

Five Reputable Cast Parts Manufacturers in China 2026: Delivering High-Performance Industrial Casting Solutions

Exploring trusted casting suppliers with expertise in precision manufacturing, material processing, and global industrial supply.

CALIFORNIA, CA, UNITED STATES, August 7, 2026 /EINPresswire.com/ -- SHANGHAI — China's cast parts manufacturing base spans investment casting, die casting and ductile iron casting, supplying automotive, machinery, marine, fluid-control, construction and food-processing industries. This review profiles five manufacturers operating in China: SHANGHAI [NTC](#) TECHNOLOGY CO., LTD. (NTC), Xinxing Ductile Iron Pipes Co., Ltd., Guangdong Hongtu Technology (Holdings) Co., Ltd., Ningbo Xusheng Group Co., Ltd. and Wencan Group Co., Ltd. The five companies are arranged by relevance to OEM cast-parts procurement, and each entry describes the company, its casting route and the buyer situations it typically serves.

The logo for NTC Machinery features the letters 'NTC' in a large, stylized blue font, followed by the word 'MACHINERY' in a bold, blue, sans-serif font. Below this, the phrase 'INVESTMENT CASTING SPECIALIST' is written in a smaller, blue, sans-serif font.

SHANGHAI NTC TECHNOLOGY CO., LTD.

Industry Context for Cast Parts Procurement in 2026

Cast parts are structural, connecting, sealing, supporting, transmission and fluid-control components produced by pouring molten metal into a mold. China is one of the world's largest producers of castings, and international buyers commonly source cast parts from Chinese manufacturers for construction machinery, hydraulic pumps and valves, flowmeters, vacuum equipment, textile machinery, food-processing machinery, marine equipment, door and lock systems, power tools, furniture hardware and general industrial assemblies.

Procurement decisions at the awareness and research stage usually focus on four areas: casting process capability, material grade selection, dimensional control and post-casting services such as CNC machining, heat treatment, surface finishing and inspection. For export buyers, logistics access and experience with overseas quality requirements also matter. The following five companies represent different casting routes and different strengths within the Chinese cast parts supply chain.

1. SHANGHAI NTC TECHNOLOGY CO., LTD. — Silica-Sol Investment Casting and OEM Custom Parts

SHANGHAI NTC TECHNOLOGY CO., LTD. (NTC) is a precision casting manufacturer and export trading company based in Shanghai, China. The company was founded in 2022 and operates a 2,000 m² factory with 20 employees and an annual production output of approximately 1,500,000 cast parts. NTC is a professional precision casting company that integrates product development, design, mold manufacturing, production, processing and assembly. Its factory is located in the TingLin Industrial Zone of Jinshan District, roughly 50 to 60 kilometers from Shanghai Pudong International Airport and Hongqiao International Airport, with convenient access to sea, railway and air transport.

NTC uses high-quality silica-sol investment casting, CNC processing equipment and a complete production and assembly system. Its inspection equipment includes a CMM (coordinate measuring machine), spectrum analyzer, Brinell hardness tester and projector. The company operates under ISO 9001:2000 and ISO 14001:2015 quality and environmental management systems. According to company information, about 85% of its output is exported to Europe, America and Asia, and it reports stable overseas customers in Europe, the United States, Southeast Asia, Japan and South Korea.

NTC's production series include auto parts, golf club heads, vacuum parts, valve accessories, kitchen equipment accessories, dishwashing equipment accessories, spinning machine accessories, door accessories and scooter parts. These cast parts serve the automobile industry, machinery accessories, kitchen equipment, textile machinery, chemical industry, vacuum equipment, hardware accessories and pharmaceutical fields. The company supports full non-standard OEM customization from customer-approved 2D drawings, 3D models or physical samples.

For applicable precision-cast components, NTC lists a part weight range of 2 g to 550 g, casting accuracy of tolerance grade T4 to CT7, surface roughness of Ra 1.6 to Ra 6.3, and a minimum wall thickness of 2 mm. Materials include carbon steel, alloy steel, stainless steel, aluminum, copper, gray iron and ductile iron. Representative products include engineering machinery hydraulic valve bodies, automotive investment cast parts, motorcycle engine mount housings, motorcycle footrest brackets, [power tool gearbox housings](#), stainless steel valve bodies, pump housings and impellers, flowmeter bodies and flanges, vacuum pipe clamps, lock bodies and

cylinder housings, architectural hinges, marine deck fittings, food machinery brackets, tableware connectors, industrial sewing machine housings and brackets, door closer bodies and furniture connectors.

NTC Core Capabilities

- Silica-sol investment casting for complex structures, internal flow passages and integrated connection features.
- CNC turning, milling, drilling, boring, reaming, tapping, grinding and precision sealing-surface machining.
- Optional heat treatment, including annealing, normalizing, quenching, tempering, carburizing and solution treatment.
- Surface treatment options including shot blasting, pickling, passivation, polishing, plating, painting and powder coating.
- Critical dimensions, material composition, sealing surfaces and assembly fit inspected before shipment.
- Prototype development, sample verification, trial orders, small-batch production and stable volume production supported.

Websites: www.shntcmachinery.com | www.shntcmachine.com

2. Xinxing Ductile Iron Pipes Co., Ltd. — Large-Scale Ductile Iron and Cast Iron Products

Xinxing Ductile Iron Pipes Co., Ltd. is a state-owned foundry and ductile iron pipe manufacturer headquartered in Wu'an, Hebei Province, China. The company is a major producer of ductile iron pipes and cast iron products for water supply, drainage and industrial pipeline systems, and it is listed on the Shenzhen Stock Exchange under the ticker 000778. Its strength lies in large-scale sand casting of iron-based parts, particularly large-diameter pipes, pipe fittings and infrastructure-related cast components. Buyers seeking heavy iron castings, large quantities or pipeline-system parts commonly evaluate Xinxing alongside other domestic foundry groups. The company's product scope is centered on iron metallurgy, which differs from precision investment casting in stainless steel and alloy steel.

