Group Profile

Nearly 30 years of innovation, Hengli has expanded its products from hydraulic cylinders to hydraulic components, precision castings, pneumatic components and hydraulic systems. As the service of multiple Fortune 500 corporations, Hengli has made its way into world’s leading hydraulic manufacturer in terms of manufacturing scale and technical level. Well sold in over 20 countries and regions, the products are widely applied in engineering vehicles, port vessels, mining machinery, tunnel machinery, precision machine tool and industrial manufacturing industries.

By far, Hengli has established three internationally leading manufacturing bases of hydraulic components—Hengli Cylinder (Stock Code: 601100), Hengli Foundry and Hengli Hydraulic. Hengli has further acquired two noted brands in the hydraulic industry SHLIXIN and InLine. To build a global presence, Hengli has founded sales service branches in Europe, North America and Japan for overseas market expansion.

Winning customer trust through continuous innovation, Hengli has been meeting diversified products design demands and providing highest quality service. By far, Hengli has developed as a global leading manufacturer of high-end hydraulic components and systems.

We are always committed to servicing global customers and building a better future.

4 R&D Centers: Changzhou, Shanghai, Stuttgart, Berlin

Business Presence: In more than 20 countries and regions all over the world

Now Servicing: More than 1,500 noted companies in the world

7 Manufacturing bases
Wuxi Hengli Hydropneumatic Co., Ltd. was founded and produced cylinders and pneumatic valves in October 1990.

October 2010
Became the approved supplier of Caterpillar, marking us entering the supply system of high-end excavators.

August 2011
Hengli cylinders production base in Wujin industrial zone established.

October 2014
New factory of Hengli Hydraulic Co., Ltd. was built and put into production.

March 1997
Started developing and manufacturing large cylinders for ports and metallurgical equipment.

October 2011
Hengli was successfully listed on Shanghai Stock Exchange. The stock code is 601100.

August 2012
Subsidiaries in America and Japan were founded. Hengli successfully acquired Shanghai Lixin Hydraulic Co., Ltd.

June 2005
Hengli High Pressure Oil Cylinder Co., Ltd. was founded and started the mass production of excavator cylinders and customized cylinders.

August 2012
Hengli Hydraulic Department was established, developing piston pumps and multi-way valves.

October 2010
Became the approved supplier of Caterpillar, marking us entering the supply system of high-end excavators.

October 2011
Hengli was successfully listed on Shanghai Stock Exchange. The stock code is 601100.

February 2017
Established HQ in Chicago, to speed up the development of the North America Market.

November 2015
Started the strategic cooperation with HAWE, and financed HAWE InLine Hydraulik GmbH.

December 2012
Hengli Foundry was established and started the production of precise hydraulic castings.

2016
Successfully developed a series of high-performance hydraulic pumps and valves, which are supplied to major domestic construction machinery manufacturers and win recognition from customers.

Focus on hydraulic technology innovation to achieve a sustainable development.

May 1999
Developing high-pressure cylinders for excavators started.

November 2015
Started the strategic cooperation with HAWE, and financed HAWE InLine Hydraulik GmbH.

History

March 1997
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Hengli Hydraulic Co., Ltd.

Hengli hydraulic cylinder production base is capable of producing 450,000 excavator cylinders and 150,000 customized hydraulic cylinders.

For 25 years Hengli has engaged in the research and development of designs, and manufacture of hydraulic cylinders. Hengli utilizes world class equipment in the manufacturing of hydraulic cylinders and has the biggest research and development center of hydraulic cylinders in Asia. The product design and process technology meet the tests of time for our customers.

At the same time, Hengli focuses on the details of customers’ requirements and adheres to many international standards (such as standard of class societies like DNV, ABS, GL and so on), as well as Hengli’s own standards to deliver qualified cylinders.

Hengli is focusing on the construction equipment, marine & offshore, mining and metallurgical forging markets among any others. Hengli provides design schemes for many sizes of hydraulic cylinders and adopts advanced processes such as surface treatment technology, control system and sealing. When we design optimization schemes for partners, we offer superior integrated services.
Only systematic product design and production processes can guarantee a hydraulic cylinder thrives in such extreme conditions. Our research and development center solves complex and diverse development challenges and leads our innovations in hydraulic cylinders. Hengli meets these needs using our research and development equipment, and Hengli’s product design process to guarantee the reliability of our products.

We use calculations to study the forces on a hydraulic cylinder; at the same time, we can investigate further using finite element analysis software to do detailed analysis to effectively ensure the design meets the demands.

