



江苏西特斯科技有限公司
Jiangsu Systems Technology Co., LTD

Jiangsu Systems Technology

The largest supplier of equipment, components and spare parts for mechanical engineering, fuel and energy and chemical industries

Jiangsu Systems Technology

We open doors to new perspectives and create real business opportunities

We provide our customers with the best modern equipment made in China. Over 15 years of successful supply to Russia has allowed us to accumulate invaluable experience and build strong business relationships with leading Chinese manufacturers

We offer a comprehensive solution, covering all stages, from design to after-sales service

- **a reliable partner in the import of high-quality equipment from China**



Jiangsu Systems Technology

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17 years

— The team's experience in the Chinese market

50 +

— Manufacturing plants in China

>100,000 T

— Delivered products

50,000 +

— Units of equipment supplied



Jiangsu Systems Technology provides

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- Design support
- Manufacturing supervision
- Equipment certification
- Delivery to the consumer
- Installation supervision and commissioning
- Warranty and post-warranty service



Gas turbine
equipment



Castings and
forgings



Heat exchange
equipment



Gearboxes and
transmissions



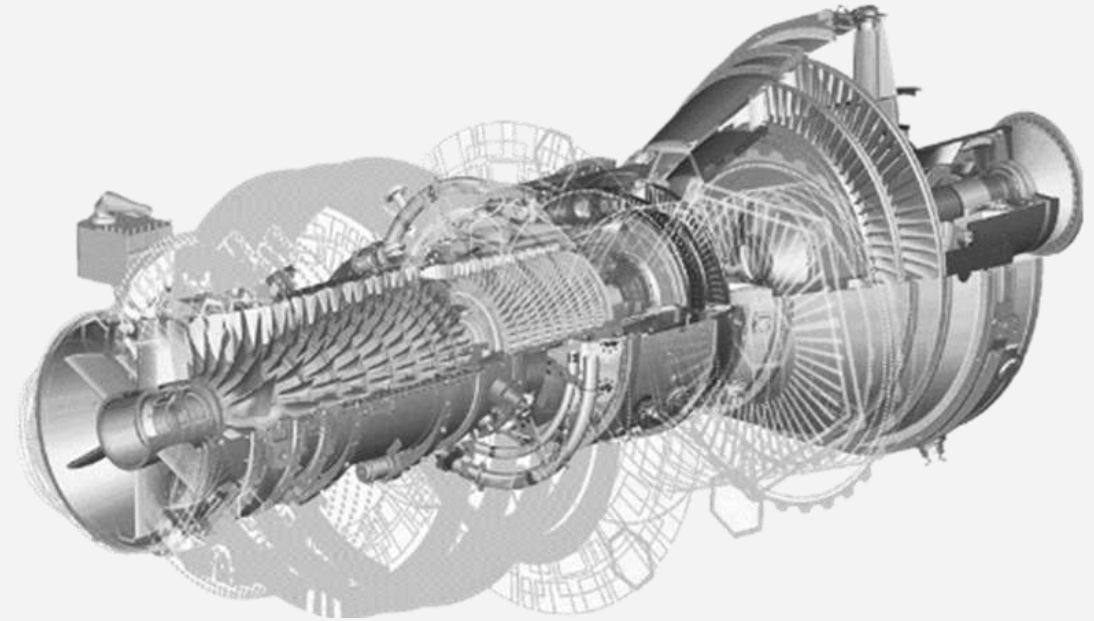
Other
equipment



Gas turbine equipment

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- Stationary gas turbine installations based on 5-40 MW, 110 MW
- Mobile gas turbine plants based on 5-30 MW turbines
- Experimental hydrogen and ammonia fuel plants
- Gas turbine generator sets
- Components of MS5002E gas turbines and gas turbine engines for marine and industrial applications



