

YouWeiLi Hydraulic Technology Co.,Ltd..

Master Core Technologies to Empower China's Intelligent Manufacturing

National-level specialized, refined, unique and innovative "Little Giant" | China's largest manufacturer of complete hydraulic systems | Stock Code: 873746

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01

Company Overview and Industry Position

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Industry Leader · Specialized, Precise, Unique, and Innovative

One of China's largest manufacturers of integrated hydraulic systems, it is recognized as a national-level "Little Giant" enterprise specializing in refined and innovative technologies and a National High-Tech Enterprise (Stock Code: 873746), consistently leading technological advancements in the industry.

initiation in 1996 · The accumulation of craftsmanship

For over three decades, the company has been dedicated to research, development, and manufacturing in the hydraulic field, serving as a key participant and witness to the thriving growth of China's hydraulic industry. It has consistently prioritized technology as the core driver of its development.

ng capabilities

Nantong Haimen National Economic Development Zone Occupying an area of over 80,000㎡ | Assets: RMB 600 million | Over 330 employees (with more than 60 holding mid-to-senior professional titles)

Global Layout

Our products are available in over 30 countries and regions worldwide. A total of over 300,000 hydraulic systems have been delivered. A stable supplier for **world-renowned enterprises**/central enterprises

Seize the momentum and capitalize on the opportunities of our time

The $100-billion industry track: Now is the time for domestic substitution

Market Boom: By 2025, the market size of China's hydraulic machinery industry has exceeded RMB 100 billion. It is projected to reach RMB 120-140 billion in 2026, maintaining a medium-to-high growth rate of 7%–12%, with the core driving force coming from policy support for "large-scale equipment renewal."

Reconfiguring the Landscape: The industry now features "foreign capital dominating the high-end segment while domestic players are breaking through in the mid-range," with leading local enterprises accelerating their efforts to replace imports in core areas such as high-pressure piston pumps and servo proportional valves.

Technical Core · Intelligence and Integration

The industry is undergoing profound technological transformation, with the competitive focus shifting from selling individual devices to providing integrated solutions that encompass "hardware, software, and full lifecycle services. "

Technological innovations centered on intelligent manufacturing, smart sensing, and energy-efficient solutions are becoming pivotal for hydraulic enterprises to build differentiated competitiveness. The company possesses expertise in digital proportional valves and servo proportional valve technologies, positioning it as a core manufacturer capitalizing on this trend.



A New Growth Pole: The Explosive Growth of New Energy Applications

Beyond traditional application sectors such as construction machinery, the demand for high-precision, high-reliability servo-hydraulic systems in new energy equipment—including wind power, photovoltaics, and hydrogen-powered heavy-duty trucks—is experiencing explosive growth.

This emerging field has become one of the fastest-growing segments in the hydraulic industry. With its technological advantages, the company is rapidly achieving its "second growth curve."

02

A Comprehensive Product System and Solutions Covering the Entire Value Chain

One-stop service ranging from core components to complete systems

A Comprehensive, End-to-End Solution With One-Stop Service



Core Mission · CORE MISSION

We deliver end-to-end hydraulic solutions spanning from core components to complete systems, breaking down barriers between upstream and downstream partners, and providing customers with a one-stop integrated service encompassing design, manufacturing, and integration.

Hydraulic Integrated Control System

We provide customized hydraulic control systems for various main machines, including construction machinery, metallurgical equipment, and large-scale forging and pressing equipment.

Hydraulic valve components

include the full range of conventional hydraulic valves, proportional valves, digital proportional valves, and servo proportional valves, offering the most comprehensive product portfolio in China.

Hydraulic actuators

offer a variety of standard and custom hydraulic cylinders in different specifications to meet various operational requirements.

Hydraulic valve assembly/valve block

Provide standardized and highly customized hydraulic integrated valve assemblies and oil circuit blocks to optimize system space utilization and efficiency.

Precision Manufacturing Services

We provide high-precision hydraulic components, OEM services for critical parts, and CNC precision machining services, all renowned for their reliable quality.

