



PRODUCT CATALOGUE

Focusing on serving chemical enterprises, we aim to become a one-stop service provider for environmental protection equipment and chemical equipment



河南圆方环保设备有限公司
HENAN YUANFANG ENVIRONMENTAL PROTECTION EQUIPMENT CO., LTD



Henan Yuanfang Environmental Protection Equipment Co., Ltd



河南圆方环保设备有限公司

HENAN YUANFANG ENVIRONMENTAL PROTECTION EQUIPMENT CO., LTD.

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Launching ceremony of strategic cooperation

02

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Launching ceremony of strategic cooperation

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OUR ADVANGE

Launching ceremony of strategic cooperation

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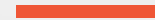


PART

01

COMPANY PROFILE

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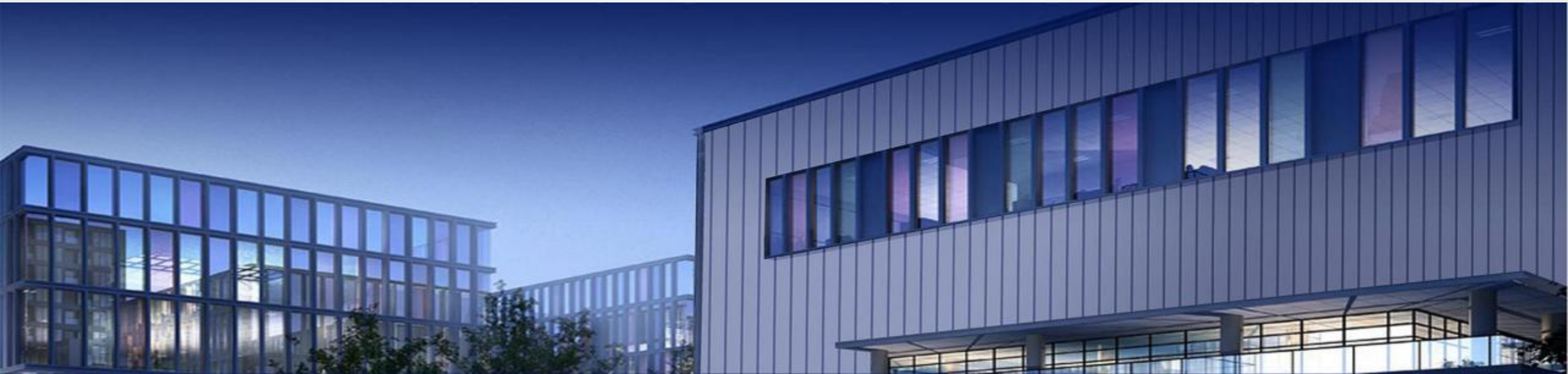


COMPANY PROFILE

Henan Yuanfang was established in 2000. It has deeply engaged in the chemical industry chain and constructed a trinity service system of "accessory supply - equipment manufacturing - environmental governance", and has now become a leader in full lifecycle services in the Chinese chemical industry field. The company's headquarters is located in Xinxiang, Henan. It holds shares in three subsidiary companies, namely Xinxiang Yuanfang Materials Co., Ltd., Henan Yuanfang Equipment Co., Ltd., and Yijie Environmental Technology Co., Ltd.

The materials company positions itself as an integrated service provider of chemical accessories, offering one-stop services for chemical accessories, which are efficient and convenient. The equipment company takes anti-corrosion technologies such as those for plastics, metals, and fiberglass reinforced plastics as its core, and manufactures high-quality equipment such as spray towers, activated carbon boxes, dust collectors, absorption towers, vacuum units, and storage tanks. Yijie Environment focuses on the treatment of industrial waste gas and provides overall solutions for design, construction, and maintenance.

The company has passed the ISO9001 international quality, environmental, and occupational health system certifications. It has secondary qualifications in electromechanics and environmental protection, and has obtained a number of national patents. It is recognized as a national high-tech enterprise.



CERTIFICATES & HONOR

Company introduction and corporate publicity



TECHICAL TEAM

Efficient and professional Technical Committee



The company has established a professional Technical Committee, which is mainly responsible for setting product technology standards, providing technical solutions, offering customer service, conducting technical training, applying for patents, engaging in product research and development and upgrading, product management, and establishing the R & D system. Currently, the company holds over 30 related patents. The project engineering covers industries such as fine chemicals, spraying, printing and packaging, new energy, electroplating, etc., providing customers with overall solutions that are economically investment - friendly, reasonable in operation and maintenance, environmentally compliant, and safe and reliable.。



Why You Can Trust Us?

