry's gross profit margin remaining between 22% and 31%.

The upstream sector primarily involves suppliers of rare earth metals (neodymium, praseodymium), iron powder, boron powder, epoxy resin, and polymer binders. Downstream suppliers mainly provide products to manufacturers of new energy vehicle motors, wind power equipment, precision instruments, and home appliances. New energy vehicle drive motors account for the largest share of consumption, followed by wind turbines and high-end industrial equipment. Upstream material consumption is mainly concentrated in NdFeB alloy powder and binder materials.

With the rapid development of the global new energy vehicle, clean energy, and

intelligent manufacturing industries, the market demand for bonded NdFeB magnetic powder continues to grow. High energy product, high temperature resistance, and environmentally friendly magnetic powder products will become the core development direction in the future. The business opportunities brought by rare earth resource integration and the replacement of traditional motor magnetic materials with high-end magnetic materials are significant.

From a market development perspective, bonded NdFeB magnetic powder is in a phase of continuous demand expansion, driven primarily by the growing demand for miniaturization and high performance in new energy vehicles, power tools, industrial automation, smart home appliances, and consumer electronics. Compared to sintered NdFeB materials, bonded NdFeB magnetic powder offers advantages such as high dimensional accuracy, the ability to form complex structures in a single step, high material utilization, and suitability for mass automated production. Therefore, its application in micro-motors, sensors, actuators, and precision drive systems is continuously expanding. As end products move towards lightweighting and integration, the market penetration rate of bonded magnets is expected to further increase.

From a competitive landscape perspective, Japanese, Chinese, and European companies still dominate the high-end market. Japanese companies maintain a technological advantage in magnetic powder preparation processes, consistency control, and high-heat-resistant products, while Chinese companies are continuously increasing their global market share thanks to their complete rare earth industry chain, cost advantages, and rapid capacity expansion capabilities. Future industry competition will gradually shift from simple capacity competition to competition in high-performance magnetic powder formulations, rare earth utilization efficiency, product stability, and customized development capabilities. The technological barriers in the high-end market remain high.

From a supply chain perspective, fluctuations in rare earth raw material prices remain a key factor influencing industry development. Neodymium, praseodymium, and dysprosium, among other rare earth elements, account for a significant portion of costs; therefore, the stability of raw material supply directly impacts corporate profitability. In recent years, the industry has been actively promoting the development of low-heavy-earth, heavy-earth-free, and high-magnetic-performance formulations to reduce reliance on key rare earth resources and enhance overall product competitiveness. Companies with both rare earth resource security and integrated magnetic powder production capabilities are more likely to gain a long-term competitive advantage.

Looking at future development trends, high magnetic energy product, high temperature resistance, high reliability, and environmental friendliness will become important technological upgrade routes for bonded NdFeB magnetic powder. Emerging application areas such as electronic water pumps for new energy vehicles, electric compressors, EPS steering systems, robot joint motors, drone drive systems, and AI server cooling motors are creating new growth points in demand. With the acceleration of global electrification and intelligentization, bonded NdFeB magnetic powder is expected to become a significant niche market with faster growth than traditional magnetic materials. Significant commercial opportunities exist in the areas of high-performance magnetic powder domestic substitution, high-end injection-molded magnets, and magnetic powder for new energy vehicles.

LP Information, Inc. (LPI) 's newest research report, the "Bonded NdFeB Magnetic Powder Industry Forecast" looks at past sales and reviews total world Bonded NdFeB Magnetic Powder sales in 2025, providing a comprehensive analysis by region and market sector of projected Bonded NdFeB Magnetic Powder sales for 2026 through 2032. With Bonded NdFeB Magnetic Powder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Bonded NdFeB Magnetic Powder industry.

This Insight Report provides a comprehensive analysis of the global Bonded NdFeB Magnetic Powder landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Bonded NdFeB Magnetic Powder portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Bonded NdFeB Magnetic Powder market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Bonded NdFeB Magnetic Powder and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Bonded NdFeB Magnetic Powder.

This report presents a comprehensive overview, market shares, and growth opportunities of Bonded NdFeB Magnetic Powder market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Isotropic Magnetic Powder

Anisotropic Magnetic Powder

Segmentation by Manufacturing Process:

Rapid Quenching Magnetic Powder

HDDR Magnetic Powder

Others

Segmentation by Particle Size:

Particle Size:

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