For verification of the seals and cylinder design, we conduct a series of tests, which include stress testing, pulse pressure testing, and stroke endurance testing.

The standard Cylinder workshop is 47000 m² (505,000 ft²), with 9 production lines and annual capacity around 450,000 pieces.

The customized cylinder workshop is 45000 m² (480,000 ft²). There are 5 production lines with annual capacity of 150,000 pieces.

We can process cylinders from 40mm (1.6 in.) to 1,500mm (60 in.) bore diameters with stroke capability up to 18,000mm (590 in.).

All CNC machining equipment is imported, which can assure the machining precision of hydraulic cylinder’s inner wall.

Five-axis Machining Center from Japan and American MAG large-scale machining center.

Leading thermal spraying surface treatment processing.
Product Application

- Construction Machinery
- Metallurgical Industry
- Marine & Offshore Industry
- New Energy
- Port Machinery
- Water Conservancy Project
- Cement Industry
- Large Special Equipment

Product

Application

Excavator Cylinder

Mobile Crane Cylinder

Cylinder for Large Forging Press

Forging Press Triple Cylinder

Wind Power Installation Boat Lifting Cylinder

(Ceramic Coating Piston Rod)

Inline Passive Heave Compensator

TBM Supporting Cylinder
Hengli Hydraulic Technology Co., Ltd.

The hydraulic product manufacture base is able to manufacture over **2 million** industrial valves, more than **50,000** sets of multiway valves and high pressure piston pumps, and other hydraulic power packs and systems for other applications.

With total investment of USD 350 million, Hengli Hydraulics Technology Co., Ltd. covers an area of 400,000 sq. m, and is committed to the R&D of hydraulic control components and systems for large equipment manufacturing, including high pressure pumps and valves.

Staffed with experts in hydraulic product R&D from Germany, Japan and other countries and equipped with industry-leading equipment, the Company is an industrial leader in scale, and adopts logical and strict manufacture management system. The Company is now offering HP series high pressure piston pumps and HV series hydraulic multiway valves for excavator, aerial Work Platform, lorry-mounted crane, forklift and other types of mobile equipment. Precise control, high efficiency and high performance make our products the preferred options for many well-known engineering machinery businesses at home and abroad.

Hengli will make greater commitment to offer better designs and diverse and integrated service to customers in engineering machinery, ship building, port machinery, metallurgy, water conservancy and energy technology sectors.
Manufacturing Capabilities

Equipped with the most comprehensive inspection lab, we can conduct raw materials test, chemical test, mechanics performance test, nondestructive test, fatigue test and other special tests required by customers. Advanced inspection equipment allows us to optimize, design, manufacture, develop and test the products; customer feedback has driven us to continuously improve product design.

The advanced machining centers, handling robots, automatic assembly lines, spraying equipment and high performance hydraulic components are the strong hardware base for product accuracy, quality and production efficiency.

Hydraulic System Solution

Production capacity of the hydraulic system department is 1500 units/year of customized hydraulic systems with a highest pressure of 70MPa and a power of 800KW. Function areas such as office, welding area, cleaning area, pipe bending area, test area, painting area, raw material warehouse, semi-product warehouse, purchasing parts warehouse and finished parts warehouse are well organized. Under constant temperature and humidity environment, the produced hydraulic components can meet the highest cleanliness and precision requirements.

DMG Five-axis Machining Center

IVA Vacuum Nitriding Furnace

DMG Five-axis Machining Center
Product Application

Mobile Hydraulic Valves
Industrial Hydraulic Valves
Piston Pumps
Hydraulic Motors
Hydraulic Systems
Test Benches
Founded in 1967

Lixin Hydraulics is one of the first companies in China to produce hydraulic components and hydraulic systems

Founded in 1967, Lixin Hydraulic Co., Ltd. is one of China’s oldest hydraulic component and system manufacturers, boasting 50 years of experience in the research and development of hydraulic components and systems. In October 2012, Hengli Highpressure Oil Cylinder Co., Ltd. took 82.86% share of LIXIN Hydraulic. Through re-organization, Lixin Hydraulic and Hengli Cylinder has become a strong partnership complementing each other’s strengths and sharing resources.

In the 1980s, advanced hydraulic technology from Germany was introduced to SHLIXIN. Through independent innovation and research, Lixin has been developing and manufacturing standard industrial hydraulic valves and customized integrated hydraulic systems in the three main categories of pressure, flow and direction. Backed by 50 years of experience in research and development and manufacturing, our product quality and service have won the recognition of numerous customers. Designed for high pressure machinery equipment, our products have been widely used in machine tool, metallurgical, ship, plastics, wind power and cement equipment.

