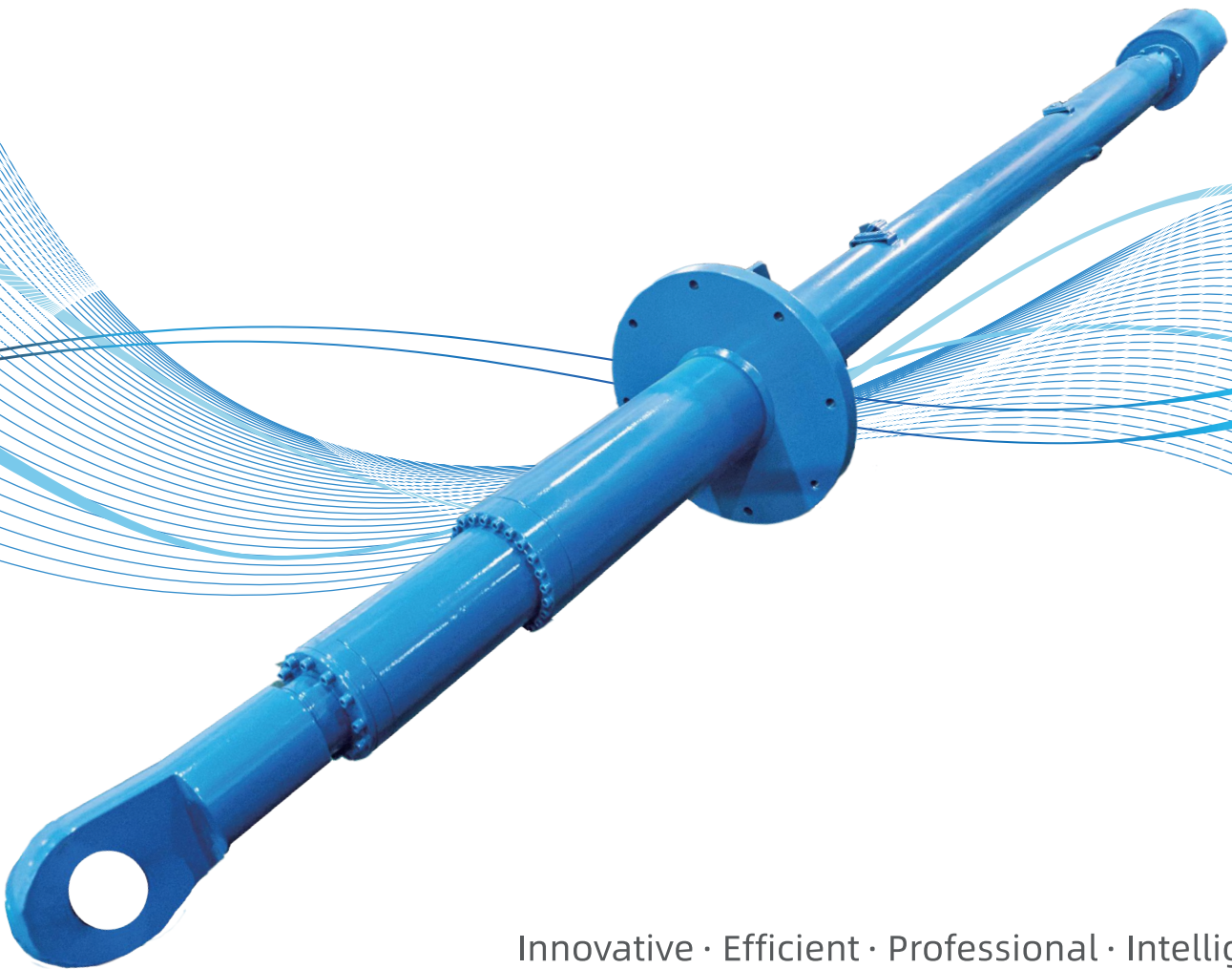




武进液压
WUJIN HYDRAULIC

Specialist in Complete Hydraulic Solutions



Innovative · Efficient · Professional · Intelligent

COMPANY PROFILE

Founded in 1970, Jiangsu Wujin Hydraulic Hoist Co., Ltd. (Wujin Hydraulic) is a national-level "Little Giant" enterprise and a Jiangsu High-Tech Enterprise with over half a century of experience in hydraulic technology.