Yuanfang has been a trusted Chemical accessories and environmental protection equipment manufacturer in China for over two decades. We guarantee to provide the best quality products and services to satisfy your requirements.



24 Years Experience

We have more than 24 years of experience in providing custom Chemical accessories and environmental protection equipment . Our expertise assures that we can provide the highest quality equipment.



Full Certification

As a professional manufacturer, we manufacture all products according to the international standards. We have obtained certifications from ISO9001:2015, GB/19001-2016, and more.



6,000+ Customers

Yuanfang is serving more than 6000 customers from all over the world.



10000+ Equipments

Yuanfang factory is equipped with a variety of specialized processing machinery and boasts comprehensive in-house testing facilities. With an annual production capacity of over ten thousands sets of large-scale equipment.



Excellent Services

Yuanfang has a professional service team, offer excellent one-stop services such as designs,production, installation, after-sales and more.



24/7 Online

Rest assured that our team is available 24/7 to answer your inquiries.

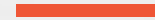


PART

02

PRODUCTS

RT0, T0, RCO/CO, scrubber towers (PP, FRP, stainless steel), heat exchanger series, carbon adsorbers, pickling tanks, storage tanks, mixing tanks, vacuum units, PP pipes, pipe fittings, fan series (PP fans, FRP fans, carbon steel, stainless steel), dust collectors, triple-effect evaporators, multi-effect evaporators, and integrated wastewater treatment equipment.



产品系列

Company introduction and corporate publicity



AIR POLLUTION
CONTROL



DUST
COLLECTOR



CHEMICAL
EQUIPMENT



PP SHEET



VALVE



PIPE





AIR POLLUTION CONTROL





WET SCRUBBER

Company introduction and corporate publicity



Horizontal scrubber

A horizontal scrubber tower is a dust removal equipment primarily composed of a support, spray system, and chamber. The chamber's cross-section forms an "L" shape with an air inlet and drain at the bottom, and a spray system and exhaust stack at the top. This equipment achieves dust removal and gas purification by washing the gas through its spray system.



Vertical scrubber

The vertical scrubber is a highly efficient air pollution control device. It features a vertical design with an inlet at the bottom for contaminated gases and an outlet at the top for clean air. Inside, a series of spray nozzles disperse liquid to scrub and neutralize pollutants, ensuring emissions comply with environmental standards.



Multi stage Air Scrubbing Systems

Multistage Air Scrubbing Systems: Designed for maximum contaminant capture and removal, these systems incorporate multiple stages with diverse scrubbing solutions to thoroughly clean the gas. They are particularly suitable for handling gas mixtures with multiple substances.

SCRUBBER FEATURES

The overall structural design of the absorption tower is reasonable, with a small footprint and easy installation and maintenance.



1. Efficient purification

99.9% particulate + collection efficiency in 1 to 2-micron range.

3. Easy to operate

The Wet scrubber adopts an automated control system that enables remote monitoring and adjustment, reducing operational difficulty and labor costs.

2. Strong corrosion resistance:

The equipment shell and internal components are made of corrosion-resistant materials, which can operate stably for a long time in harsh chemical environments.

4. Energy conservation and environmental protection

The equipment has low energy consumption during operation, and can recover useful components in some waste gases, realizing the recycling of resources.

SCRUBBER Materials



Our systems are designed for durability and exceptional performance. To ensure quality, we collaborate with accredited industry-leading suppliers who leverage their expertise and premium materials to engineer and manufacture our packed tower scrubber systems. Built with precision and a focus on safety, Yuanfang solutions utilize the following materials:



designed for durability
and exceptional
performance



collaborate with
accredited industry-
leading suppliers



Materials

CORE
TECHNOLOGY

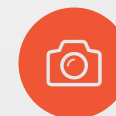
Titanium

Mild steel and stainless steel

Fiberglass reinforced plastic
(FRP) Polyethylene

Polypropylene

CPVC and PVC





SCRUBBER APPLICATION

The wet scrubber is a device that removes pollutants through the contact between liquid and gas. It can treat a wide variety of gases, including but not limited to the following categories



VOCs

Acidic

Alkaline gases

Soluble gases





SCRUBBER APPLICATION

The wet scrubber is a device that removes pollutants through the contact between liquid and gas. It can treat a wide variety of gases, including but not limited to the following categories



NO_x recovery and utilization



Alkaline gases



Particulate matter



Resin adsorption and desorption



Activated carbon adsorption scrubber



Company introduction and corporate publicity

Activated carbon adsorption **scrubber** is commonly used in gas adsorption, separation and purification, solvent recovery, sugar, grease, glycerin decolorant, drinking water or refrigerator deodorant, can also be used as a catalyst or metal salt catalyst.