Small power
5-15 MW

Medium power
25-50 MW

Big power
over 100 MW



Design



Production



Installation and precommissioning



Warranty service

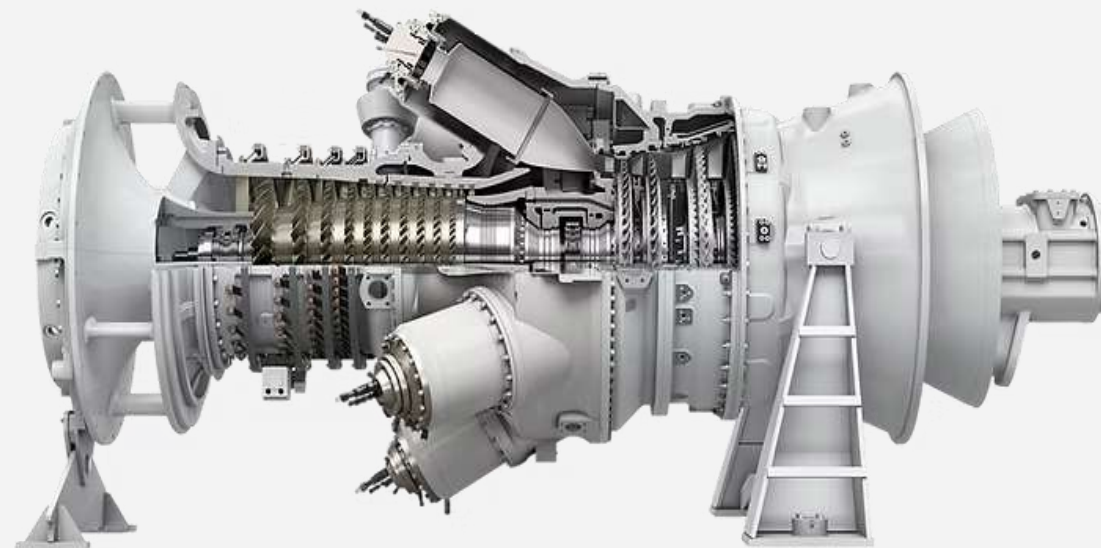


Low power 5-15 MW gas turbine

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Low-power gas turbines (5-15 MW)

are used as auxiliary power plants in the oil and gas, chemical, metallurgical, and other industries, as well as peaking units in the electric power sector



Models	SGT-100	SGT-200	SGT-300	SGT-400
Electricity generation, MW	4,95-5,25	6,45/6,75	7,9	12,9/14,4
Efficiency, %	30,2	31,5	30,6	35
Fuel type	natural gas, liquid fuel and other fuels upon request			
Thermal power, kJ/kWh	11,914	11,418	11,773	10,355
Exhaust gas temperature, °C	545	466	542	555 / 540
Exhaust gas consumption, kg/s	19,5	29,3	30,2	39,4/44,3
Generator rotation speed, rpm	17 380	11 053	14 010	9 500
NOx emission values, ppm	≤25	≤25	≤25	≤25



Medium power 25-50 MW gas turbine

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Medium-power gas turbine units are used in stand-alone gas turbine thermal power plants with short commissioning times (up to 45–60 days)

Mobile gas turbine units are also available—mobile **power plants** consisting of a gas turbine, generator, and exhaust gas purification system (mounted on trailers)



Models	CGT25 серия	CGT30 серия	CGT40 серия
Electricity generation, MW	25,5	33,5	44
Efficiency, %	35,4	39,3	40,5



Gas turbine modifications 25-40 MW

CGT25-EA CGT25-EB CGT30-E CGT40-E	Generation	• Factory-owned power plants • Chemical waste disposal • Combined heat, cold, and electric power generation
CGT25-D CGT30-D CGT40-D	Mechanical drive	• Oil and gas transportation • Drives pumps, compressors, and other process equipment
CGT25-T	Mobile power station	• Mobile generation

Models	CGT25EB	CGT25EA	CGT30E	CGT40E	CGT25D	CGT30D	CGT40D	CGT25T
	generation				mechanical drive			mobile power station
Electricity generation, MW	25,5	25,5	32,93	42,6	26,0	33,5	44,0	25,5
Efficiency, %	35,42	35,42	38,63	39,21	36,0	39,3	40,5	35,42
Fuel type	natural gas / diesel fuel			natural gas				natural gas / diesel fuel
Thermal power, kJ/kWh	480	480	497	514	475	497	514	480
Exhaust gas temperature, °C	90	90	104	120,5	88	104	120,5	90
Exhaust gas consumption, kg/s	3 000	3 000	3 000	1 500	5 000	4 500	4 500	3 000
Generator rotation speed, rpm	≤25	≤25	≤25	≤25	≤25	≤25	≤25	≤25