For more than 50 years, we have focused on hydraulics, becoming a comprehensive solution provider integrating R&D, manufacturing and sales of hydraulic hoists, cylinders, surface modification treatment and system integration. Driven by technological innovation, we have built a core technical system and high-quality standards covering the whole product lifecycle, providing tailored, efficient and reliable hydraulic solutions to meet diverse customer needs.

With reliable products and complete solutions, our business covers over 30 countries and regions, serving more than 5,000 customers. Our products are widely used in water conservancy, marine engineering, metallurgy, construction machinery, mining, automotive manufacturing and other industries, supporting global infrastructure and industrial development.

Looking ahead, Wujin Hydraulic will uphold our core values of "Professionalism, Innovation and Excellence", strengthen R&D and system integration capabilities, provide smarter and more reliable hydraulic equipment and turnkey solutions for global customers, promote industry progress and build a trusted national industrial brand.



50 + Years
Deep industry expertise



5 Continents
Global business coverage



5,000 +
Cooperating clients



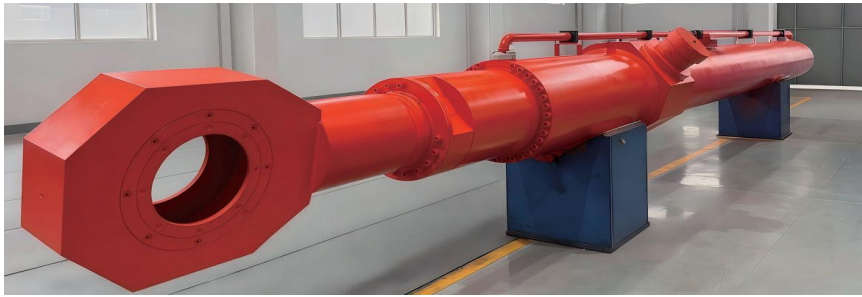
50,000 + Sets
Equipment delivered



HYDRAULIC CYLINDERS

As one of China's first manufacturers for large & extra-large hydraulic cylinders, we offer customized high-performance solutions based on our provincial R&D center, meeting strict demands for key hydraulic actuation components in large-scale equipment.

Through integrated innovation in materials, processes and structures, we deliver industry-leading, reliable hydraulic cylinders and full technical support for various industries.



Custom non-standard

Successfully developed:
Max. bore diameter: 1500 mm
Max. rod diameter: 600 mm
Max. stroke: 20 m

Proven surface treatment

Advanced surface treatment technologies including supersonic spraying, plasma spraying and laser cladding. Wear, corrosion and high temperature resistant products for harsh conditions, greatly extending service life.

Intelligent control solutions

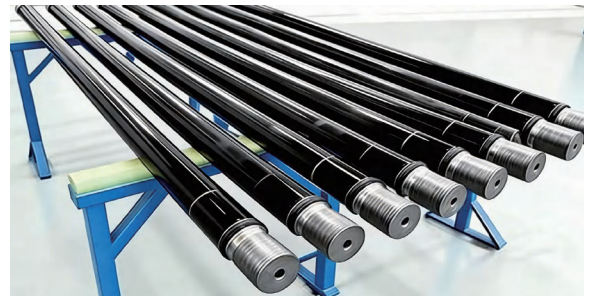
Optional integrated stroke sensor enables precise stroke detection and remote control. Stable solutions for position feedback, synchronization and automation, boosting intelligent upgrading of main equipment.

METAL SURFACE MODIFICATION TREATMENT



We integrate advanced coating preparation processes, leverage a professional R&D team, and focus on delivering high-performance surface engineering solutions for extreme working conditions, helping customers improve equipment reliability and service life. We provide end-to-end surface engineering solutions from process matching, coating design to performance verification.

As China's first enterprise to achieve mass production of ceramic-coated piston rods, Wujin Hydraulic built the country's first long-stroke ceramic piston rod production line in 2007, and drafted the current industry standard for ceramic piston rods (NB/T 35017-2013 Technical Specifications for Ceramic Coated Piston Rods) in 2013, earning authoritative industry recognition for our technical strength.



