



BROCHURE

# Valves



Intelligence For Excellence

[www.hollysys.com](http://www.hollysys.com)

# About Xuzhou HollySys

Xuzhou HollySys Valve Technology Co., Ltd., established in March 2020 and located in the Economic and Technological Development Zone of Xuzhou City, Jiangsu Province, is one of the core enterprises of the HollySys Group in the process industry business sector. With the mission of promoting the localization and intelligent development of control valve technology, we focus on international advanced technologies and provide professional manufacturing, maintenance services, and comprehensive solutions for control valves.

## Comprehensive Product Portfolio

### General Purpose Valves

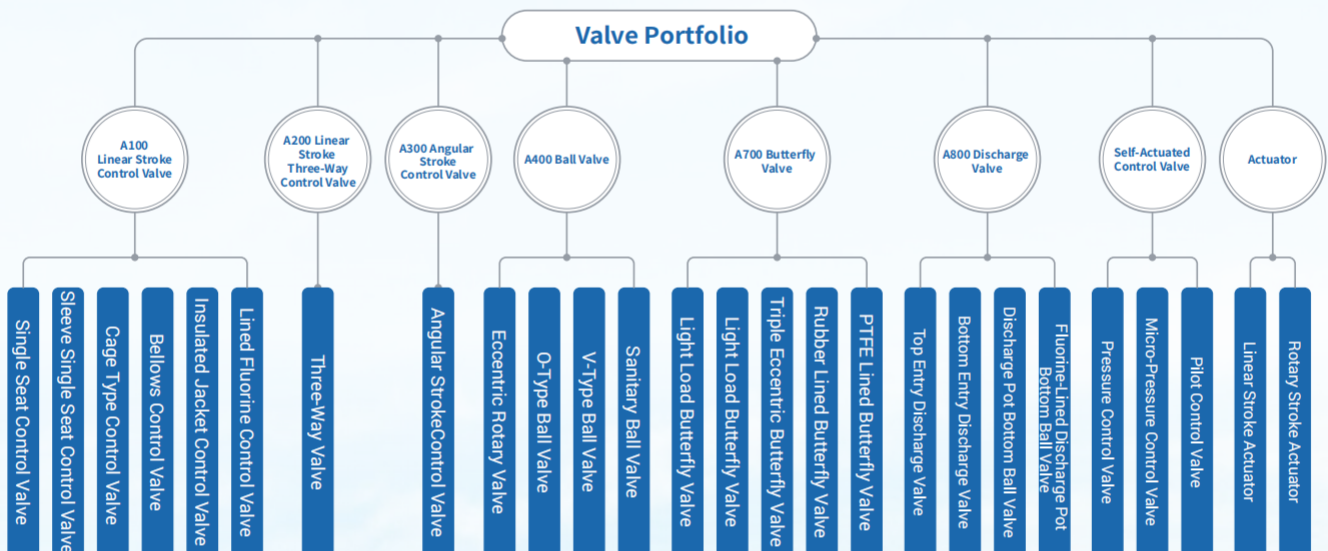
Ball valves, control valves, gate valves, globe valves, butterfly valves, etc., meeting conventional pipeline control needs

### Specialty Valves

High-pressure and high-temperature valves, corrosion-resistant valves, special material valves, etc., designed for extreme operating conditions

### Customized Valves

Providing professional designed and certified products for industries including energy & power, petrochemicals, water treatment, lithium batteries, and biomedicine



## Industries

|                |                |                        |            |              |       |            |
|----------------|----------------|------------------------|------------|--------------|-------|------------|
|                |                |                        |            |              |       |            |
| Petrochemicals | Fine Chemicals | Food & Pharmaceuticals | Metallurgy | Pulp & Paper | Power | New Energy |





## Powering Excellence with Lean & Intelligence

**We possess a vertically integrated manufacturing system ranging from precision machining of core components and advanced material forming to intelligent assembly and testing.**

Utilizing advanced equipment including CNC lathes and CNC machining centers, we ensure that every valve meets industry-leading standards in dimensional accuracy and structural strength. We strictly select high-quality stainless steel, special alloys, and composite materials to provide fundamental guarantees for corrosion resistance, high-pressure tolerance, and extreme temperature endurance.

**We integrate lean production concepts into every link, achieving full-process traceability through a digital Manufacturing Execution System (MES).**

Every valve leaving the factory undergoes rigorous pressure tests, sealing tests, performance calibration, and durability assessments to ensure long-term operational stability and safety, significantly reducing lifecycle maintenance costs.

**HollySys is your partner in the field of fluid control.**

Relying on rapid customized response capabilities and professional technical support, we provide efficient and reliable valve products and system optimization suggestions to help customers improve operational efficiency and ensure system safety and peace of mind.