Big power over 100 WM Gas turbine

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High-power gas turbines with a capacity of over 100 MW are used in large-scale power plants

We supply gas turbine generator sets based on the AGT110 with a capacity of 110 MW



Models	AGT110
Electricity generation, MW	$\geq 110 \text{ MB}_T$
Efficiency, %	$\geq 34,5\%$
Fuel type	natural gas
Thermal power, kJ/kWh	516,8
Exhaust gas temperature, °C	≤ 362
Exhaust gas consumption, kg/s	3000
Generator rotation speed, rpm	25



Castings and forgings

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We supply forgings and castings, as well as finished products of various sizes, made from a wide range of ferrous and non-ferrous metals for the oil and gas, energy, mechanical engineering, and other industries

We use innovative and patented materials in our production

N08810, N08120

High-temperature corrosion-resistant alloy

Incoloy825, GH4169, GH4133

Высокотемпературный сплав

4J32, 4J36

Invar

316H, TA15, TC4, TC18

Ultra-pure stainless steel

TA8, TA15, TC4, TC18

Titanium alloy

C17140, C17200, C18150, C19900

Copper alloy



Bushing parts



Ring parts



Shaft parts



Sheets (plates)

Complex-shaped forgings

with high geometric precision, produced on high-tech equipment, do not require additional mechanical processing (grinding, milling, etc.)

Technical specifications:

Ring parts	Outside diameter: $\leq 2,200$ mm Height: < 500 mm. Wall thickness: from 100 mm
Bushing parts	Outside diameter: ≤ 1500 mm Length: < 2200 mm. Wall thickness: from 100 mm
Shaft parts	Diameter: ≤ 120 mm. Length: $< 10,000$ mm
Sheet (plate)	Length: $< 12,000$ mm Width: $< 1,840$ mm. Thickness: 60 mm - 500 mm
Non-standard	forging of blanks according to customer drawings



Mechanical engineering parts



Turbine parts



Dredger parts



Drilling rig parts

Castings made from titanium, heat-resistant steel, and copper alloys

with the addition of beryllium, cobalt, and nickel significantly improve the overall material properties

These alloys combine strength, electrical conductivity, fatigue and corrosion resistance, and machinability

Technical specifications:

Alloys	carbon steel, alloy steel, Inconel 718, Incoloy 800, stainless steel, titanium alloys, copper and bronze alloys
Annual volume	35 000 tons
Weight of castings	50 - 50 000 kg
Dimensions	100 – 12 000 mm



