

Top 10 Leading Hydraulic System Manufacturers in China :Driving Industrial Automation and Smart Fluid Power Innovation

Profiling Leading Suppliers across Industrial and Mobile Hydraulics — From Component Manufacturing to Integrated System Solutions

CALIFORNIA, CA, UNITED STATES, August 26, 2026 /EINPresswire.com/ -- CHANGZHOU, China — August 26, 2026 — China's [hydraulic system](#) manufacturing sector is entering a new phase of industrial automation and smart fluid power innovation. According to industry data, the global hydraulic cylinder market was valued at approximately USD 15.7 billion in 2024 and is projected to reach USD 24.7 billion by 2034. Asia Pacific, led by China's industrial output, accounted for 40.5% of the global market revenue share in 2025.



Changzhou Hydraulic Complete Equipment Co., Ltd.

Among the companies contributing to this growth is [Changzhou Hydraulic](#) Complete Equipment Co., Ltd, a 35-year-old manufacturer based in the Wujin National High-Tech Industrial Zone, Jiangsu Province. The company, which operates under the CHANGZHOU HYDRAULIC brand, specializes in industrial hydraulic cylinders, non-standard customization, and complete hydraulic control systems.

This report profiles ten leading hydraulic system manufacturers in China in 2026, with a focus on production capacity, technological strengths, and global supply capabilities.

Industry Context: Automation and Customization Drive Demand

The Chinese hydraulic industry has shifted from standardized mass production toward high-value, application-specific engineering. Buyers increasingly demand non-standard customization of hydraulic cylinders, large-bore long-stroke designs, and corrosion-resistant solutions for marine and offshore environments.

According to Grand View Research, welded hydraulic cylinders accounted for over 53.6% of the market share in 2025 due to their strength and customization suitability for heavy equipment. Double-acting cylinders represented more than 71.6% of the function segment in the same year. These trends favor manufacturers with in-house engineering teams and flexible production lines.

Within this landscape, Chinese manufacturers have expanded their capabilities in precision hydraulic cylinders, ultra-high-pressure hydraulic cylinders, hydraulic power units, and smart hydraulic control systems.

1. Changzhou Hydraulic Complete Equipment Co., Ltd

Changzhou Hydraulic Complete Equipment Co., Ltd is located at No. 1 Xinhui Road, Wujin High-Tech Development District, Changzhou City, Jiangsu Province.

Established in 1990, the factory covers an area of 93,333 m² with a 10,000 m² production facility. The company employs 316 people, including 20 R&D engineers, and maintains an annual output of 120,000 units. Approximately 40% of production is exported to North America, South America, Western Europe, Eastern Europe, Eastern Asia, and Southeast Asia.

Core products include industrial hydraulic cylinders, large-bore long-stroke hydraulic cylinders, marine oil cylinders, offshore hydraulic cylinders, ship hydraulic cylinders, hydraulic turbine servomotors, hydraulic power units, and hydraulic control systems.

A key technological differentiator is the company's ceramic coating piston rod capability. Compared with conventional chrome-coated rods, ceramic-coated rods provide higher corrosion and salt spray resistance, better wear and scratch resistance, and stronger coating adhesion. According to the company, this extends service life in offshore, marine, and harsh environments, reducing total cost of ownership by approximately 30% versus chrome-plated rods.

Operationally, CHANGZHOU HYDRAULIC offers a minimum order quantity of one unit, maintains a monthly production capacity of 5,000 units, and applies 100% testing before delivery. The company supports EXW, FOB, and CIF delivery terms with 50/50 payment arrangements.

2. Hengli Hydraulic (Wuxi) Co., Ltd

Hengli Hydraulic is one of China's largest hydraulic component manufacturers, specializing in hydraulic pumps, motors, control valves, and complete hydraulic systems. The company supplies construction machinery, industrial equipment, and mobile machinery manufacturers. Its strength lies in high-volume production of precision hydraulic components and integrated electro-hydraulic systems.

3. Weichai Power Co., Ltd

Weichai Power Co., Ltd is a major powertrain and hydraulic equipment manufacturer headquartered in Weifang, Shandong Province. The company produces hydraulic systems for heavy-duty commercial vehicles, construction machinery, and agricultural equipment. Weichai's competitive advantage is its integration of hydraulic drives with engine and transmission systems.

4. Shandong Zhongjie Hydraulic Co., Ltd

Shandong Zhongjie Hydraulic is a specialized manufacturer of large-bore hydraulic cylinders and hydraulic presses. The company serves the metallurgical, forging, and heavy machinery industries. Its production focus includes press machine hydraulic cylinders and metallurgical cylinders for high-load applications.