## Forging an Excellent Benchmark in the Valve Industry with a High-Level Manufacturing Management System

As a core manufacturing entity within HollySys, we adhere to integrated control standards and a globalized vision, while embedding advanced system capabilities across the entire valve R&D and manufacturing value chain. Through rigorous and efficient vertical management, we ensure every valve is delivered with consistent, system-level quality assurance.



### Unified Strategy, Fully Integrated Operations

- **Standardized Management Platform:** We strictly implement unified quality, safety, and environmental management systems (ISO 9001 / ISO 45001 / ISO 14001), enabling full integration of standards, processes, and data across all operations.
- **Resource Synergy Advantage:** Leveraging strong technical support, a robust supply chain system, and cross-industry manufacturing expertise, we have built a deeply integrated and highly resilient resource network.
- **Vertical Quality Control System:** A multi-level quality supervision mechanism has been established, covering end-to-end process control from centralized quality oversight to on-site inspection points. Key process stages are subject to rigorous audits to ensure consistent and controllable product quality.



### Reliable Quality, Systematic Solutions

- **Rapid Response:** Leveraging a robust supply chain and logistics system, we ensure timely delivery for critical projects with high efficiency and reliability.
- **Technology Integration:** By integrating advanced engineering expertise across multiple sectors, we provide cross-industry, innovative valve solutions tailored to customer needs.
- **Risk Assurance:** Supported by strong overall capabilities and a stable operational system, we deliver full lifecycle service assurance and reliable project execution support.



## Main Products



### A100 Single Seat Control Valve



#### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in petrochemicals, chemicals, metallurgy, power, air separation, and pharmaceuticals.

#### Features

- Available valve body materials include carbon steel, stainless steel, low-temperature steel, high-temperature alloy steel, and other special materials.
- It is suitable for controlling fluids under various pressure and temperature conditions. The S-shaped streamlined flow path results in low pressure drop, wide adjustable range, high flow characteristic accuracy, a large plug guiding area, and good vibration resistance.

#### Main Technical Parameters

**Nominal Size:** DN15 to DN300

**Nominal Pressure:** PN1063, CL150, CL300

**Temperature Range:** -100° C to +525° C

**Leakage Class:** ANSI CL.IV, V, VI

**Seal Type:** Hard seal, soft seal

### A100 Cage Single Seat Control Valve



#### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in petrochemicals, chemicals, metallurgy, power, air separation, and pharmaceuticals.

#### Features

- Available valve body materials include carbon steel, stainless steel, low-temperature steel, high-temperature alloy steel, and various other special materials.
- As a high-performance control valve, it is suitable for process control under flashing and cavitation conditions. The S-shaped streamlined flow path ensures low pressure drop, wide adjustable range, and high flow characteristic accuracy. The core adopts a quick-change design for easy maintenance.

#### Main Technical Parameters

**Nominal Size:** DN15 to DN300

**Nominal Pressure:** PN10 to 63, CL150, CL300

**Temperature Range:** -100° C to +525° C

**Leakage Class:** ANSI CL.IV, V, VI

**Seal Type:** Hard seal, soft seal

## A100 Cage Control Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in petrochemicals, chemicals, metallurgy, power, air separation, and pharmaceuticals.

### Features

- Available valve body materials include carbon steel, stainless steel, low-temperature steel, high-temperature alloy steel, and other special materials.
- It is a pressure-balanced control valve with a compact structure, smooth flow passage, high flow characteristic accuracy, and stable, reliable performance with easy maintenance. The plug adopts a pressure-balanced design, enabling high differential pressure control with low actuator thrust. A sealing ring between the plug and cage reduces leakage.

### Main Technical Parameters

**Nominal Size:** DN32 to DN600

**Nominal Pressure:** PN10 to 63, CL150, CL300

**Temperature Range:** -100° C to +525° C

**Leakage Class:** ANSI CL. IV, V, VI

**Seal Type:** Hard seal, soft seal

## A100 Bellows Sealed Single Seat Control Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in petrochemicals, chemicals, metallurgy, power, air separation, and pharmaceuticals. Ideal for highly toxic, volatile, corrosive, radioactive, and rare or precious media.

### Features

- Available valve body materials include carbon steel, stainless steel, low-temperature steel, high-temperature alloy steel, and other special materials.
- It is a top-guided control valve with a compact structure, smooth flow passage, and S-shaped streamlined channel. It offers high flow characteristic accuracy, stable and reliable performance, and easy maintenance. The bellows sealing structure eliminates external leakage through the stem movement gap.

