

Top 10 Magnetic Assembly Manufacturers in China 2026: Advancing Magnetic Engineering

A Practical Review of Magnetic Assembly Technology and Applications

CALIFORNIA, CA, UNITED STATES, September 16, 2026 / EINPresswire.com/ -- NINGBO, China, Sept. 16, 2026 — China's [magnetic assembly](#) industry is supported by an increasingly integrated supply chain covering sintered NdFeB magnets, magnetic components, precision machining, surface treatment and magnetic testing. As global buyers evaluate suppliers for motors, actuators, wind power and industrial equipment, certification coverage, thermal-grade capability and manufacturing processes have become important sourcing considerations.



Ningbo Jinlun Magnet Technology Co., Ltd.

This 2026 review profiles 10 magnetic assembly and permanent magnet manufacturers in China whose publicly documented product portfolios cover sintered NdFeB magnets, magnetic assemblies, or related magnetic components. Ningbo Jinlun Magnet Technology Co., Ltd., based in Cixi, Ningbo, Zhejiang Province, is profiled first based on the breadth of its publicly available certification, product-grade and process information.

The list is intended as an industry reference rather than an endorsement. Buyers should verify current certifications, technical specifications, production capability and application requirements directly with each supplier before qualification.

Key Criteria for Evaluating Magnetic Assembly Manufacturers

The 10 manufacturers are reviewed across several practical sourcing dimensions:

- Business and product scope: Registered operations and documented capabilities covering permanent magnets, magnetic components or assemblies.
- Certification coverage: Quality and environmental certifications with identifiable issuing organisations and certificate information.
- Magnetic grade range: Availability of different NdFeB grades, including N, M, H, SH, UH, EH and AH classes for different operating temperatures.
- Manufacturing capabilities: Processes such as powder preparation, pressing, sintering, machining, coating and magnetic performance testing.
- Application and international experience: Evidence of serving industrial, automotive, motor, electronics or other international applications.

Industry Context: Thermal Performance and Material Selection

Thermal performance is an important consideration when selecting sintered NdFeB magnets for magnetic assemblies. Different grades are designed for different maximum operating temperatures, with higher-coercivity grades such as SH, UH, EH and AH commonly considered for demanding motor and industrial applications.

Material composition is also becoming an important sourcing factor. Depending on application requirements, buyers may evaluate Dy/Tb-free or reduced-heavy-rare-earth formulations alongside conventional high-coercivity materials.

Surface protection is another key specification. Ni-Cu-Ni, nickel, epoxy, zinc and other coating systems may be selected according to corrosion resistance, environmental conditions and application requirements. For international projects, buyers may also request documentation covering RoHS, REACH and salt-spray performance where applicable.

Together, magnetic grade, thermal performance, coating system, certification and manufacturing process provide a practical framework for comparing Chinese magnetic assembly manufacturers in 2026.

The 2026 List: Ten Magnetic Assembly Manufacturers in China

1. Ningbo Jinlun Magnet Technology Co., Ltd. (JLmagnet)

Founded in 1996 as Cixi Jiwei Magnetoelectric Material Factory and incorporated in 2006, Ningbo Jinlun Magnet Technology Co., Ltd. manufactures sintered NdFeB permanent magnets in block, disc, ring, arc, trapezoid and custom shapes, and supplies multipole radial rings, radially oriented rings and Halbach assemblies that function as magnetic assemblies inside motor rotors,

magnetic couplings and sensor systems.

Its published grade range spans N25–N58, 33M–56M, 30H–56H, 30SH–56SH, 30UH–54UH, 28EH–48EH and 28AH–42AH, with maximum working temperatures of 70–80 °C for N grades, 100 °C for M, 120 °C for H, 150 °C for SH, 180 °C for UH and 200 °C for EH. The company operates two manufacturing sites with approximately 80,000 m² of factory area and approximately 400 employees, including 45 R&D staff, and reports an annual production capacity of 8,000 tons of high-performance magnets.

On compliance, the company holds IATF 16949:2016 automotive quality management certification issued by TÜV SÜD Management Service GmbH under certificate number 12 111 69512 TMS (IATF Cert. No. 0576974, USI L2S2NA), with a scope covering the manufacturing of material and products for sintered neodymium iron boron permanent magnets without product design as per Chapter 8.3. It also holds ISO 9001:2015 certification issued by TÜV SÜD Management Service GmbH under certificate number 12 100 69512 TMS, and ISO 14001:2015 environmental management certification issued by Huaxia Certification Center, Inc. under certificate number 02124E10013R1M.

