PRETTECH

PRETANK BROCHURE

Stainless Steel Tank
Solutions for Liquid
Processing



www.sinoprettech.com
www.prettechtank.com

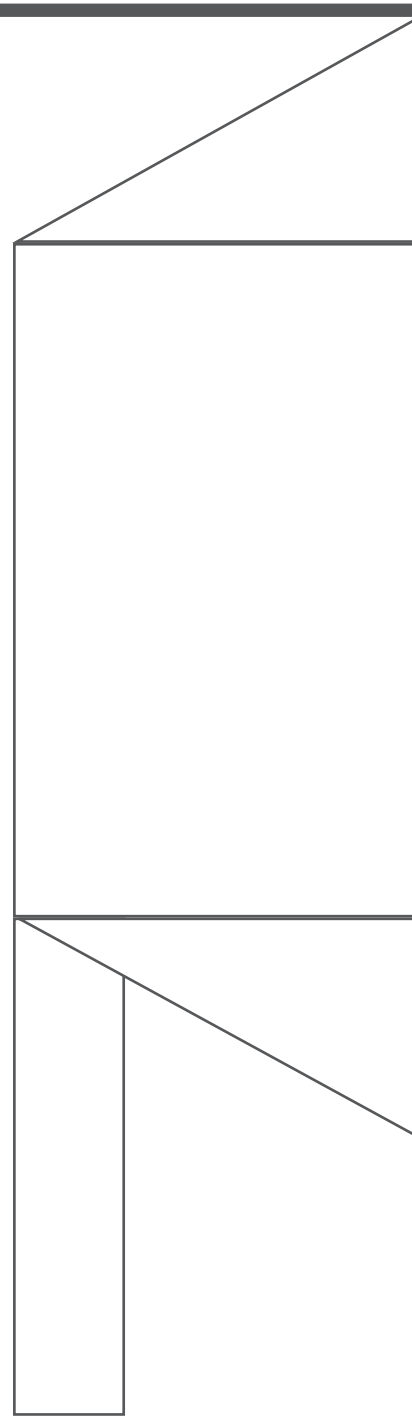
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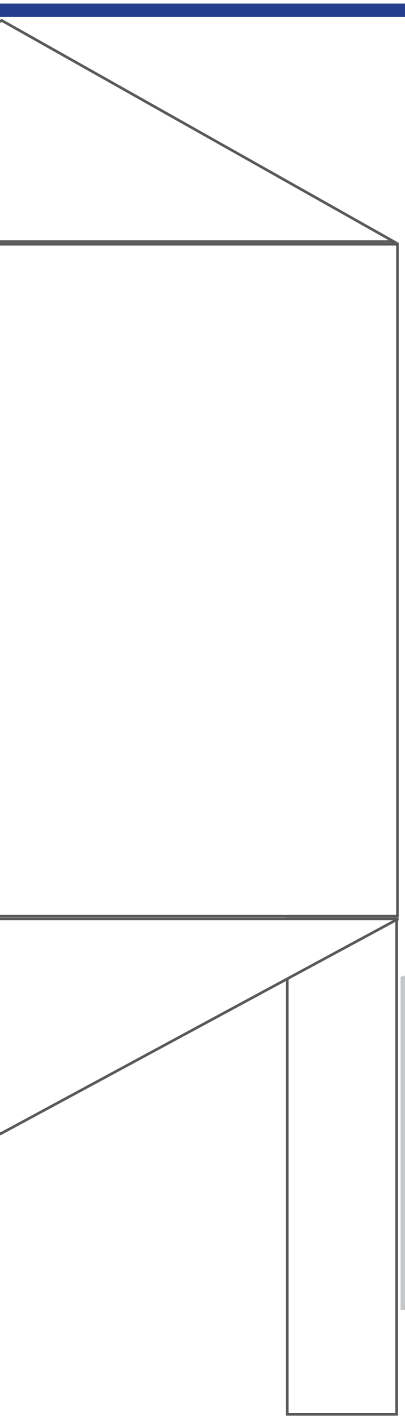
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PRETANK

History



1971

Named as Tai'an Light Industry Machinery Factory, a state-owned enterprise.



2001

Reform and recombine and named as Tai'an Prettech Machinery Co.,Ltd.



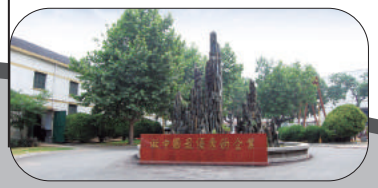
2019

Moved into new plant.