### Main Technical Parameters

**Nominal Size:** DN15 to DN300

**Nominal Pressure:** PN10 to 63, CL150, CL300

**Temperature Range:** -100° C to +350° C

**Leakage Class:** ANSI CL. IV, V, VI

**Seal Type:** Hard seal, soft seal

## A100 Insulated Jacket Single Seat Control Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in petrochemicals, chemicals, metallurgy, power, air separation, and pharmaceuticals. Ideal for media prone to crystallization, thickening, or solidification at low temperatures.

### Features

- Available valve body materials include carbon steel, stainless steel, low-temperature steel, high-temperature alloy steel, and various other special materials.
- It is a derivative of the A100 single seat control valve, offering steam heating and thermal insulation to prevent media crystallization and solidification, avoiding valve blockage.

### Main Technical Parameters

**Nominal Size:** DN15 to DN200

**Nominal Pressure:** PN10 to 63, CL150, CL300

**Temperature Range:** -17° C to +350° C

**Leakage Class:** ANSI CL. IV, V, VI

**Seal Type:** Hard seal, soft seal

**Jacket Flange Nominal Size:** DN10 to DN25

**Jacket Flange Nominal Pressure:** PN10 to 16, CL150

## A100 Fluorine-Lined Single Seat Control Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in petrochemicals, chemicals, metallurgy, power, air separation, and pharmaceuticals.

### Features

- Available valve body materials include carbon steel (WCB) lined with F46 or PFA, and stainless steel (CF8, CF8M) lined with F46 or PFA.
- All wetted parts, including the body cavity, plug, and stem, are lined with corrosion- and aging-resistant perfluoropropylene (F46). A dual sealing structure of PTFE bellows and packing ensures zero leakage. It is suitable for strongly corrosive acids and alkalis, as well as toxic and volatile media.

### Main Technical Parameters

**Nominal Size:** DN15 to DN200      **Nominal Pressure:** PN10 to 16, CL150  
**Temperature Range:** -20° C to +150° C      **Leakage Class:** ANSI CL.VI      **Seal Type:** Soft seal

## A450 O-Type Floating Ball Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in power plants, petroleum, chemical, papermaking, textile, and water treatment industries requiring tight shut-off.

### Features

- Features fire-safe, anti-static, and anti-stem blow-out designs.
- Available valve body materials include carbon steel, stainless steel, low-temperature steel, high-alloy steel, and special materials.
- Adopts a floating ball structure with multiple sealing options for enhanced service life and reliability. Seat options include standard, elastic compensation, fire-safe, anti-static, and anti-stem blow-out types. Soft and hard seals are available, with hardened sealing surfaces and bi-directional sealing capability for various operating conditions.

### Main Technical Parameters

**Nominal Size:** DN15 to DN200      **Nominal Pressure:** PN10 to 63, CL150, CL300  
**Temperature Range:** -45° C to +316° C      **Leakage Class:** ANSI CL.V, VI      **Seal Type:** Hard seal, soft seal

## A450 O-Type Fluorine-Lined Ball Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in chemical, chemical fiber, petroleum, fertilizer, papermaking, pharmaceutical, textile, water treatment, and other industries handling corrosive media with tight shut-off requirements.

### Feature

- Available valve body materials include carbon steel (WCB) lined with PFA, and stainless steel (CF8, CF8M) lined with FEP (F46) or PFA.
- All wetted parts, including the body cavity and ball, are lined with corrosion- and aging-resistant fluoropolymers such as FEP (F46) and PFA, providing excellent chemical stability.

### Main Technical Parameters

**Nominal Size:** DN15 to DN200      **Nominal Pressure:** PN10 to 25, CL150  
**Temperature Range:** -29° C to +200° C      **Leakage Class:** ANSI CL.VI      **Seal Type:** Soft seal

## A450 Three-Way Ball Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied to water, steam, oil products, liquefied gas, natural gas, coal gas, and other media.

### Features

- Available valve body materials include carbon steel, stainless steel, or special materials.
- Any port can be used as an inlet without leakage. Available in L-type, T-type, or Y-type flow configurations according to process requirements.
- Compact structure with reliable sealing, stable performance, and long service life.

### Main Technical Parameters

**Nominal Size:** DN15 to DN300

**Nominal Pressure:** PN10 to 40, CL150, CL300

**Temperature Range:** -45° C to +316° C

**Leakage Class:** ANSI CL.V, VI

**Seal Type:** Hard seal, soft seal

## A450 Multi-V-Port Ball Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in automatic regulation and remote control systems in petroleum, chemical, metallurgy, thermal power, and energy industries.

### Features

- Available valve body materials include carbon steel, stainless steel, high-temperature alloy steel, and other special materials.
- Compact and lightweight design with low operating torque, providing reliable shut-off and excellent regulating performance.
- The multi-V-port ball design enhances control accuracy and ensures a shearing effect.
- It features anti-jamming performance for long-term operation under harsh conditions.