Core Product: Complete Hydraulic Control Systems and High-End Hydraulic Valves

Our core business is providing customized hydraulic control systems and high-end hydraulic valves for various hosts, dedicated to providing customers with efficient and stable power solutions.

Highly Customized

We provide customized solutions tailored to the operational conditions and requirements of various host devices, meeting diverse needs.

High performance and reliability

By integrating high-quality core components from internationally renowned brands, the system ensures long-term stable operation even in harsh industrial environments.

Intelligent Integration

It can flexibly integrate advanced intelligent components such as digital proportional valves and servo proportional valves, enabling high-precision closed-loop control.

Widespread Application Fields

The products are widely used in pillar industries of the national economy, including metallurgy, mining, rubber and plastics, and engineering machinery.



Large-Scale Hydraulic System Assembly Workshop



High-end hydraulic valves: Inheriting European technology to create core components

Background Inheritance

Its Vitos Hydraulic Components Manufacturing Division, formerly the domestic production base of Italian company ATOS, is one of China's earliest factories to manufacture for leading European hydraulic brands.

Technical Capability

The company has fully mastered Europe's advanced R&D and manufacturing technologies. Its high-pressure hydraulic components meet internationally leading technical standards and performance requirements, boasting a robust technological competitive advantage.

Production Capacity Scale

Focusing on integrated solutions of hydraulic control unit (valve + valve block), with an annual output of 500,000 pieces of precision hydraulic control components and 5,000 tons of hydraulic valve blocks.

03

Core customers and market recognition

In collaboration with industry giants,

Co-create Value

Strategic Partner: Collaborating with industry giants to create value together

A leading domestic enterprise

With exceptional product quality and reliable delivery capabilities, we have established long-term, stable strategic partnerships with numerous leading domestic industry players, jointly driving high-quality industry development.

An Internationally Renowned Brand

Our products and services have gained widespread recognition in the global market, successfully becoming strategic partners of numerous Fortune 500 companies, demonstrating the strength of China's manufacturing capabilities on the international stage.

Global market coverage

The company's business operations cover over 30 provinces, municipalities, and autonomous regions across China, with its products successfully exported to more than 20 countries and regions worldwide, including Italy, Russia, the UAE, and Brazil.

Some partners

ZOOMLION 中联重科

中国一重 CFHI

MCC 中国中冶

HUAQIA 华强集

04

Core technologies and manufacturing capabilities

Establishing technical barriers to lead industry development

Core Manufacturing Technology: Building Technological Barriers

Hydraulic Valve Block Zero Preparation Machining Technology

Innovative domestically · Industry-leading

Developed in collaboration with Japan's Mazak, this solution enables efficient, highly intelligent, and automated production for non-standard valve blocks with ultra-small batches and an exceptionally wide variety of models, overcoming traditional production bottlenecks.

- Maximum Efficiency: The program writing time is ≤10 minutes, and the overall preparation time is reduced from several hours to 0.
- Highly Intelligent: A 3D automatic matching program library that enables a "zero preparation" timeline for the entire process.
- Widespread compatibility: Even for extremely small batches or single non-standard orders, efficient and low-cost production can be achieved.

Technical Information on Digital Proportional Valves and Servo Proportional Valves

Overcoming "Bottleneck" Challenges · Achieving Import Substitution

The entire series of digital proportional valves delivers performance at internationally advanced levels, breaking foreign technological monopolies and successfully replacing high-end imported products entirely, thereby ensuring supply chain security.

- Major Investment: A top-tier hydraulic technology R&D team comprising over 40 members has been established, with cumulative investment of hundreds of millions of yuan in dedicated R&D funds.
- New industry record: The DN80 and DN100 through-type insertable servo proportional valves have been successfully developed, with a maximum flow rate exceeding 6000 liters/min.

Intelligent Manufacturing Capability: World-Class Equipment Ensures Outstanding Quality



Smart Manufacturing Across the Entire Chain

Equipped with cutting-edge equipment from international top-tier brands, the facility establishes a highly automated and digitalized production system, achieving a closed-loop intelligent manufacturing process that covers the entire workflow—from raw material processing and precision manufacturing to heat treatment, finished product assembly, and quality inspection.