1994

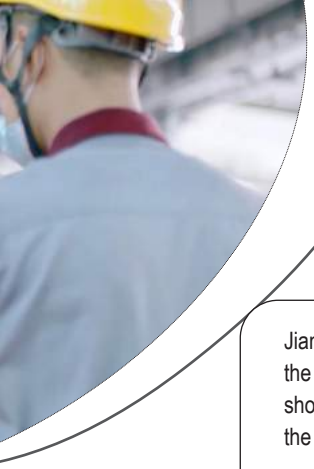
Combined by Taishan Group.



2012

Named as Prettech Machinery manufacturing Co.,Ltd,a joint-stock company and establish 4 branches and 1 export company "Jiangsu Prettech Machinery&Technology Co.,Ltd."(2022 year export company name change to Jiangsu Pretank Process, Co.Ltd)





Company Profile

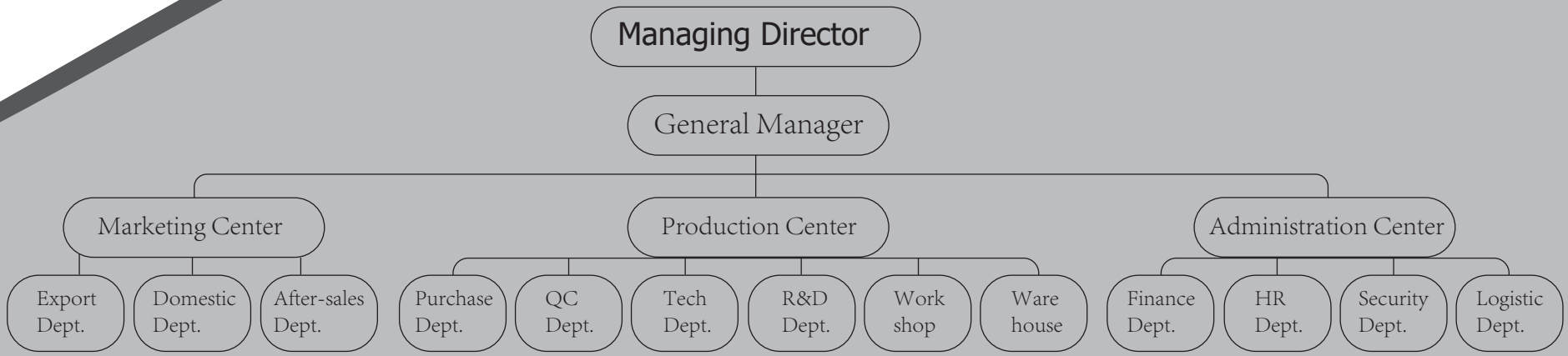
Jiangsu Pretank Process Co.,Ltd(called PRT below) has been in designing and fabricating sanitary stainless steel tanks since year 1971, we have the most advantage technology R& D capability in the industry. PDM, 3D and FEM are applied in design vessels according to standard of GB, API, UL, AS and NZS. Auto machines such as laser cutting and welding are used for improving quality and shorten construction period. All welders are certified, every PRT's tanks are tested and inspected strictly before delivery, all of such works make sure the tanks are made in first quality and delivered to the clients in perfect conditions.

PRT's heavy-duty made stainless steel vessels are used to solve liquid transferring, boiling, mashing, fermenting, storage, processing, mixing and distilling in following industries.

- Food& Beverage, including all kinds of juice(wine), liquor, spirits and other soft drinks.
- Chemicals& Daily chemicals (shampoo,soap,detergent).
- Agricultural product deep processing, such as com starch, isolated soy protein, flavorings.
- Pharmaceuticals and biological products.
- Environment protection, such as water treatment.
- Flavorings, such as vinegar, soy sauce.
- Low-pressure vessel, thermal oil, paper making equipment.
- Oil& Fats.

PRT have served more than 150,000 customers local and abroad, the sanitary stainless steel tanks are exported to over 100 countries of Asia, Europe, America and Africa. Our excellent product quality and services get most favorable praise and notices.

As a reputed and trusted enterprise, PRT group aim to offer more constructive solutions for fluid processing.



License

ISO9001, ISO22000, ISO45001, CE, PED, API650, AS1210, AS1692, CSA

200+ national patents

Class A1& Class D pressure vessel design&manufacturing qualification



Engaged in formulation of National Standard in designing, producing, inspection and transportation.