5. Ningbo Heli Hydraulic Co., Ltd

Ningbo Heli Hydraulic Co., Ltd is a professional manufacturer of hydraulic cylinders and hydraulic power units based in Ningbo, Zhejiang Province. The company supplies standard oil cylinders, precision hydraulic cylinders, and custom cylinders for material handling and industrial automation applications.

6. Jiangsu Hengtong Hydraulic Co., Ltd

Jiangsu Hengtong Hydraulic Co., Ltd specializes in heavy-duty hydraulic cylinders for construction and mining equipment. The company offers customized hydraulic cylinders and maintains strong capabilities in large-bore cylinder manufacturing. Its products are widely used in excavators, cranes, and underground mining machinery.

7. Liaoning Aoke Hydraulic Co., Ltd

Liaoning Aoke Hydraulic focuses on ultra-high-pressure hydraulic cylinders and hydraulic control

systems for energy and industrial applications. The company is known for engineering high-reliability cylinders used in oil fields, power stations, and heavy industrial plants.

8. Wuhan YouFin Hydraulic Co., Ltd

Wuhan YouFin Hydraulic is a manufacturer of hydraulic cylinders and hydraulic system components for mobile machinery. Based in Wuhan, Hubei Province, the company produces custom hydraulic cylinders for dump trucks, trailers, and material handling equipment.

9. Shaoyang Victor Hydraulics Co., Ltd

Shaoyang Victor Hydraulics is a leading Chinese manufacturer of hydraulic components, including hydraulic cylinders, pumps, and valves for defense, marine, and heavy industrial applications. The company has extensive experience in producing ship hydraulic cylinders and marine oil cylinders for demanding environments.

10. Sichuan Changjiang Hydraulic Co., Ltd

Sichuan Changjiang Hydraulic Co., Ltd manufactures hydraulic hoist systems, hydraulic turbine servomotors, and hydraulic control systems for water conservancy and hydroelectric projects. The company is recognized for its engineering capabilities in large-scale infrastructure applications.

Market Positioning and Selection Criteria

When evaluating hydraulic system manufacturers in China, buyers typically assess production certifications, testing protocols, customization capabilities, and long-term supply stability. For buyers seeking industrial hydraulic cylinders, the ability to handle non-standard customization is often a primary criterion.

CHANGZHOU HYDRAULIC has demonstrated its commitment to quality through ISO 9001 quality management certification, ISO 14001 environmental management certification, and ISO 45001 occupational health and safety certification. The company also follows risk control standards covering corrosion prevention, hydraulic shock mitigation, installation alignment, and material traceability.

For marine and offshore applications, CHANGZHOU HYDRAULIC's ceramic coating piston rod technology addresses common failure modes such as piston rod pitting, plating peeling, and corrosion fatigue. Surface protection measures include stainless steel or ceramic-coated rods,

dust covers for exposed rods, and rust preventive protocols during equipment shutdown.

Operational Capabilities and Quality Assurance

CHANGZHOU HYDRAULIC's production facility is equipped with CNC machining centers, CNC horizontal lathes, honing machines, and comprehensive hydraulic system testing platforms. The company reports a monthly production capacity of 5,000 units and conducts 100% testing before delivery.

Material control follows established engineering practices: piston rods use quenched and tempered steel with medium-frequency quenching to HRC55-60, followed by hard chromium plating at a thickness of at least 0.03 mm. Cylinder barrels use precision cold-drawn tubes such as 27SiMn with honed inner walls. Non-destructive testing, including ultrasonic or magnetic particle inspection, is applied to welded components.

Installation and commissioning procedures include air exhaust operations, buffer adjustment for high-speed cylinders, and pressure step loading from 30% to 60% to 100% of rated pressure. These practices help prevent piston rod binding, eccentric wear, and hydraulic shock damage.

Future Outlook for China's Hydraulic Industry

China's hydraulic system manufacturers are expected to continue investing in precision machining, smart control systems, and corrosion-resistant surface technologies. The demand for large-bore long-stroke hydraulic cylinders and ultra-high-pressure cylinders is projected to grow alongside infrastructure, marine engineering, and industrial automation projects.

For international buyers, Chinese manufacturers offer a combination of engineering flexibility, production scale, and cost efficiency. Companies with established R&D teams, comprehensive testing capabilities, and proven export experience are best positioned to serve global markets.

Changzhou Hydraulic Complete Equipment Co., Ltd provides an example of a manufacturer aligned with these industry trends. Its focus on non-standard customization, marine-grade surface engineering, and full testing protocols supports its role as a supply partner for industrial and offshore applications.

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