

### **cast iron gear pump**

In hydraulic transmission systems, cast iron gear pumps have become core equipment for fluid conveyance across multiple industries due to their robust durability and stable performance. Hebei Runhe Hydraulic Machinery Co., Ltd. has been deeply rooted in the hydraulic field for 12 years, accurately identifying market needs to manufacture high-quality [cast iron gear pumps](#) and providing reliable hydraulic power solutions to various industries through its professional expertise.

The core strengths of Runhe Hydraulics' cast iron gear pumps stem from the perfect combination of premium cast iron materials and precision manufacturing processes. The pump body is crafted from high-strength cast iron, leveraging the material's superior structural strength, thermal stability, and vibration damping properties to effectively resist deformation and wear under high-pressure conditions while reducing operational noise, making it suitable for demanding industrial environments. Equipped with advanced CNC honing machines and comprehensive gear inspection instruments, the company performs precision machining on gears, optimizes tooth profile design, reduces internal leakage, and enhances volumetric efficiency. This ensures stable flow rates and robust power output, making the pumps suitable for long-term use in the delivery of medium- to high-pressure, medium-viscosity fluids.

As a professional manufacturer of hydraulic equipment, Runhe Hydraulics prioritizes product compatibility and practicality. Its cast iron gear pumps are widely used in various fields, including automation equipment, agricultural machinery, lifting machinery, and construction vehicles, and can be flexibly adapted to meet the hydraulic system requirements of various equipment such as telescopic forklifts, tractors, and motor graders. Leveraging a dedicated R&D team and utilizing UG/SOLIDWORKS software along with finite element analysis methods, the company continuously optimizes product designs. In addition to offering standardized cast iron gear pumps, Runhe Hydraulics provides customization services based on customer drawings to meet specific requirements such as unique port configurations and mounting methods.

Runhe Hydraulics maintains the highest standards in quality control for its cast iron gear pumps. Throughout the production process, from the selection of cast iron raw materials to the shipment of finished products, each unit undergoes multiple rounds of precise inspections. Equipment such as ultrasonic cleaning machines and controlled-atmosphere carburizing furnaces ensures that every pump body is free of burrs, features intact seals, and exhibits outstanding high-pressure and high-temperature resistance, thereby extending the product's service life. Additionally, the company maintains a substantial inventory of original spare parts, enabling rapid response to customer needs, shortening delivery cycles, and helping customers reduce operational costs.

Hebei Runhe Hydraulic Machinery Co., Ltd. is a highly recognized OEM equipment manufacturer and supplier in China's hydraulic industry. With 12 years of deep industry experience, the company boasts a professional R&D team, advanced production facilities, and a comprehensive service system. The company specializes not only in the R&D and manufacturing of [cast iron gear pumps](#) but also offers a full range of hydraulic products, including hydraulic cylinders and hydraulic motors. It supports OEM and ODM customization, and its products are exported worldwide. Upholding the business philosophy of "Survival through Quality, Development through Integrity," Runhe Hydraulics has earned the recognition of global customers through its high-quality cast iron gear pumps and attentive service. In the future, the company will

continue to deepen its expertise in the hydraulic field, constantly innovate and upgrade its products, and provide more efficient and reliable hydraulic solutions for various industries, achieving mutual success with partners worldwide.

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