Activated carbon adsorber can also be called activated carbon adsorption tower, activated carbon adsorption device, activated carbon waste gas treatment equipment, activated carbon filter, activated carbon equipment. Activated carbon adsorber is often applied to: all kinds of useful waste gas treatment, especially spray paint waste gas treatment, ink waste gas, solder waste gas, plastic waste gas treatment should be more extensive.



The activated carbon adsorption unit is installed in a layered drawer type in the equipment box, which can be very convenient to take out from the inspection doors on both sides



Check that the door is easy to open and tightly sealed. Can be opened separately and removed separately.



The base frame is made of channel steel. The stable base frame can protect the equipment required for installation and transportation.





Activated carbon adsorption APPLICATION

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Acidic gases

Alkaline gases

Particulate matter

Soluble gases



Regenerative incinerator (RTO)



RTO is widely used in various industries, effectively reducing environmental pollution and helping enterprises meet strict emission standards.

RTO (Regenerative Thermal Oxidizer) is a high - efficiency waste gas treatment device . It works by heating waste gas to a high temperature, usually around 800 - 950 ° C, in a combustion chamber . During this process, volatile organic compounds (VOCs) in the waste gas are oxidized into harmless carbon dioxide and water vapor .

RTO features high purification efficiency, often reaching over 95%, and low energy consumption due to its regenerative heat - exchange system . It is widely used in industries like chemical, printing, and coating, effectively reducing environmental pollution and helping enterprises meet strict emission standards .



High Purification Efficiency: RTO can achieve a purification efficiency often exceeding 95%, ensuring a high - level removal of harmful pollutants in waste gas.



Low Energy Consumption: advanced regenerative heat - exchange system, RTO significantly reduces energy consumption during operation, bringing cost - savings to enterprises.



Wide Applicability: It is suitable for a diverse range of industries, including chemical, printing, and coating. This wide applicability makes it a versatile solution for different waste gas treatment needs.





RTO APPLICATION

RTO is widely used in various industries, effectively reducing environmental pollution and helping enterprises meet strict emission standards.



Chemical industry

Pharmaceutical industry

Metallurgical industry

Textile and dyeing industry

Semiconductor industry





Catalytic combustion equipment (CO)

Catalytic Combustion Equipment is widely applied in industries such as chemical, pharmaceutical, and electronics manufacturing, playing a crucial role in environmental protection and helping enterprises to meet stringent emission requirements.

Catalytic Combustion Equipment is an innovative and efficient device for waste gas treatment. It operates based on the principle of catalytic oxidation. When waste gas containing volatile organic compounds (VOCs) enters the equipment, it first passes through a pre-heating zone to reach an appropriate reaction temperature. Then, under the action of a catalyst, the VOCs in the waste gas are oxidized at a relatively lower temperature compared to direct combustion.



High - Efficiency Purification: This equipment can achieve a high purification rate, generally reaching over 90%, effectively removing harmful substances in waste gas.



Low - Temperature Operation: Thanks to the catalyst, it can operate at a lower temperature, usually around 250 - 400° C. This not only reduces energy consumption but also extends the service life of the equipment components.



Fast Reaction Speed: The catalytic reaction enables a rapid decomposition of VOCs, improving the treatment efficiency and allowing for continuous and stable operation.





FAN

Company introduction and corporate publicity

Fan is the customary abbreviation of gas compression and gas transmission machinery, usually referred to as fans including ventilators, blowers, wind turbines. Gas compression and gas transport machinery is the rotation of mechanical energy into gas pressure energy and kinetic energy, and the gas transport out of the machinery. Fan is suitable for chemical, textile, electroplating, laboratory and other places containing a certain concentration of acid, alkali, salt and other corrosive gas, can also be used as a general factory building ventilation



The fan housing is reversible and rotatable discharge position by 45° increment for option. All fan is with 304 stainless steel mounting bolts and nuts.



100% copper wire motor, IP55, class F, single phase 220V/50Hz/60Hz, three phase 380V/50Hz/60Hz.