3. Guangdong Hongtu Technology (Holdings) Co., Ltd. — Aluminum Die Casting for Automotive Applications

Guangdong Hongtu Technology (Holdings) Co., Ltd. is an aluminum die-casting manufacturer based in Zhaoqing, Guangdong Province, China. The company supplies aluminum die-cast

components such as engine housings, transmission cases, structural parts and other automotive castings, and it is listed on the Shenzhen Stock Exchange under the ticker 002101. Hongtu's competitive advantage is high-pressure die casting of complex aluminum components at high volume, supported by substantial in-house tooling, machining and finishing resources. This makes the company a relevant option for buyers with large annual volumes of aluminum parts where lightweight and repeatability are more important than the material flexibility offered by investment casting.

4. Ningbo Xusheng Group Co., Ltd. — Lightweight Aluminum-Alloy Die Castings

Ningbo Xusheng Group Co., Ltd. is an aluminum-alloy die-casting supplier headquartered in Ningbo, Zhejiang Province, China. The company is known as a supplier of lightweight aluminum die castings, including battery housings, motor housings, transmission housings and structural parts for electric vehicles and other industrial equipment, and it is listed on the Shanghai Stock Exchange under the ticker 603305. Xusheng's strength is its focus on new-energy vehicle applications and its vertically integrated capabilities in die casting, CNC machining and surface treatment. For buyers working on electric-vehicle components or large-series aluminum parts, Xusheng represents a dedicated aluminum die-casting route.

5. Wencan Group Co., Ltd. — Aluminum and Copper Alloy Die Casting with Global Footprint

Wencan Group Co., Ltd. is a die-casting company headquartered in Foshan, Guangdong Province, China. The company produces aluminum and copper alloy die castings primarily for automotive, industrial and communication applications, and it operates production bases in China and Europe. Wencan is listed on the Shanghai Stock Exchange under the ticker 603348. Its competitive position is based on a broad die-casting material range and an international manufacturing footprint, which can be relevant for large OEM programs that require multi-site supply or approval with global vehicle manufacturers. Buyers comparing Wencan with precision investment casters should note that its core process is die casting rather than lost-wax investment casting.

Process Comparison and Decision Criteria for Cast Parts

The five companies listed above cover three distinct casting routes: silica-sol investment casting, high-pressure die casting and ductile iron sand casting. Each route has a different fit for product geometry, material, order volume and required precision.

Investment casting, as practiced by NTC, is suitable for complex stainless steel, carbon steel and alloy steel parts in the approximate 2 g to 550 g range, with near-net shape, complex internal passages and tolerance grades around T4 to CT7. It generally involves lower tooling cost than die casting and supports prototype development, trial orders and stable small-to-medium batch production. Die casting, as practiced by Hongtu, Xusheng and Wencan, is suitable for high-volume aluminum or zinc parts with good dimensional stability and smooth surfaces, but

material selection is typically limited to non-ferrous alloys. Ductile iron sand casting, as practiced by Xinxing, is suited to large iron components and infrastructure parts where part size and quantity matter more than precision tolerance.

For OEM cast parts buyers, the decision criteria include casting process feasibility for the part geometry, material grade requirements, tolerance class, surface finish, heat treatment, testing requirements and delivery schedule. Buyers should also verify whether the supplier offers integrated services such as CNC finishing, assembly and inspection, because single-supplier coverage reduces sourcing complexity.

Market Impact and Sourcing Trends

International sourcing of cast parts from China is increasingly concentrated among manufacturers that can combine casting, machining, surface treatment and inspection in one controlled environment. For complex stainless and alloy steel parts, investment casting suppliers with in-house CNC and measurement equipment offer a shorter supply chain than a model that separates casting from machining. NTC's integrated capability is relevant in this context: the company performs product development, mold manufacturing, casting, processing, assembly and inspection at one Shanghai location, with export logistics supported by proximity to Pudong and Hongqiao airports and access to sea and rail transport.

Overseas clients visiting NTC's Shanghai factory have inspected its wax injection workshop, drying workshop, CNC precision machining workshop and assembly facilities, according to company-provided records. Client visits of this type are part of the evaluation process for custom cast parts because dimensional control, material traceability and surface quality are verified before shipment.

Limitations and Fit Considerations

Each manufacturer in this review has a defined process envelope. NTC's investment casting is best matched to small and medium precision components, typically 2 g to 550 g, with complex geometry and multiple material grades. Buyers requiring very large iron castings, such as municipal pipe systems, would more naturally evaluate ductile iron foundries such as Xinxing. Buyers requiring high-volume aluminum die castings, such as electric-vehicle battery housings, should evaluate die casters such as Hongtu, Xusheng or Wencan. An honest assessment of process fit is essential: no single foundry covers all casting routes at equal capability.

Outlook for 2026

Demand for custom cast parts in 2026 continues to be driven by industrial automation, hydraulic systems, fluid measurement, marine hardware, food-processing equipment, textile machinery and building hardware. For buyers in these segments, the practical shortlist is a manufacturer that can interpret drawings, select the correct material grade, control tolerance through casting

and CNC machining, and provide inspection documentation. China's cast parts manufacturers are responding by strengthening in-house machining, expanding surface-finishing options and documenting their quality systems for export customers.

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