### Main Technical Parameters

**Nominal Size:** DN25 to DN300

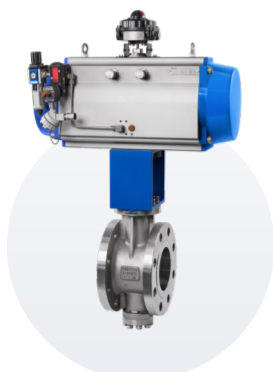
**Nominal Pressure:** PN10 to 40, CL150, CL300

**Temperature Range:** -45° C to +316° C

**Leakage Class:** ANSI CL.V, VI

**Seal Type:** Hard seal, soft seal

## A760 Triple Eccentric Butterfly Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in automatic regulation and remote control systems in metallurgy, chemical, petroleum, thermal power, and energy industries.

### Features

- Available valve body materials include carbon steel, stainless steel, and special materials.
- Adopts a triple-eccentric and modular design, featuring low operating torque, low maintenance cost, excellent sealing performance, and long service life. It provides reliable shut-off and control performance with bi-directional sealing capability.
- Especially suitable for large-diameter, high-flow, and low-pressure-drop regulation and shut-off applications.

### Main Technical Parameters

**Nominal Size:** DN50 to DN1000

**Nominal Pressure:** PN10 to 63, CL150, CL300

**Temperature Range:** -45° C to +316° C

**Leakage Class:** ANSI CL.V, VI

**Seal Type:** Hard seal, soft seal, composite seal

## A800 Pneumatic Top & Bottom Entry Plug Valve



### Applications

- Compliant with GB, ANSI, HG, JB, and other industry standards.
- Top-entry plug valves are used for discharge of reactor vessels with agitators (excluding frame and anchor types), mainly for suspended systems requiring frequent opening and remote control.
- Bottom-entry plug valves are used for discharge of reactor vessels with frame or anchor-type agitators.

### Features

- Available valve body materials include carbon steel, stainless steel, high-temperature alloy steel, and other special materials.
- Compact structure with easy operation, reliable sealing, no media retention, and easy cleaning.
- Designed to adapt to various site conditions and piping layouts, with Y-type angles available in 45°, 50°, 60°, or customized configurations.

### Main Technical Parameters

**Nominal Size:** DN25 to DN300      **Nominal Pressure:** PN6 to 25, CL150  
**Temperature Range:** -5° C to +300° C      **Leakage Class:** ANSI CL.V, VI      **Seal Type:** Hard Seal, soft Seal

## ZZY Self-Acting Pressure Control Valve



### Applications

- Compliant with GB, ANSI, and other industry standards.
- Applied in applications without external energy supply, utilizing pressure variations of the process medium for automatic pressure regulation and stabilization.

### Features

- Available valve body materials include carbon steel, stainless steel, high-temperature alloy steel, and other special materials.
- The ZZY and ZZYP-II pilot-operated self-acting pressure control valves are energy-saving devices that require no external power source. They automatically regulate and maintain constant upstream or downstream pressure based solely on medium pressure changes.

### Main Technical Parameters

**Nominal Size:** DN20 to DN300      **Nominal Pressure:** PN10 to 63, CL150, CL300  
**Temperature Range:** -45° C to +350° C      **Leakage Class:** ANSI CL.V, VI      **Seal Type:** Hard seal, soft seal

## A812 Multi-Spring Pneumatic Diaphragm Actuator



### Applications

Can be used with various linear stroke valves, including single-seat valves, cage valves, PTFE-lined single-seat valves, insulated jacket valves, and discharge valves, forming an integrated valve-actuator system.

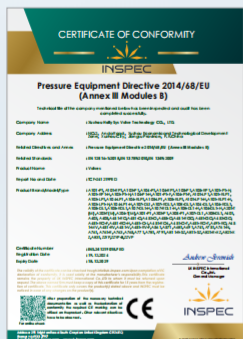
### Features

- Uses high-strength diaphragms with a special formulation, allowing up to 6 bar operating pressure, with high durability, flexibility, and long service life.
- Embossed diaphragm cover design enhances structural strength and signal responsiveness. Internal air supply design eliminates external piping, reducing leakage points and installation cost.
- Wide output force range, with spring combinations providing up to 40,000 N thrust, suitable for various valve sizes and pressures.