Model	Bonding strength	Hardness (HV)	Neutral salt spray	Performance	Application scenarios
TCT1.0 Alumina ceramic coating					
TCT1.1	30~40MPa	900~1050	> 4000h	Corrosion resistance; Wear resistance;	Hydraulic parts; Ship components;
TCT1.2	35~40MPa	850~1000	> 4000h	Corrosion resistance; Wear resistance; Better toughness;	Hydraulic parts; Ship components;
TCT1.3	25~35MPa	950~1150	> 3000h	Insulative; Corrosion resistance;	Ship flanges and industrial flanges;
TCT2.0 Chromium oxide ceramic coating					
TCT2.1	25~35MPa	1000~1100	> 4000h	Marine anti-corrosion; Wear resistance;	Offshore platforms; Hydraulic parts; Ship components;
TCT2.2	30~40MPa	950~1100	> 4000h	Marine anti-corrosion; Wear resistance; Better toughness;	Offshore platforms; Hydraulic parts; Ship components;
TCT3.0 Tungsten carbide ceramic coating					
TCT3.1	> 60MPa	1000~1200	> 2000h	Wear resistance; Corrosion resistance; Better toughness;	Alternative to chrome coating;
TCT3.2	> 60MPa	1100~1250	> 2500h	Wear resistance; Corrosion resistance;	Alternative to chrome coating; Flow passage components of hydraulic turbines;
TCT4.0 Chromium carbide ceramic coating					
TCT4.1	> 60MPa	850~950	> 2500h	High-temperature resistance; Wear resistance; Corrosion resistance; Better toughness;	Alternative to chrome coating; Gas turbine blades; Hydraulic parts;
LCT1.0 Nickel-based laser cladding coating					
LCT1.1	Metallurgical bonding	210	> 4000h	Marine anti-corrosion;	Offshore platforms; Seawater environments;
LCT2.0 iron-based laser cladding coating					
LCT2.1	Metallurgical bonding	600	> 2000h	Corrosion resistance; Wear resistance; Better toughness;	Offshore platforms; Seawater environments; Hydraulic parts; Ship components; Alternative to chrome coating;

STROKE SENSOR



Stroke detection unit is the core component for precise control of hydraulic cylinders. Wujin Hydraulic's independently developed active magnetic detection stroke sensing technology, equipped with high-performance data acquisition and processing chips, delivers higher sensitivity, better temperature adaptability and frequency response than traditional Hall sensors. By designing a special structure on the piston rod surface, the sensor obtains accurate real-time position information when approaching, enabling high-precision, high-reliability monitoring of cylinder stroke.

Since the launch of the first-generation product in 2008, we have continuously iterated and launched incremental, absolute and miniaturized series. In 2012, we successfully developed the world's first stroke detection unit with power-off memory function, demonstrating our technical strength and industry leadership.

Product						
Model	CPMS-I	CPMS-I (Improved)	CPMS-II	CPMS-JD	CPMS-JD-mini	
Type	Incremental		Incremental	Absolute	Absolute	
Power-off Memory Time (h)	0		360	Permanent	Permanent	
Detection Accuracy (mm)	±1		±1	±0.5	±0.1	
Protection Rating	IP67	IP68	IP68	IP68	IP68	
Anti-interference Ability	Standard		Medium	High	High	
Cumulative Error	Yes		Yes	No	No	
Operating Speed (m/s)	4		4	6	9	
Output Signal / Communication Protocol	Square Wave Pulse		SSI	4~20mA/SSI	SSI/Modbus/CanOpen/4~20mA	

COMPLETE SOLUTIONS

Backed by the provincial hydraulic cylinder research center, we provide integrated electro-mechanical-hydraulic solutions. We excel in custom system integration tailored to specific working conditions, with unified design of power, control and execution units.

Our system integration optimizes hydraulic systems, electronic controls and actuators for stable coordination under complex conditions.



Widely used in metallurgy, marine, water conservancy, engineering machinery and servo control, with large custom hydraulic & intelligent control systems delivered. Wujin Hydraulic adopts systematic engineering principles, offering full-cycle services from design to commissioning.

We help upgrade performance, efficiency and automation, as your trusted partner for integrated electro-mechanical-hydraulic solutions.

Customized System Development

With an experienced R&D team and advanced design software, we provide integrated design of hydraulic and control systems for complex conditions, ensuring high reliability and precise response.

Intelligent Electronic Control System

The electro-hydraulic system has a max pressure of 45 MPa, supports PLC, fieldbus and IoT, with monitoring, diagnosis and control functions for smart management and maintenance.