Backward curved impeller is after strict dynamic balance.





DUST COLLECTOR

Company introduction and corporate publicity

Dust collector is a common waste gas treatment equipment, primarily used for treating waste gases generated during industrial production processes. Its working principle involves filtering out particulate matter from the waste gas through cloth bags, thereby achieving the purpose of purifying the waste gas.



High-Efficiency Dust Removal: With a dust removal efficiency of over 99%, it ensures emissions meet standards.



Versatile Applications: Suitable for multiple industries, handling various waste gases and dusts.



Easy Maintenance: Designed with a reasonable structure for easy cleaning and maintenance.



Easy Maintenance: Designed with a reasonable structure for easy cleaning and maintenance.





DUST COLLECTOR

Company introduction and corporate publicity



脉冲布袋除尘器





CHEMICAL EQUIPMENT





CHEMICAL EQUIPMENT

We can provide design, production and processing of various equipment such as chemical tanks, tanks, pools and vacuum equipment. Tell us your needs, and we will tailor products for you



Vacuum tank



Storage tank



Vacuum system



Plating tank



Heat exchanger

Storage tank

Usage: It is used for storing refined chemicals such as acids, bases, alcohols, gases, and liquids.



Product Features:

1. Excellent anti-aging and UV resistance
2. Higher strength and stable chemical properties
3. Mature and advanced welding technology, with smooth, even, and aesthetically pleasing seams
4. Equipped with national standard flanges for reliable sealing and high versatility
5. Complete process interfaces, flexible customization options available per customer requirements
6. Advantages include corrosion resistance, long service life, lightweight, high strength, safe transportation, and easy maintenance.





Storage tank

Company introduction and corporate publicity



Vacuum tank



n Product Features:



- n The product features corrosion resistance and excellent physical-mechanical properties.
- n It boasts a rational structural design, comprehensive specifications, safe and reliable operation, cost-effectiveness, and long service life.
- n The plates are more generously proportioned, with reinforced cylinder and head interiors for higher strength.
- n The welding process is more scientific and optimized, ensuring superior sealing performance and higher vacuum levels.

Plating tank

Company introduction and corporate publicity



Vacuum pump system

Provide a stable vacuum environment



Yuanfang Environmental Vacuum Unit represents a new generation of energy-efficient vacuum equipment, specifically designed for industries such as chemicals, pharmaceuticals, and pesticides where recoverable vapors (e.g., solvents) require efficient recycling. While providing a stable vacuum environment, the unit integrates a highly efficient solvent recovery system, combining vacuum generation and resource recycling in a single solution. Its core components are constructed from high-quality PP/PPH materials, delivering exceptional corrosion resistance. This system serves as an ideal replacement for traditional high-energy-consumption and high-pollution vacuum setups, helping clients achieve compliance with emissions standards while reducing production costs and generating economic benefits.





Product Features:

1. High mechanical strength, strong corrosion resistance, high vacuum level, and stable operation.
2. Smooth surface and simple structure.
3. Compact size, low energy consumption, and high cost performance.
4. Large exhaust volume, high vacuum level, compact structure, and easy installation, use, and maintenance.
5. Can be equipped with coils to enhance performance.
6. The square box adopts bending technology, and the cylinder uses butt welding for stronger weld joints.
7. The interior of the box can be equipped with modified graphite cooling coils to reduce circulating water temperature and ensure stable operation of the equipment.





Vacuum system

Provide a stable vacuum environment



Heat exchanger

A energy-saving device that facilitates heat transfer between two or more fluids at different temperatures.



Products:

1. Modified graphite polypropylene heat exchanger
2. Spiral plate heat exchanger
3. Shell-and-tube heat exchanger
4. U-tube heat exchanger
5. Finned tube heat exchanger





Features:

- (1) Strong corrosion resistance, especially excellent resistance to corrosion by chloride ions and other halogen elements.
- (2) High temperature resistance, with a general operating temperature of up to 90°C.
- (3) Non-scaling, non-polluting to media, non-toxic, and suitable for use in the food industry.
- (4) Lightweight material, making equipment installation and maintenance extremely convenient.
- (5) Compact size, lightweight, and space-saving design.
- (6) Low cost and high cost-performance ratio.