Company Introduction

[Images of hydraulic components and systems]
Established in 1990, Hengli Pneumatic Technology Co., Ltd., formerly known as Hengli Weishi Pneumatics Co., Ltd., is specialized in manufacture of pneumatic actuators, control and handling components and other accessories. We offer a wide range of reliable and durable products at competitive price, and our products can meet requirements of customers in various sectors, such as vehicle, high-speed rail, metallurgy, textile, ceramics, medical equipment, packaging and other automation industries. The Company is a professional pneumatic component manufacturer adopting state-of-the-art technologies in China.

A robust marketing network has been founded by the Company after 28 years of efforts, and several subsidiaries and agents have been established in different area in China to ensure sufficient supply and timely delivery of products. Consistently driven by the operation philosophy of “serve clients”, the Company offers customers individualized service and solutions and pursues every opportunity for service capacity and quality improvement.
Focused on Pneumatic Technical Solutions
Pneumatic Actuators
Pneumatic Control Components
Pneumatic Accessories

Product Application

Industrial Automation Industry
Pneumatic Solutions

We start to produce large-sized single acting cylinder with bore diameter 1600mm and stroke 490mm from 2013. This kind of cylinder mainly service to natural gas pipeline in Middle East area.
In the 1950s - Kaemper & Demag
Kämper began working with the German company DEMAG to manufacture hydraulic products, pumps and valves.

In the 1960s - Bellows Valvair
The American company Bellows Valvair extended its production to focus on successful and innovative axial piston pumps.

1973 - VOLVO
VOLVO took over the company and immediately began to expand the product range, including the typical V60N and V30E pumps for mobile applications.

1999 - HAWE
HAWE Hydraulik from Munich takes over the company and immediately begins to expand the product range, including the typical V60N and V30E pumps for mobile applications.

2015 - HAWE InLine & Hengli
HAWE and Hengli establish worldwide cooperation, with Hengli assuming management of production in Berlin.

2016 - InLine Changzhou
InLine established a subsidiary in Changzhou, China, focusing on after-sales and application consultant service for customers from the Chinese market.

2016 - InLine InLine
Christian Lindell founded the InLine brand and separated InLine from Volvo Hydraulics while improving their marketing network.

In the 1960s - Bellows Valvair
The American company Bellows Valvair extended its production to focus on successful and innovative axial piston pumps.

In the 1950s - Kaemper & Demag
Kämper began working with the German company DEMAG to manufacture hydraulic products, pumps and valves.

1901
Founder of Kämper Motoren, Mr. Kämper, established the company in Marinfeld, Berlin focusing on the honing business of automotive engine block. Later, Mr. Kämper invented the world’s first torque controller for piston pumps, which made the piston pumps to be applied in various industries.

In the 1950s - Kaemper & Demag
Kämper began working with the German company DEMAG to manufacture hydraulic products, pumps and valves.

HAWE InLine Hydraulik GmbH, a wholly-owned subsidiary of Hengli Hydraulic, is the inventor of the torque controller for piston pumps.

The company is located in Berlin, Germany with a building area of 8,500m². The HAWE InLine products are known for sturdy construction, heavy load capability and high reliability. With a wide range of controllers, the HAWE InLine products can meet the needs of various applications and are now widely used in industrial, marine engineering equipment, construction machinery, municipal vehicles and agricultural machinery and other fields.

HAWE InLine Hydraulik GmbH

Company Introduction
Nearly 70 years experience in design and manufacture of high-pressure heavy-duty piston pumps.
The axial piston pumps manufactured by HAWE InLine are known for its high performance.

Since the world’s first torque controller was invented, we have taken innovation-driven development and fueling innovative development of axial piston pump as the mission of the Company.

In addition to series products for specific industries, we offer more options and extensive series to meet different application requirements. The material features, high efficiency, steady and reliable design of HAWE InLine products, together with various functional control units, allow the our products to function smoothly even when high pressure, high power and high speed are required. A 5% increase in efficiency will be achieved, in other words, a 5% reduction will be achieved in both diesel consumption and cooling efficiency loss.
The long history and variety in functions of InLine piston pump ensure the reliable quality of products and their good adaptability to different types of equipment.

From Berlin to the rest of the world! Or to put it another way, most of our pumps are used outside Germany. Their types of use could not be more varied: in large series on ships and in goods vehicles or as individual pumps in special machines and assemblies.