Stable wide-temperature operation

Key components and fluid operate reliably at $-40^{\circ}\text{C}\sim 100^{\circ}\text{C}$, stable in extreme cold and heat, suitable for harsh working conditions.

Large-Scale Delivery Capability

Annual capacity of hydraulic power units exceeds 400 sets. We provide full-process delivery and reliable turnkey solutions.

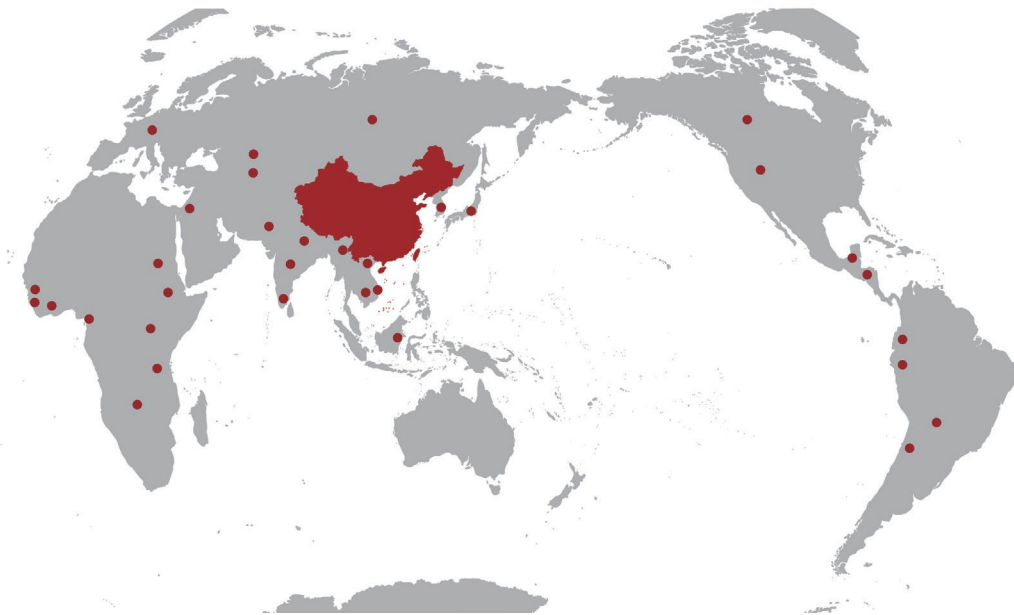
PRODUCTS SHOW



INDUSTRY APPLICATIONS

With reliable products and systematic solutions, our business spans globally, serving over 5,000 clients in more than 30 countries. Widely applied in water conservancy, marine engineering, metallurgy & energy, construction machinery, mining, automotive manufacturing and more, we are deeply engaged in global infrastructure and industrial development.

Looking ahead, adhering to the philosophy of "Professionalism, Innovation, Excellence", Wujin Hydraulic will strengthen R&D and system integration, delivering smarter, more reliable hydraulic systems and total solutions worldwide. We will continue to drive industry progress and build a trusted national industrial brand.