Heat exchange equipment

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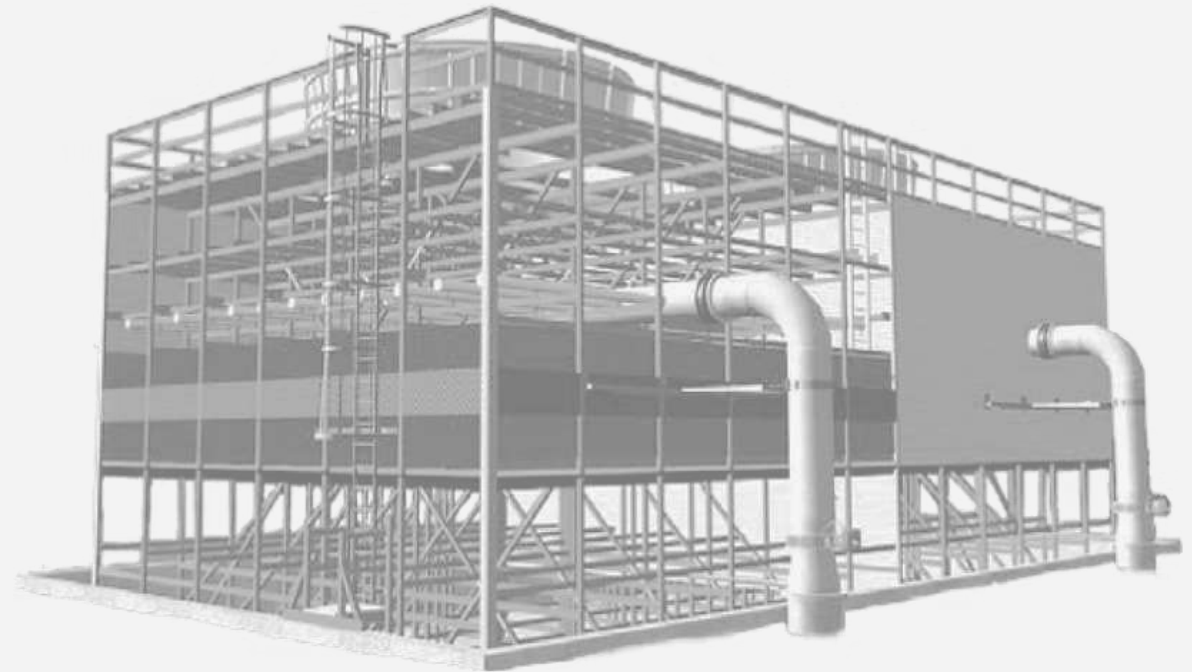
We supply heat exchange equipment for various industries:

Power generation: cooling gas piston engines

Oil and gas: preventing overheating and hazardous high-temperature reactors and pipes

Chemical industry: ammonia vapor condensation

Metallurgy: cooling furnaces, rolling mills, casting machines, and other units



Cooling towers



Air cooler unit



Heat exchangers



Air-cooling units

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Air cooling units are designed for cooling and condensing gaseous, vaporous, and liquid media in industrial processes. Upon customer request, we supply air cooling units with the following systems:

- product supply and discharge
- air recirculation
- automated control
- humidifier, air heater
- service areas
- auxiliary tools

They consist of horizontally arranged pipe sections made up of finned bimetallic pipes



Horizontal air cooling units

The device is supplied in assembled form, which reduces costs and time for installation work



Block-modular air cooling units

The apparatus consists of pipe sections arranged in a zigzag pattern at an acute angle to each other and to the support platform



Zigzag Air cooling units

The design of the air cooling unit is determined strictly by the Customer's technical project



Individual air cooling units



Cooling towers are designed to cool and condense gaseous, vaporous, and liquid media in industrial processes in oil and gas production, oil refining, petrochemical, and other industries

High-capacity cooling towers are used in water recycling systems to cool heat exchangers, particularly at thermal and nuclear power plants

They consist of horizontally arranged pipe sections made up of finned bimetallic pipes



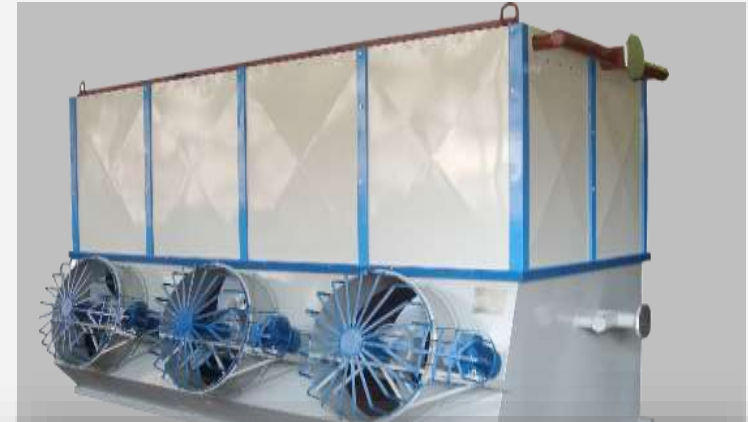
Fan cooling towers

They are assembled on site and are characterized by significant power, installed at facilities with high consumption of circulating water



Industrial cooling towers

Designed for businesses with a small turnover cycle, they are supplied ready to operate and do not require a dedicated basin



Zigzag air cooler units

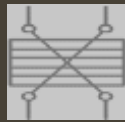


Efficient and reliable heat exchangers for modernization and construction of new generating facilities.