And each of our customers has its own requirements. The motivation for our work is to support you as effectively as possible with our expertise and experience, and thus to contribute to the success of our customers. So set us a challenge! We will be happy to show you what our pumps can do for your system.
Established in 2012, Hengli Foundry covers an area of 120,000 sq. m with floor area exceeding 80,000 sq. m. German casting techniques and automatic production line have been introduced to the Foundry. The foundry plant mainly offers castings for the hydraulic pumps and valves, motors. As one of the formulator of national (industrial) standards, the Foundry is the first company able to put highly-precise hydraulic castings into mass production in China.

Backed by an international R&D team, we analyze the process of casting mold filling and solidification through MAGMA, a simulation software, so as to optimize the process design, predict and improve casting quality. The Foundry is equipped with molding sand lab, imported SPECTRO spectrograph, metallographic microscope, carbon and sulfur analyzer and mechanical performance testers. Globally leading product experiment and test procedure systems have been established by Hengli Foundry, so as to ensure the effective quality management and process test under strict quality management systems and quality assurance systems. High quality products allow the Foundry to be recognized and to maintain long-term cooperation with several well-known companies at home and abroad.
We have introduced smelting, casting, core making, on-line inspection, robot burring and other types of advanced equipment from Germany, and we now are capable of manufacturing 25,000 tons of various highly precise castings a year. Dustless management is practiced in workshops, and globally leading product experiment and test procedure systems have been established to ensure high qualification rate and quality of products.

Staffed with R&D experts from Germany, Japan and other countries, we have made breakthroughs in research of highly precise casting technologies, mastering internationally leading core casting technologies like molten iron refining, sand core refining, digital casting process analysis and environmental friendly sand molding.
Hengli Cold Drawn Tube Factory

Subordinated to Hengli Hydraulic Co., Ltd., Hengli Cold Drawn Tube Plant is a high-tech enterprise specialized in the research, development and manufacturing of precision seamless steel tubes. With 20,000 m² of standard workshops, the plant has an annual capacity of 59,900 tons.

Advanced production and inspection equipment is the essential assurance for manufacturing quality of precision seamless steel tubes. Therefore, the plant has adopted domestically and internationally advanced seamless cold drawing production equipment and furnished advanced automatic control system and online quality inspection system to ensure stable and reliable product quality. This is how Hengli provides customers with high-performance products and win customer trust with quality services.
Hengli America
Hengli Japan

First overseas sales subsidiaries were established in America and Japan, which have been viewed a critical step to take on American and Japanese markets. Founded in 2012, Hengli America and Hengli Japan are engaged in sales, after-sales service and technical support provision of hydraulic cylinders, pumps and valves, other hydraulic components and systems and precise casting. Great efforts will be made to establish robust sales service network in America and Southeast Asia and improve Hengli’s global marketing system.

Cooperation has been established by Hengli America with American well-known fluid and control products supplier TECO, which has been authorized to be the sales and service agent of Hengli hydraulic components. In addition, Hengli America is now member of AEM, API, NFPA and related industrial associations.

As more hydraulic products are offered and localized service and marketing network are improved, Hengli has gained trust and support from more and more customers in North America and Southeast Asia.
Skilled Technicians

We are backed up by many veteran technicians that are adept in manufacture and skills. The ongoing simulated computation and experimental verification ensure the preciseness of our products, turning our designs into products.

Quality Assurance

Always taking quality as the foundation for corporate, Hengli has been building quality in every detail. From design, process, management, production and testing to after-sale service, Hengli not only provides customers with products and services, but also resolve hydraulic transmission problems for customers.

Scientific Management System

In product research and development, production and inspection, Hengli has set high quality, safety and value standards. In compliance with the quality accreditation requirements of ISO9001 Quality Management System and classification societies like DNV, ABS, BV and LR, Hengli has adopted scientific production management process for rigorous quality control, and developed a complete quality assurance system to ensure product quality and reliability.
Our products are widely used in the fields of offshore, mobile machinery, industrial equipments and reproducible energy. We have facilities in China, Germany and America, providing top-notched design and service. Service centers established in Berlin, Chicago and Japan as well as the cooperated partners across the world are always ready for offering professional service for you.

Our service technicians are trained and assessed, capable of offering technical support, commissioning and maintenance. Long term maintenance contract to reduce the cost of repair and down time. Our solution will be available to increase the efficiency of equipments and customer confidence.

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We are looking forward to working with you!

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