### Main Technical Parameters

**Diaphragm Area:** 200, 320, 550, 720, 1,500 cm<sup>2</sup>      **Stroke:** 20, 30, 60, 100 mm  
**Temperature Range:** -40° C to +80° C      **Output Force:** Up to 40,000 N

# Certificates



Certificate of Conformity



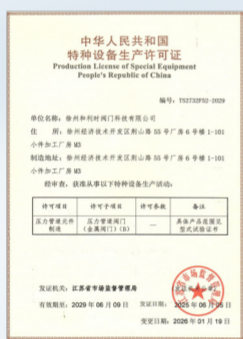
Bureau Veritas Certification



Bureau Veritas Certification



Type Approval Certificate



Special Equipment Production License



Special Equipment Type Test Certificate



Special Equipment Type Test Certificate



Environmental Management System Certification Certificate



National Intellectual Property Patent Register

# Typical References

## Chemicals

### Project Name

|   |
|---|
| Gaomi Xingyu Gloves PU Vulcanization Workshop Glue Preparation DCS & Field Instruments Engineering Project  |
| Chizhou Anhui Hengguang 28 KTA Polyurethane High-Tech Material Plant DCS and E&I Engineering Project  |
| Jining Wenshang Huachen New Material 15 KTA Organosilicon DCS & Field Instruments Engineering Project   |
| Jingmen GEM 20,000-Ton Ternary Precursor DCS/Electrical Instrumentation Engineering Project   |
| Shandong Jining Hanfeng New Material 15 KTA Chemical New Material Construction Field Instruments Engineering Project (Phase I, Phase II)  |
| Jiangxi Jingdezhen Hongbai New Material 50KTA Trichlorosilane, 10 KTA White Carbon Black, 40KTA Special Silicon Field Instruments Engineering Project                             |
| Ankang Huahubo 100 KTA Resin Material Plant DCS and E&I Engineering Project   |
| Jiangmen Badefu 500,000-Ton Acrylic Resin Plant E&I Engineering Project   |
| Henan Kaifeng Deyirui New Material 600-Ton Disperse Yellow, 800-Ton Disperse Dye 54# OCS & Field Instruments Project  |
| Hebei Dongli New Material Co., Ltd. 5 KTA ODA, 1 KTA BPDA, 1 KTA ODP Valves Project   |
| Shihezi Xinjiang Guohua 12.5 KTA Electronic Cooling Liquid Valves Engineering Project   |
| Shandong Linyi Junan County Baitai New Material 1 KTA Silicon Sol Polishing Liquid, 15 KTA Monocrystalline Silicon Wafer CMP Slurry DCS & Field Instruments Project               |
| Guangdong Zhaoqing Juyuan Biochemical Co., Ltd. Vitamin Production Line, 10,000-Ton Tank Farm Field Instruments Project   |
| Linyi Gangtou New Energy Co., Ltd. Instrumentation 1.16-Million-Ton Coal Carbonization Dry Distillation Treatment Comprehensive Utilization Field Instruments Engineering Project |
| Ganzhou Zhongneng 50 KTA NMP Tank Farm Renovation, 150 KTA NMP, 30 KTA GBL, 20 KTA 2P E&I Engineering Project   |
| Hubei Baiwei New Material 10 KTA Fatty Acid DCS, SIS, GDS & Field Instruments Project   |
| Inner Mongolia Deruixin 10 KTA Thiamethoxam, 20 KTA 2-Chloro-5-Chloromethylthiazole DCS, SIS, AMS and E&I Engineering Project   |
| Leling City Dasifu 2,000-Ton Dye Intermediate DCS & Field Instruments Engineering Project   |
| Yantai Yingxing New Material Functionalized Microcapsule OCS and E&I Engineering Project  |
| Shandong Zibo Haode Plastic 150,000-Ton Nitrile Latex Expansion OCS and E&I Engineering Project   |
| Zibo Dongyue Organosilicon Field Instruments & Valves Project   |
| Wuhuan General Contracting Xiangyang Yunlin New Material Self-Developed Valves Project  |

### Client Name

|  |
|--|
| Shandong Xingyu Gloves Co., Ltd.                   |
| Anhui Hengguang Polyurethane Material Co., Ltd.    |
| Wenshang Huachen New Material Co., Ltd.            |
| Jingmen Gelinmei New Material Co., Ltd.            |
| Shandong Hanfeng New Material Technology Co., Ltd. |
| Jiangxi Hongbai New Material Co., Ltd.             |
| Shaanxi Huahubo Biotechnology Co., Ltd.            |
| Badefu (Jiangmen) New Material Co., Ltd.           |
| Henan Deyirui New Material Co., Ltd.               |
| Hebei Dongli New Material Co., Ltd.                |
| Xinjiang Guohua Material Technology Co., Ltd.      |
| Shandong Baitai New Material Co., Ltd.             |
| Zhaoqing Juyuan Biochemical Co., Ltd.              |
| Linyi Gangtou New Energy Co., Ltd.                 |
| Ganzhou Zhongneng Industrial Co., Ltd.             |
| Hubei Baiwei New Material Co., Ltd.                |
| Inner Mongolia Derui Biotechnology Co., Ltd.       |
| Shandong Dasifu New Material Co., Ltd.             |
| Yingxing New Material (Yantai) Co., Ltd.           |
| Shandong Haode Plastic Co., Ltd.                   |
| Shandong Dongyue Group                             |
| Hubei Xiangyun (Group) Chemical Co., Ltd.          |