Our specialists will help you solve problems related to increasing the performance of heat exchange equipment when replacing worn/obsolete equipment.



LSH-bloc heat exchanger



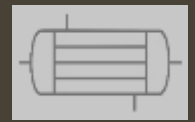
Welded plate heat exchangers



Disassemblable plate heat exchangers



Semi-welded plate heat exchangers



Shell and plate heat exchangers



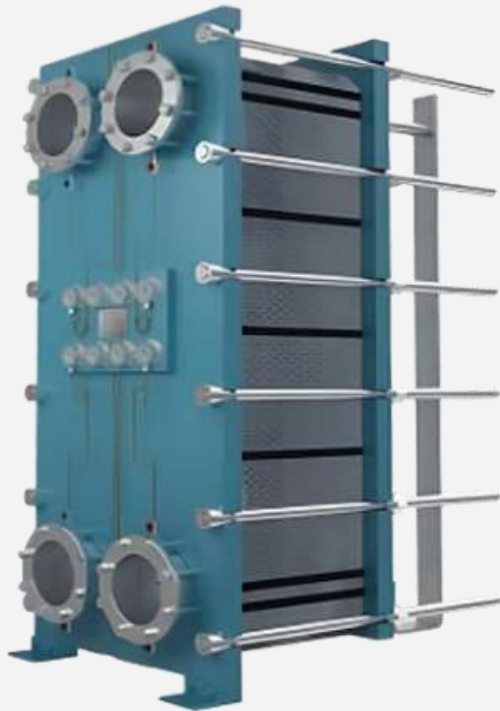
Disassemblable plate heat exchanger

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The advantages of dismountable heat exchangers include ease of repair and maintenance

The dismountable design allows for the addition or removal of plates, changing the capacity

The plates can be cleaned separately



Technical specifications:

Corrugation depth: 2.0-14 mm

Maximum bearing capacity: 2.5 MPa

Maximum angular aperture: 500 mm

Maximum single-layer plywood area: 3.65 m²

Maximum assembly area: 3800 m²

Maximum capacity: 4200 m³/h

Minimum height: 4.5 m

The gasketed plate heat exchanger is widely used in central heating, air conditioning, nuclear power, shipbuilding, military, petroleum, chemical, medical, food, paper, textile and other industries

Semi-welded plate heat exchanger

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A **semi-welded plate heat** exchanger is a rational alternative between tubular and fully welded plate heat exchangers, particularly effective for aggressive liquids

Advantages: high heat transfer efficiency, easy repair and cleaning, design ensures leak-proof, safe, and reliable operation



Technical specifications:

Corrugation depth: 2.5-5.5mm

Maximum bearing capacity: 3.5MPa

Maximum angular aperture: 450mm

Maximum assembly area: 3300m²

Maximum capacity: 2800m³/h

Minimum height: 4.5m

It is mainly used in the following industrial fields: chemical, petrochemical, metallurgical industry, as well as mechanical engineering

The **all-welded plate heat exchanger** combines the efficient heat transfer and compact design of a plate heat exchanger with the high-pressure and temperature resistance of a shell-and-tube heat exchanger. Its efficiency is 3-5 times higher than traditional tubular alternatives.



Technical specifications:

Working temperature: - 200~900 °C

Minimum temperature difference: 1 °C

Maximum bearing capacity: 6 MPa

Maximum assembly area: 6000 m²

Plate thickness: 0.5~1.2 mm

It is used in electric power, metallurgy, oil refining, chemical industry and other industries



LSH-bloc heat exchanger

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The LSH-bloc heat exchanger is highly efficient, compact, and can withstand high pressure and temperature, allowing it to be installed even in confined spaces

It consists of multiple plates welded together to form channels for the fluid to flow. Heat is transferred between the plates, ensuring efficient heat transfer



Technical specifications:

Working temperature: $-200 \sim 900^{\circ}\text{C}$

Minimum temperature difference: 1°C

Maximum bearing capacity: 4 MPa

Maximum assembly area: 1500 m²

Plate thickness: 0.5~1.2 mm

It is widely used in oil refining processes (decompression, catalysis, hydrogenation, etc.)