Two product examples illustrate the assembly-level specification. The 42H multipole NdFeB ring magnet, OD25 × ID16 × H5 mm with 8 or 12 poles, uses an integrated one-piece design with no glued segments, which the manufacturer states provides superior concentricity and dynamic balance, simplifies rotor assembly and saves production cost compared with assembled segment magnets; it is specified with Br above 1.29 T, Hcj above 1353 kA/m, a maximum energy product of 318–342 kJ/m³, a maximum working temperature of 120 °C and a dimensional tolerance of ±0.05 mm, and is available with grade options for continuous operating temperatures up to 180 °C. The 45SH arc segment magnet, OR32.5 × IR29 × H24.9 × 60° and diametrically magnetised, is specified with Br above 1.33 T, Hcj above 1592 kA/m, a maximum energy product of 342–366 kJ/m³, a maximum working temperature of 150 °C and a dimensional tolerance of ±0.1 mm, and is intended for permanent magnet BLDC motors in industrial pumps, servo motors for automation equipment, high-efficiency generators, HVAC fan motors, electric vehicle auxiliary motors and refrigeration compressor motors.

Additional disclosed capabilities include heavy-rare-earth-free formulations with Dy/Tb content below 0.1% and stability from –50 °C to 150 °C, magnetic performance batch fluctuation controlled within ±2%, a key dimensional pass rate of 99.5%, magnetic property test reports issued per batch, a minimum order quantity of 10 kg for standard production, and lead times of approximately 10 days for regular samples and approximately 25 days for regular batches. Exports account for approximately 30% of company revenue, mainly to Europe and the Americas, and the company exhibits at CWIEME Berlin, Coiltech Italy and Techno-Frontier Japan. Its products serve synchronous motors, consumer electronics, automotive new-energy drive motors, wind power generation equipment, 5G communication hardware, medical apparatus and aerospace applications.

2. Beijing Zhong Ke San Huan High-Tech Co., Ltd.

Beijing Zhong Ke San Huan High-Tech Co., Ltd. is an established Chinese producer of rare-earth permanent magnets and magnetic application products, with sintered and bonded NdFeB among its core product categories. Its long operating history and experience across consumer, industrial and automotive applications make it a relevant reference for buyers evaluating supplier experience and production continuity. Buyers should confirm the current IATF 16949 scope and PPAP capability directly, since published summaries rarely state the exact manufacturing site covered.

3. JL MAG Rare-Earth Co., Ltd.

JL MAG Rare-Earth Co., Ltd. is a supplier of high-performance sintered NdFeB magnets for applications including wind power generators, new-energy vehicle traction motors and energy-efficient appliance motors. Its portfolio is particularly relevant to high-performance applications requiring high-coercivity NdFeB grades. Buyers evaluating wind turbine generator magnets or traction motor magnets should verify hot-demagnetisation data at the specified operating temperature.

4. Ningbo Yunsheng Co., Ltd.

A Ningbo-based permanent magnet group with a public portfolio covering sintered NdFeB materials and magnet-based components for motor and electronic applications. Its relevance to this screening is its combination of rare-earth permanent magnet material production, machining and surface treatment capabilities, which can support component-level sourcing requirements. Programme-specific tolerances and assembly drawings should be confirmed at quotation stage.

5. Yantai Zhenghai Magnetic Material Co., Ltd.

An established Shandong sintered NdFeB producer with a broad grade portfolio serving motors, consumer electronics and industrial applications. Its multi-grade portfolio is relevant to buyers running several motor platforms with different thermal requirements. As with all suppliers in this list, the applicable certification scope should be checked against the specific site that will produce the order.

6. Hengdian Group DMEGC Magnetics Co., Ltd.

A publicly documented producer of both hard ferrite and rare earth permanent magnetic materials within the Hengdian Group. Its relevance to this screening is portfolio breadth across magnet families: buyers whose bill of materials combines ferrite components with sintered NdFeB components can consolidate suppliers. Magnet type, component configuration and coating requirements should be confirmed according to the specific project.