## Food & Pharmaceuticals

### Project Name

|   |
|---|
| Datong Sinopharm Weiqida Pharmaceutical Cephalosporin Division Workshop 103, Workshop 104 Fermentation Re-cultivation, 6APA Workshop, 7-ACA Refining Workshop Recovery Instrumentation & DCS EPC Project    |
| Weinan City Shaanxi Youbang Biomedical Technology Annual 500-Ton Pharmaceutical Intermediate DCS, SIS, BATCH & Field Instruments Engineering Project  |
| Guang'an City Sichuan Xinqingyang Pharmaceutical 5,000-Ton API DCS, SIS and E&I Engineering Project   |
| Huangshi City Hubei Yuanda Biotechnology Co., Ltd. L-Cysteine Technology Upgrading DCS and E&I Engineering Project  |
| Alxa League Inner Mongolia Fenglang Pharmaceutical 1,000-Ton Propionic Acid E&I Engineering Project   |
| Jixi City Heilongjiang Yadi New Materials Annual 13,000-Ton Green Fungicide, Pharmaceutical Intermediates and Environmental Protection New Materials Workshop 2, 5, 7 Instrumentation & Control EPC Project |
| Zhoukou Koda Pharmaceutical Synthesis & Recovery Workshop 20 KTA API 1.5 KTA Cephalosporin Raw Material DCS and E&I EPC Project   |
| Taizhou Sitai Li Annual 5-Ton Lopromide, 40-Ton JSQ, 3-kg Regadenoson Engineering Project   |
| Guilin City Guangxi Yifang Tianjiang Pharmaceutical China Traditional Chinese Medicine (Guilin) Industrial Park Phase II - Production Base DCS, BATCH, Field Instruments System Expansion Project           |
| Lanzhou City Gansu Nongken Pharmaceutical Alkali Plant 500,000-Ton Pesticide Intermediate Unit Field Instruments & Valves Project   |
| Shijiazhuang CSPC Xinnuwei Pharmaceutical 3* Reactor Automation Retrofitting PLC & E&I Installation Engineering Project   |
| Tianjin Julong Pharmaceutical Phase II & III 7 Workshops Safety Automation Retrofitting Field Instruments and E&I Engineering Project   |
| Aksu Aodu Sugar Industry Co., Ltd. 1-Million-Ton Sugar Beet 120,000-Ton White Granulated Sugar Main Unit Field Instruments & Valves Engineering Project   |
| Pingxiang City Jiangxi Alpha 2.16 KTA Pharmaceutical Excipients Construction Valves Engineering Project   |
| Zhumadian City Henan Linuo Pharmaceutical Workshop 101 Workshop 102 West Side Furacrylic Acid OCS & Field Instruments Engineering Project   |
| Shandong Shenghua Technology Pharmaceutical Intermediate Project 12, 13# Workshop Technical Retrofitting OCS and E&I Engineering Project  |
| Linfen City Yunpeng Pharmaceutical Workshop 201 Upgrading E&I Engineering Project   |
| Linfen City Xiangfen County Huirui Pharmaceutical Workshop 202 Beiyuan Workshop DCS, SIS and E&I Pipeline Equipment Installation Engineering Project  |
| Xuchang New World Workshop 203, 205 OCS, LKS PLC and E&I Engineering Project  |
| Hunan Kaiyuan Meida Pharmaceutical Co., Ltd. Oral Reagents, API & Intermediate Production OCS, SIS, Field Instruments Engineering Project   |
| Jiujiang Huahao New Materials 27 KTA Organosilicon Materials DCS and E&I Engineering Project  |
| Zhaoqing Juyuan Biochemical A1 Workshop Field Instruments Project   |

### Client Name

|   |
|---|
| Sinopharm Weiqida Pharmaceutical Co., Ltd.                  |
| Shaanxi Youbang Biomedical Technology Co., Ltd.             |
| Sichuan Xinqingyang Pharmaceutical Co., Ltd.                |
| Hubei Yuanda Biotechnology Co., Ltd.                        |
| Inner Mongolia Fenglang Pharmaceutical Co., Ltd.            |
| Heilongjiang Yadi New Material Co., Ltd.                    |
| Henan Koda Pharmaceutical Co., Ltd.                         |
| Zhejiang Sitai Li Pharmaceutical Co., Ltd.                  |
| Guangxi Yifang Tianjiang Pharmaceutical Co., Ltd.           |
| Gansu Nongken Pharmaceutical Alkali Plant Co., Ltd.         |
| CSPC Pharmaceutical Group Co., Ltd.                         |
| Julong Pharmaceutical Co., Ltd.                             |
| Aksu Aodu Sugar Industry Co., Ltd.                          |
| Jiangxi Alpha High-tech Pharmaceutical Co., Ltd.            |
| Henan Linuo Pharmaceutical Co., Ltd.                        |
| Shandong Shenghua New Material Technology Co., Ltd.         |
| Yunpeng Pharmaceutical Group Co., Ltd.                      |
| Linfen City Xiangfen County Huirui Pharmaceutical Co., Ltd. |
| New World Pharmaceutical Co., Ltd.                          |
| Hunan Kaiyuan Meida Pharmaceutical Co., Ltd.                |
| Jiangxi Huahao Chemical Co., Ltd.                           |
| Zhaoqing Juyuan Biochemical Co., Ltd.                       |