The shell and plate heat exchanger is a cutting-edge technology capable of efficiently transferring heat between two media. It consists of a shell and a corrugated plate, which ensure optimal heat distribution and increase efficiency. Its operating principle is based on counter-current heat exchange, where the hot and cold media pass through separate channels, ensuring maximum heat transfer efficiency.



Technical specifications:

Working temperature: $-200 \sim 900^{\circ}\text{C}$

Minimum temperature difference: 1°C

Maximum bearing capacity: 9 MPa

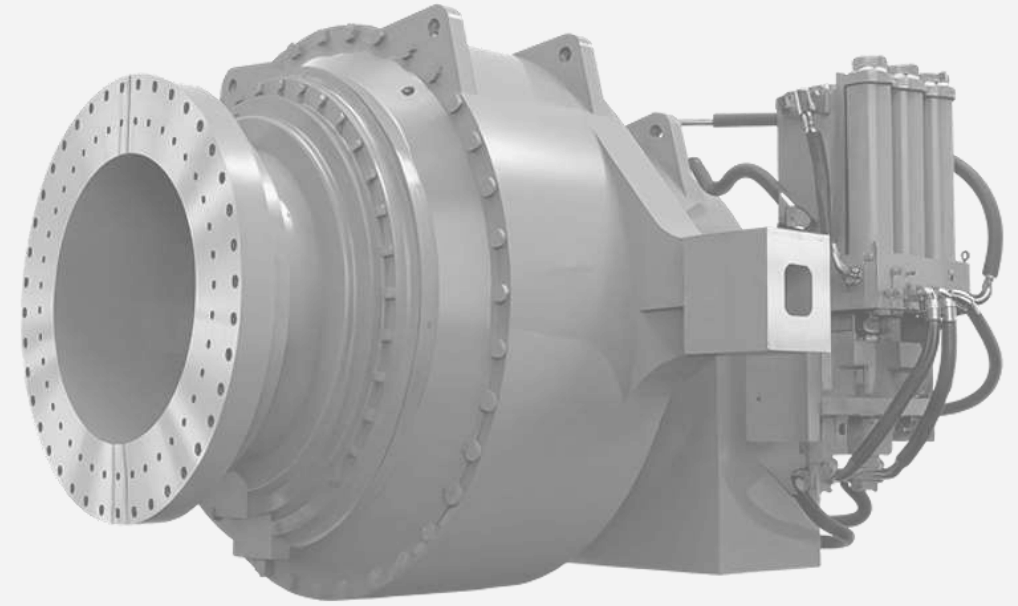
Maximum assembly area: 12,000 m²

Plate thickness: 0.5~1.2 mm

Shell and plate heat exchangers are used in catalytic reforming, reactor hydrogenation, heat recovery, cogeneration and other applications.



We supply the best solutions in the field of **gearboxes and power transmissions** used in wind energy, industrial equipment, rail transport, pipeline systems in various industries