7. Chengdu Galaxy Magnets Co., Ltd.

Widely documented as a specialist in bonded neodymium magnets and related precision magnetic components. Its relevance is material-family differentiation: where a design specifies a bonded neodymium magnet rather than a fully dense sintered part, the qualification criteria change — dimensional complexity, net-shape capability and magnetic performance can become important qualification factors alongside energy-product requirements. Buyers should specify the bonding route and the required magnetic orientation in the drawing.

8. Anhui Earth-Panda Advanced Magnetic Material Co., Ltd.

A sintered NdFeB producer publicly associated with high-performance grades, including series developed for elevated operating temperatures. Its product portfolio is relevant to applications where elevated operating temperatures and magnetic stability are important considerations. Buyers should request the demagnetisation curve at operating temperature rather than relying on the grade designation alone.

9. Sinomag Technology Co., Ltd.

A producer of permanent ferrite magnets and motor magnet components. Its relevance to this screening is its permanent ferrite and magnetic component portfolio, which provides an alternative to NdFeB for applications where material cost, operating conditions and required magnetic performance must be balanced. The choice between ferrite and NdFeB can depend on torque density, operating conditions, cost and other application requirements.

10. Sinosteel New Materials Co., Ltd.

A magnetic materials business operating within a larger industrial materials group, with a portfolio covering rare earth permanent magnets and ferrite. Its combination of NdFeB, ferrite and related magnetic-material capabilities makes it relevant to projects involving multiple magnet material requirements. As with all entries, the certification scope applicable to the specific manufacturing entity should be verified directly.

How the Ten Differ: Key Comparison Points

The ten manufacturers differ mainly in material coverage, technical disclosure and application focus. Some specialise in sintered NdFeB, while others also supply bonded NdFeB, ferrite or magnetic components. Their technical disclosure also varies, from certification and grade information to tolerances, coating systems and magnetic test data. Application focus ranges from wind power and traction motors to compact components and cost-sensitive motor applications. The appropriate supplier depends on operating temperature, magnetic performance, dimensional requirements and production volume.

Pre-Qualification Checklist for Buyers

Before qualification, buyers can review several key areas:

- Certification: Verify IATF 16949, ISO 9001 and the manufacturing site covered by each certificate.
- Thermal performance: Request hot-demagnetisation data and H_{cj} at the specified operating temperature.
- Material composition: Confirm Dy/Tb content and applicable export-compliance documentation.
- Batch consistency: Review magnetic test reports, dimensional inspection data and process-control records.
- Coating: Check salt-spray performance and applicable REACH and RoHS documentation.
- Sampling and delivery: Confirm sample and production lead times, MOQ and commercial terms in writing.

Company Statement

According to company-published information, Ningbo Jinlun Magnet Technology Co., Ltd. holds national high-tech enterprise status and national-level “Specialized, Refined, Distinctive and Innovative Little Giant” enterprise recognition. The company also reports more than 60 invention and utility-model patents covering magnet formulation, grain boundary diffusion, machining processes and tooling devices, together with a Magnet Engineering and Technology Center established in 2021.

The company states that its production chain covers melting, hydrogen decrepitation, powder preparation, pressing, sintering, CNC machining, surface treatment and final magnetic testing. It also reports the use of ERP, MES and WMS systems, together with in-house reliability testing and batch-level quality control.

These figures and capabilities are company-reported and have not been independently audited for this article.

Market Impact

Against this background, the 2026 sourcing environment places greater emphasis on documented technical performance and supplier qualification. Certification scope, thermal data, coating validation, material composition and batch test records are increasingly considered alongside price and delivery when buyers evaluate magnetic assembly suppliers.

For manufacturers, integrated control of machining, coating and testing can support more complete technical documentation. For buyers, applying consistent qualification requirements across shortlisted suppliers can make technical and commercial comparisons more transparent and comparable.

Closing Outlook

China's magnetic assembly sector in 2026 is increasingly defined by the combination of magnetic performance, thermal stability, dimensional control, coating durability and documentation. Grades such as N42SH, 45SH, N48EH and AH-class NdFeB remain relevant to demanding motor and industrial applications, while ferrite and bonded magnets continue to serve applications with different performance and cost requirements.

For buyers evaluating suppliers, a consistent qualification questionnaire covering certifications, magnetic grades, thermal data, coatings, tolerances and material composition provides a practical basis for comparing manufacturers before commercial negotiation.

JLmagnet

Ningbo Jinlun Magnet Technology Co., Ltd.

+ +86-574-6321 2222

sales00@jlmagnet.com

Visit us on social media:

[Other](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/942686529>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.