Heat exchanger

improve energy efficiency





CHEMICAL Accessories





VALVE

PP/PPH/PVDF/PPS/FRPP/PPR/ABS

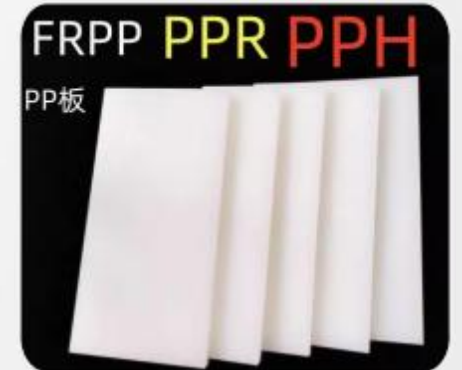


Our company offers a wide range of valves made from various materials and in different forms, including but not limited to copper, iron, stainless steel, and special alloys, with types such as ball valves, gate valves, globe valves, and check valves. These valves are widely used in multiple industries including industrial, construction, water conservancy, petrochemical, and more, catering to diverse fluid control needs of our clients. We are committed to providing high-quality, high-performance valve products to ensure the safe and reliable operation of our clients' systems.



SHEET

PP/PPH/PVDF/PPS/FRPP/PPR/ABS



Our company offers PP series plates, pipe fittings, bar materials, PVC series, nylon rod series, PE series, bakelite rods, ABSseries, epoxy resin series, silicone rubber plate, polyoxymethylene, asbestos board, rubber plate, PTFE lining series, polyPTFE series, enamel series pipe fittings, mixing, flanges, pumps, turnover boxes and other products



PIPE

PP/PPH/PVDF/PPS/FRPP/PPR/ABS



Our company offers PP series plates, pipe fittings, bar materials, PVC series, nylon rod series, PE series, bakelite rods, ABS series, epoxy resin series, silicone rubber plate, polyoxymethylene, asbestos board, rubber plate, PTFE lining series, polyPTFE series, enamel series pipe fittings, mixing, flanges, pumps, turnover boxes and other products

perforated steel strip composite pipeline

Antistatic, flame-retardant and heat-resistant three-in-one pipeline



The perforated steel strip composite pipeline is a new innovative product of materials. It mainly takes advantage of the corrosion resistance of plastic materials and the high strength of steel strips. Through extrusion and compounding, it becomes an industrial application pipeline with high ring stiffness, impact resistance, stress resistance and corrosion resistance, integrating steel and plastic. It has the ring steel strength of steel pipes, can be laid in the air, and also has the corrosion resistance of plastic pipes. It is an ideal choice for transporting media such as acids, alkalis and salts in industries like chemical engineering, metallurgy, iron and steel, and electric power. By adding anti-static and flame-retardant materials, it can be used as an explosion-proof special pipeline in the coal mine and hazardous chemicals industries. By adding PE-RT heat-resistant materials, it can replace steel pipes as heating pipelines.





round bar

PP/PPH/PVDF/PPS/FRPP/PPR/ABS

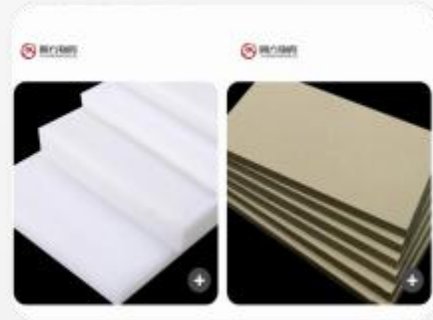


Our company offers PP series plates, pipe fittings, bar materials, PVC series, nylon rod series, PE series, bakelite rods, ABS series, epoxy resin series, silicone rubber plate, polyoxymethylene, asbestos board, rubber plate, PTFE lining series, polyPTFE series, enamel series pipe fittings, mixing, flanges, pumps, turnover boxes and other products



OTHER PRODUCTS

Company introduction and corporate publicity

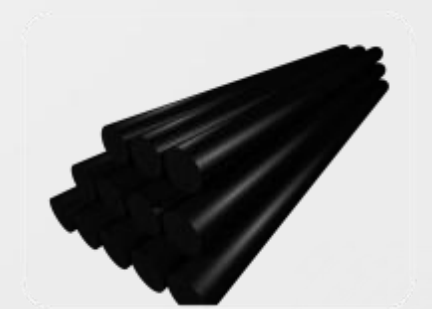


PIPE

SHEET

Glass product

STICK








OUR ADVANGE

Company introduction and corporate publicity



Create the ideal solution for your needs 

OEM quality standard guaranteed 

OEM quality standard guaranteed 

Flexible and convenient logistic service

Short-delivery time

after-sales 