## Metallurgy & Building Materials



| Project Name   | Client Name  |
|--|--|
| Lanzhou Defu New Material 50 KTA High-End Electrolytic Copper Foil DCS & Field Instruments Engineering Project   | Gansu Defu New Material Co., Ltd.                                  |
| Ganzhou Jirui 25 KTA Nickel-Cobalt New Energy Material No. 9 Workshop Automation Retrofitting Engineering Project  | Ganzhou Jirui New Energy Technology Co., Ltd.                      |
| Hechi Nan'guo Copper 400K TPA Copper Smelting Comprehensive Recovery and Energy Saving Environmental Protection Upgrade Project Acid Treatment Engineering Project | Guangxi Nan'guo Copper Co., Ltd.                                   |
| Hubei Tian'an New Building Materials 90 KTA Ethylhexyl Acrylate, Ethylhexyl Methacrylate (Propyl) Ester Water Reducing Agent Expansion Project                     | Hubei Tian'an New Building Materials Co., Ltd.                     |
| Jiangxi Dexing Copper Mine 22.5 KTD Ore Dressing Supporting Water Supply Field Instruments Project   | Jiangxi Copper Co., Ltd. Dexing Copper Mine                        |
| Jinchang Jinchuan Copper 400 KTA Intelligent Copper Electrolysis Supporting Valves Engineering Project   | Jinchuan Group Copper Co., Ltd.                                    |
| Jiujiang Defu 5 KTA High-End Electrolytic Copper Foil Field Instruments Project  | Jiujiang Defu Technology Co., Ltd.                                 |
| Linyi Linyi Iron & Steel 20 KTA Desulfurization Waste Liquid and Sulfur Foam to Acid Project DCS, SIS, E&I Installation Engineering Project                        | Linyi Iron & Steel Investment Group                                |
| Qingyuan Zhongxin Fiberglass Field Instruments Project   | Qingyuan Zhongxin Century Electronic Material Co., Ltd.            |
| Dongying Hesheng Copper Phase III & IV 10,000-Ton Electronic Copper Foil Metallurgy DCS and E&I Engineering Project  | Shandong Hesheng Copper Co., Ltd.                                  |
| Weifang Changyi Mingxing Chemical 30 KTA Zinc Chloride Wax DCS, Field Instruments & Valves Engineering Project   | Shandong Mingxing Chemical Co., Ltd.                               |
| Shandong Tai'an Ruifu Lithium 20,000-Ton Lithium Carbonate Project   | Shandong Ruifu Lithium Co., Ltd.                                   |
| Lvliang Huaxing Aluminum 40-Ton Metal Gallium System Expansion Project   | Shanxi Huaxing Aluminum Co., Ltd.                                  |
| Tangshan Lanxin Glass 1.2# 500 TPD Float Production Line Tank Farm DCS Field Instruments Engineering Project   | Tangshan Lanxin Glass Co., Ltd.                                    |
| Xinjiang Changji Wuxin Copper Field Instruments & Valves Project   | Xinjiang Wuxin Copper Co., Ltd.                                    |
| Urumqi Xinjiang Zhonghe 100 KTA Casting E&I Engineering Project  | Xinjiang Zhonghe Co., Ltd.   |
| Jiangmen Xinyi Energy Saving Float Glass 800-Ton E&I Engineering Project   | Xinyi Energy Saving Glass (Jiangmen) Co., Ltd.                     |
| Kunming Yuntong Southwest Copper Branch 550,000-Ton Copper Smelting Anode Slime Sulfuric Acid Area E&I Engineering Project   | Yunnan Copper Co., Ltd. Southwest Copper Branch                    |
| Zhongjin Lingnan Shaoguan Smelter Spare Parts Project  | Zhongjin Lingnan Non-Ferrous Metals Co., Ltd. Shaoguan Smelter     |
| Jiangxi Pingxiang China Railway Construction Materials 10 KTA Rail Transit Catenary Insulator Field Instruments Project  | China Railway Construction Materials Insulation Material Co., Ltd. |
| Israel Adnic 500-Ton Copper Foil Pilot Workshop DCS & Field Instruments Engineering Project  | Israel   |