Hydropower & Water Resources



Marine & Offshore



Metals & Energy



Mining



Construction Machinery



Automotive

MAIN PROJECTS

No.	Project Name	Project Location	Equipment Parameters	Bore dia. (mm)	Rod dia. (mm)	Time
1	Song Con 2 Hydropower Station	VietNam	QHLY-2x800kN-4.5m	300	180	2009
			QPPYII-200kN-4.7m	180	90	
			QPPYII-320kN-2.7m	200	100	
2	Nam Lik Hydropower Station	Laos	QHLY-2x3500kN-7.2m	560	280	2010
			QHSY-6000/3000kN-14m	800	500	
3	Huong Dien Hydropower Station	VietNam	QHLY-2x1800kN-11.3m	400	200	2010
			QPKY-850kN-5.2m	250	120	
4	LAJA Hydropower Station	Chile	QHLY-2x1000/2x50kN-6.8m	340	200	2010
5	Djiploho Hydropower Station	Equatorial Guinea	QHLY-2x2000kN-5.5m	430	220	2010
			QHLY-2x1500kN-5.9m	400	220	
			QHLY-2x1250kN-5.6m	360	200	
6	Stung Atay Hydropower Station	Cambodia	QHLY-2x1000kN-5.65m	320	180	2011
7	Moruo Hydropower Station	Malaysia	QPKY-3000/2600kN-9.6m	600	240	2012
8	Dakdrinh Hydropower Station	VietNam	QHLY-2x3000kN-8.2m	500	250	2013
9	Upper Atbara Hydropower Station	Sudan	QHLY-2x2500kN-8.8m	465	210	2014
			QHLY-2x3200kN-9.3m	540	250	
			QHLY-2x1000kN-2.2m	280	180	
10	Kariba Hydropower Station	Zambia	QPKY-1600kN-9.2m	400	180	2014
11	Kaleta Hydropower Station	Guinea	QPKY-1600/1600kN-7.8m	380	180	2014
			QPPYII-1000kN-5.7m	300	160	
			QHSY-800/400kN-5.5m	300	180	
12	Isimba Hydropower Station	Uganda	QPKY-2500kN-13.5m	520	220	2016
			QHSY-2x1600kN-14.2m	450	240	
			QHLY-2x1250kN-5.3m	220	140	
13	Gibe III Project Hydropower Station	Ethiopia	QHLY-2x2200kN-8m	465	260	2016
			QHSY-8000/6000kN-9m	850	400	
			QPKY-3000/6000kN-10.5m	640	320	
14	Delsi Hydropower Station	Ecuador	QHLY-2x800kN-4.5m	380	180	2016
			QHSY-1250/200kN-7.0m	450	160	
15	CCS Hydropower Station	Ecuador	QPPY-2x1800/250kN-8m	510	180	2016
			QHSY-1600kN-5.7m/400kN-5.0m	260	100	
16	Soubre Hydropower Station	Coate d'Ivoire	QPKY-1250kN-7.0m	340	180	2016
17	NamMang 1 Hydropower Station	Laos	QHSY-2000/800kN-9.7m	500	310	2016
			QHLY-2x1000kN-5.5m	320	180	
18	Bao Lac B Hydropower Station	VietNam	QPKY-600kN-5.7m	250	125	2016
			QHLY-2x1650kN-8.2m	400	220	
19	Patuca III Hydropower Station	Honduras	QHLY- 2x4500kN-12 .2m	630	330	2017
20	Nam Tha 1 Hydropower Station	Laos	QHLY-2x2500kN-7.3m	480	230	2017
21	Bao Lam 3 Hydropower Station	VietNam	QPPYII-500kN-3.5m	220	110	2017
			QPPYII-500kN-3m	220	110	
			QPPYII-700kN-4.6m	280	140	
22	Tuyabogiz Hydropower Station	Uzbekistan	QPKY-500/500kN-2.4m	250	140	2018
23	Rao Trang 4 Hydropower Station	VietNam	QHLY-2x1300kN-6.2m	340	180	2018
24	Poechos Reservoir	Peru	QHLY-2x800kN-4m	360	180	2018
25	SONG NHIEM 4	VietNam	QHLY-2x1150kN-6.35m	340	180	2019
			QHSY-500kN-5.5m	220	120	
			QPKY-600kN-4.2m	250	125	
26	Nam Ou III Hydropower Station	Laos	QHLY-2x3200kN-9.5m	550	280	2020
			QPKY-2000/2000kN-11.5m	400	200	
27	Nam Ou IV Hydropower Station	Laos	QHLY-2x3000kN-8.7m	530	280	2020
28	Nam Emoun Hydropower Station	VietNam/Laos	QHLY-2x1400kN-8.12m	400	200	2021
			QHLY-2x1600kN-8.6m	400	200	
29	IALY Extend Hydropower station	VietNam	QPKY-2x2600kN-7.6m	480	200	2023
30	Kerinci merangin Hepp 350MW station	Indonesia	DHLY2x2000kN-8.161m	450	230	2023
31	Nam Phak station	VietNam/Laos	QHLY-2x500kN-2.37m	250	140	2024
			QPKY-1000kN-4.78m	340	140	
32	Dakmi 1 HPP station	VietNam	QHLY-2X1700kN-7.1m	400	200	2024
33	Amaria station	Guinea	QHLY-2X1600kN-7m	420	220	2024
			QHSY-2500kN-11.8m	520	300	
34	Stung Memai II Hydropower Station (Koh Kong)	Cambodia	QHLY-2x1600kN-6.0m	400	210	2025
			QHLY-2x1600kN-7.1m	400	210	



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