**Gearboxes
for wind energy**



**Gearboxes
for rail transport**



**Industrial
gearboxes**



Reducers for the wind power industry

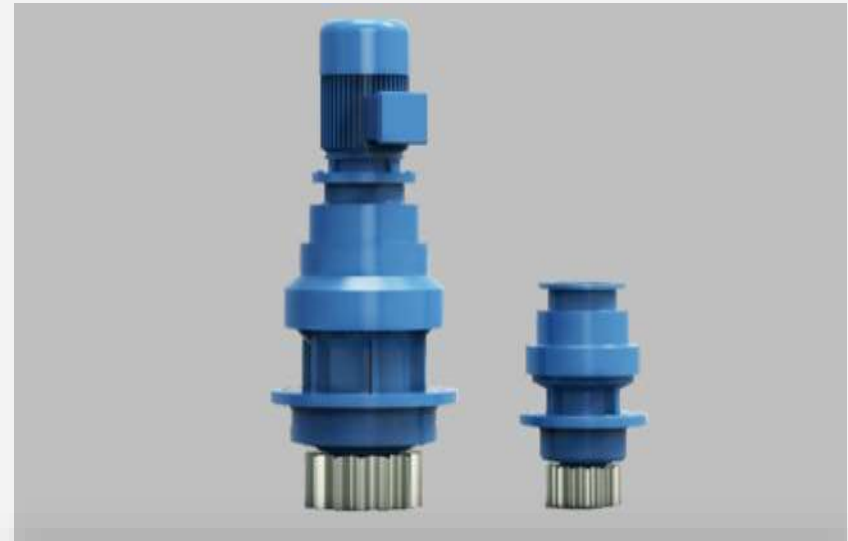
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We offer a wide selection of wind turbine **main (planetary) gearboxes**, as well as rotary gearboxes. These products can be used in a variety of conditions, including low and high temperatures, low wind speeds, high altitudes, deserts, and marine environments

Purpose: Main gearboxes provide rotor (blade) rotation speed; rotary gearboxes rotate the wind turbine nacelle around the vertical axis



Main gearboxes
(power from 1.5 to 20+ MW)



Slewing gearboxes
(torque range from 10 to 300 kNm)



Gearboxes for rail transport

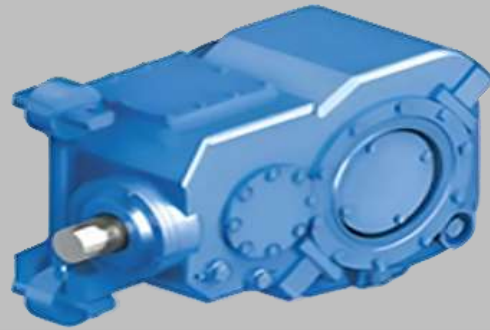
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The design of gearboxes for railway transport provides reduced vibration and noise levels, high efficiency, reliability, and maintainability

All products are ISO/TS22163:2017 (International Railway Industry Standard) certified and CRCC certified for railway products



For high-speed trains
(200 - 400 km/h)



For high-speed trains
(60 - 80 km/h)



For high-speed trains
(80 - 160 km/h)



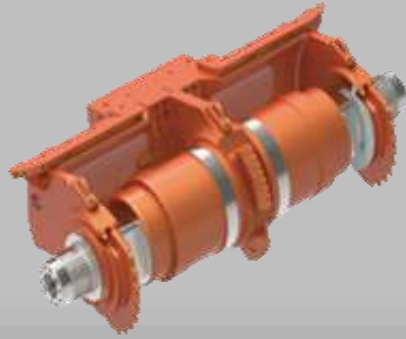
For high-speed trains
(100 - 160 km/h)



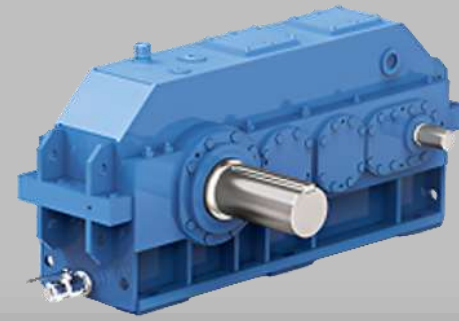
Industrial gearboxes are used in mechanical engineering, metallurgy, mining, construction, petrochemical, and food industries



Industrial planetary gearboxes MP



Gearboxes for mining equipment



Port lifting equipment



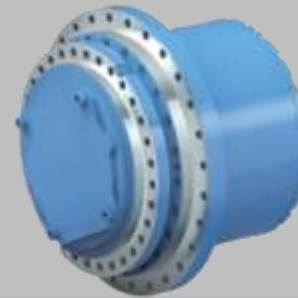
High-speed gearboxes



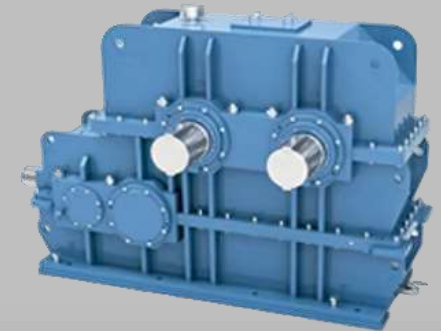
Gearboxes for furnaces in the power industry, for cement and slag