## New Energy & Others




| Project Name  | Client Name  |
|---|--|
| Changling Hanwei Environmental Protection 1 × 500 TPD Waste Incineration Power Generation E&I Engineering Project   | Guangdong Hanwei Environmental Protection Investment Co., Ltd.           |
| Harbin Bayan Nur Your Thermal Power Co., Ltd. 135t/h Biomass Boiler + 114 MW Boiler DCS & Field Instruments Engineering Project                                 | Bayan Nur Housing and Urban-Rural Development Bureau                     |
| Panjin City Liaoning Xinyuan Jinjin New Material 14,500 KTA New Intermediate & New Energy Material Additive Project (Hydrogenation Workshop Field Instruments)  | Liaoning Xinyuan Jinjin New Material Co., Ltd.                           |
| Zunyi City Guizhou Jinze New Energy Technology 60 KTA Metallurgical Industrial Tail Gas Biological Fermentation Variable Fuel Ethanol Valve Engineering Project | Guizhou Jinze New Energy Technology Co., Ltd.                            |
| Ganzhou Zhongneng Industrial Annual 50 KTA NMP Plant DCS and E&I Engineering Project  | Ganzhou Zhongneng Industrial Co., Ltd.                                   |
| Leshan City Fuhua Zone B 10,000-Ton Incineration Unit Upgrade Renovation DCS and E&I Engineering Project  | Fuhua Tongda Chemical Co., Ltd.  |
| Fuzhou City Jiangxi Guohua Workshop 103 200 TPA Trifluoromethanesulfonic Acid E&I Engineering Project   | Jiangxi Guohua Industrial Co., Ltd.                                      |
| Longyan Changting County 1 × 400 TPD + 1 × 9.9 MW Waste Power Generation E&I Engineering Project  | Fujian Changting Chenglong Environmental Protection Technology Co., Ltd. |
| Shandong Weihai Xinyuan New Material Workshop No. 9 & 10 Spare Parts Field Instruments & Valves Project   | Weihai Xinyuan New Material Co., Ltd.                                    |
| Zibo Dongyue Organosilicon Comprehensive Utilization E&I Engineering Project  | Shandong Dongyue Group   |
| Hubei Hongyuan Pharmaceutical No. 3 Coal-fired Boiler Heating DCS Engineering Project   | Hubei Hongyuan Pharmaceutical Technology Co., Ltd.                       |
| Guangdong Zhongshan Subot 10,000-Ton Flame Retardant Heating Boiler Retrofitting Field Instruments & Valves Project   | Zhongshan Subot New Material Co., Ltd.                                   |
| Huaibei City Tanxi Pufa Biomass Power Generation Co., Ltd. 130 t/h Biomass Water-cooled Furnace Boiler Field Instruments Project                                | Tanxi Pufa Biomass Power Generation Co., Ltd.                            |
| Sanwo Liyuan Aerospace Technology Workshop 805 Automation Renovation E&I Engineering Project  | Hubei Sanwo Liyuan Aerospace Technology Co., Ltd.                        |
| Changsha City Yongqing Lithium Co., Ltd. 22 KTA Lithium Battery New Energy Material Field Instruments & Valves Project (Phase I)                                | Changsha Yongqing Lithium Co., Ltd.                                      |
| Golmud City CITIC Guoan 60T Boiler Automation Renovation DCS, Field Instruments, Valves & MES Engineering Project   | Qinghai CITIC Guoan Technology Development Co., Ltd.                     |
| Qingke Weichuang (Shandong) Intelligent Equipment Co., Ltd. Field Instruments & Valves Project  | Qingke Weichuang (Shandong) Intelligent Equipment Co., Ltd.              |
| Anhui Puheng Optical Material Display Module Material DCS & Field Instruments Engineering Project   | Anhui Hengguang Polyurethane Material Co., Ltd.                          |
| Xining City Taifeng Xianxing 135-1 Self-Developed Valve Engineering Project   | Qinghai Taifeng Xianxing Lithium Energy Technology Co., Ltd.             |
| Yibin Fute Special Annual 20,000 Tons Silicon Carbon Anode Silicon Material Field Instruments Project   | Sichuan Fute New Energy Technology Co., Ltd.                             |
| Jinzhong City Shouyang Huaxin Thermal Power 3 × 42 MW Natural Gas Thermal Power Plant Field Instruments Project   | Shanxi Shouyang Huaxin Thermal Power Co., Ltd.                           |

## Key Accounts


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| <br>We create chemistry | <br>energy   chemicals   resources |    |    |    |
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