The **flexible production line (FMS)** consists of five Japanese Mazak 卧加 units, enabling efficient and flexible production with an annual output of 300,000 valve bodies and 5,000 tons of valve blocks.

Processing Center Cluster

The facility boasts over 70 machining centers from internationally renowned brands such as Mazak and Doosan, forming a high-capacity, high-quality manufacturing cluster.

Ultra-precision machining equipment

The system incorporates a Mazak seven-axis five-link lathe-milling hybrid center and a Swiss Toranas turning machine, achieving a roundness accuracy of within 0.001 mm.

Intelligent Storage and Inspection

The German KARDEX intelligent three-dimensional warehouse is integrated with the ERP system and equipped with Swedish three-coordinate systems and German automatic scanning detectors.

世界级智能制造体系

We are equipped with cutting-edge, high-precision equipment from leading international brands, establishing a robust foundation for intelligent manufacturing.

Flexible Manufacturing Line (FMS)

The system consists of five Japanese Mazak horizontal machining centers, enabling automated production with an annual output of 300,000 valve bodies and 5,000 tons of valve blocks.

The facility is equipped with over 60 machining centers from brands such as Japan's Mazak and South Korea's Doosan, enabling large-scale precision manufacturing capabilities.

Equipped with China's first Japanese Mazak seven-axis five-axis 联动 turning-milling hybrid center and Swiss Тонос lathe, it ensures micron-level machining accuracy.

By introducing top-tier equipment such as Switzerland's TORNOS and implementing rigorous quality inspection processes, we ensure product stability and reliability from the source, meeting the demands ofthe high-end market.

Equipped with the German KARDEX smart warehouse, it enables automated material storage/access and precise traceability. The system is deeply integrated with ERP to create a fully digital closed-loop system.


















Total Production Capacity: Large-Scale Manufacturing to Meet Diversified Demands



8,000 units

kit system

Customized hydraulic integrated system

Annual production capacity



50 Ten thousand items

Precision component

Standardization and Flexible Production of Various Precision Hydraulic Control Components



6 Ten thousand units

Valve group valve block

Standardized and customized valve assemblies

Efficient processing and delivery capabilities



0.001 mm

ultraprecision machining

Micrometer-level precision machining technology

Ensure stable product performance

The service area covers a wide range of sectors.

Metallurgical machinery · Mining machinery · Rubber and plastic machinery · Environmental protection machinery · Engineering machinery · Energy machinery · Ship and Marine engineering · CNC machine tools Specializing in key areas of the national economy, providing high-performance hydraulic core components and system solutions for various industries.

05

Summary of Core Competitive Advantages

Seven Key Advantages That造就 Excellence

Summary of Core Competitive Advantages

01 Leading in industry experience and scale

With over three decades of manufacturing expertise, it is the largest domestic manufacturer of integrated hydraulic systems and a global leader in shipment volume.

02 European Technological Heritage

Originating from the original ATOS domestic production base, it employs Europe's most advanced manufacturing processes and delivers domestically top-tier performance in high-voltage components.

03 Unique Technological Barriers

The "Zero Preparation Processing Technology" delivers significant advantages in efficiency, precision, and cost, establishing a robust competitive edge.

04 Full-Chain Manufacturing Capability

From core components to complete systems, all are produced entirely in-house, offering outstanding advantages in cost control and delivery responsiveness.

05 Breakthrough in High-End Products

With an annual production capacity of 50,000 digital proportional valves and servo proportional valves, the company has broken the foreign technological monopoly and successfully achieved import substitution for key hydraulic components.

06 Talent and Service System

The implementation of the "Chief Sales Representative" system provides customers with comprehensive technical support services spanning customized design, rapid technical response, and full lifecycle assistance.

07 Industry Standard Setter

The organization has accumulated a total of 51 patents, led or participated in the formulation of 6 national standards and 15 industry standards, and has been at the forefront of guiding the industry's technological development direction.


专精特新
"小巨人"企业
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工业和信息化部
证书
江苏省民营科技企业
高新技术企业证书
质量管理体系认证证书

Thank You for Listening.

We look forward to working together with you.

Co-creating the Future

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