Gearboxes for rolling mills and smelting equipment



Rotary units, winch gearboxes



Gearboxes for rubber and plastics



Jiangsu Systems Technology has the ability to supply more than 2,500 modifications of non-standard equipment for the chemical, petrochemical, food and other industries: tanks and capacity, column and industrial equipment



**Spherical
tanks**

**Capacitive
equipment**

**Equipment for stamping
and forging**



Spherical tanks

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Spherical tanks are ideal for storing liquefied gas at high pressures (up to 2.0 MPa) and large volumes, as they can store from 600 m³ to 2000 m³ of gas. Spherical tanks are manufactured in accordance with the following state standards:

SP 43.13330.2012 "Industrial Plant Structures. SNiP 2.09.03-85"

SP 20.13330.2011 "Loads and Impacts. SNiP 2.01.07-85«

High- and ultra-high-pressure spherical tanks of various standards (GB (SAD), ASME, GOST, etc.), designs, materials, and thicknesses (12-120 mm), designed for complex technological processes and industries



Gas industry



Chemical industry



Oil refining industry



Petrochemical industry



Capacitive equipment

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The company has experience and capabilities in the design, calculation, selection, and installation of various tank equipment used in the supplied process units, installations, and assemblies

We also design, select, manufacture, and supply custom tank equipment as individual units according to technical specifications

Types of tank equipment: adsorption (mercury adsorbers), separation (separators, scrubbers), distillation, absorption (amine) columns, and other equipment for separating multicomponent mixtures for various industries



Gas industry



Nuclear energy



Chemical industry



Petrochemical sector

We offer safe, reliable equipment from the leading Chinese hydraulic press industry, as well as other **forging and stamping equipment**

Our products are widely used in the automotive, shipbuilding, aerospace, consumer electronics, household appliances, and non-metallic material forming industries

Large-scale equipment, including cold forming, forging, stamping, heat treatment, inspection and testing, and lifting equipment



High-speed
Forging hydraulic press



Radial
forging machine



Automated
production line



Hydro-rail
forging manipulator



Our completed projects

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Our projects are the result of the coordinated work of a team of professionals experienced in implementing large-scale projects. We adhere to three key principles:

Reliability

We guarantee fulfillment of obligations



Air coolers
for LNG production



Turbocharger
components

Quality

We ensure high-quality products and customer service



110 MW gas turbine unit as part of a
thermal power plant construction project



Gearboxes with a capacity of 480, 1000,
1512, and 1950 MW

Timeliness

We meet project deadlines



Amine purification columns for gas
processing complex



Components of the MS5002E 32 MW
Gas Turbine



Working with us provides you

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Reliable partnership

With the largest Chinese manufacturers and official representation of Lanzhou Lanshi Group Co. and Harbin Air Conditioning Co.



Financial guarantees

Fulfillment of contractual obligations despite existing restrictions and sanctions



Production Control

Over 50 specialists (specialized engineers, translators, and managers) oversee production directly at the factory, while regional offices in China allow for rapid response to changes



Equipment Certification

Qualified specialists ensure equipment certification in accordance with safety and quality requirements established by standards and regulations



Guaranteed Delivery

Our proven logistics routes allow for fast and reliable customs clearance and global delivery of goods



Service

Our in-house service department, staffed by certified specialists who meet Chinese manufacturer standards, provides service for the supplied equipment



Our partners

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Official representative in the Russian Federation of Chinese manufacturers
Lanzhou Lanshi Group Co., Ltd. and Harbin Air Condition, Ltd.

We also cooperate with the largest manufacturers in China: AECC Gas Turbine Co., Ltd.,
Harbin Guanghan Gas Turbine Co., Ltd., Nanjing High Speed & Accurate Gear (Group) Co., Ltd.





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Thank you for your attention!

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