Strategy R&D Union

Orthwest Agricultural and Forestry University

Tsinghua University

Qilu University of Technology

China Agriculture University

China Fruit Search Institue

China Agricultural Machinery Equipment Research Institute

Workshop Corner

Strictly ISO9001 management.

Orderly storage of raw materials.

Clean and tidy workshop.

Advanced machinery and equipment.

Properly wearing and protected workers.

Excellent safety education system.









Processing Equipment

Laser Cutting and Welding Center



Laser Metal Cutting Machine



Laser Pipe Cutting Machine



Laser Welding Machine

CNC Cutting and Welding Center



CNC Sawing Machine



CNC Drilling Machine



CNC Lathe Machine

Intelligent Robot Equipment



CNC Sawing Machine



Welding Robot TA1800

PRT invest US$ 3 millon on morden processing machine which include laser cutting machine, laser automatic welding machine, laser tube cutting machine, precision CNC sawing machine, automatic pipe bending machine,robot welding machine, plasma cutting machine, precision leveling machine and other high-end equipment to ensure the quality of products, as well as improving the working efficiency to achieve the short lead time.





Chinese Baijiu Tank Farm

Sichuan Langjiu Co., Ltd Phase 1-22 Project

Total 500,000KL volume of stainless steel tanks for Chinese Baijiu for aging, storage and blending. Located in 600 meters high of hills. Pretank succeed in solving temperature cooling down through water dispensing on the top,transferring pipeworks from the foot of the hill onto the hill top,while guarantee safe controlling and anti-fire requirements.

Kweichow Moutai Group Phase 1-22 Project

Stainless steel tank farm for total 1,800,000KL volume of high ABV spritis storage,total 22 phases last 15 years, 300-staff of contruction teams work on site years.







Jiangsu Zhangjiagang Brewery Co., Ltd Phase 1-18 Project

18 phases of stainless steel thin-wall vessels fabricate on site,total 80,000KL of storage and fermenting capacity,replace of traditional ceremic vats, enlarge production ability and brand reputation.



Jiangsu Yanghe Brewery Joint-Stock Co., Ltd. Phase 1-19 Project

19 phases of stainless steel thin-wall vessels fabricate on site,total 180,000KL of storage capacity and onsite catwalk, stairs and pipeworks assembling.Realized batch automatic production



Shaoxing Wine Co., Ltd Phase 1-3 Project

20 sets of 52kl clarification tanks.
12 sets of 50kl wine storage tanks.
30 sets of 200kl wine storage tanks.
6 sets of 52kl wine storage tanks.
Walkway and stairs, escalators, spiral ladders, and process pipelines.

Wine Tank Farm

Changyu Winery in Yantai,Liaoning&Ningxia

Toral 1481 set tanks for fermentation, storage, blending purpose and the catwalk, stairs and pipeworks. Capacity ranges from1kl to
1200kl and allows 66,269t annual outlet.

Winery Tanks in Tasmania Australia

Storage Tank: 49 sets
Open Top Fermenter: 10 sets
Drainge, filter bin, catwalk and stairs,
pipelines







Winery in Marlborough New Zealand

Total 2,000KL volume capacity of wine tanks for fermenting and storage. Solving inspect the liquid inside tank from the top without walkway, and solve big tank transportation from China to NZ.



Multi-purpose Wine Tanks in Okanagan Canada

Heavy-duty constructed variable capacity tank (VCT) great quality of inflatble sealing, inspection oval door at side.



White Wine Tanks in Napa Valley US

Fermentation tanks and glycol double-way tanks for white wine in varied volume.

Brewery Equipment

Capacity 50L-50KL driven by steam or electricity, varied vessels combination for brewhouse.

Pressurized beer fermentation and bright tank,fitted with VPRV and safety valve, polished finish for easy cleaning.











Distillery Equipment

Some equipment to make Whisky, Vodka, Brandy, or all of them in one equipment, Column still, Pot Still and hybrid for your choice.

Spirits distilleries are made by stainless steel or red copper, driven by steam or electricy depending on production scale, very cost effective and compact.





Vinegar Making Equipment



Raw material



Juicing



Alcohol Fermenting



Blending



Acetic Acid Fermenting



Blending



Storage

Botanical Beverage Tank

Varied s.s. vessels used for exaction (leaching), condensening, filtering, mixing, sterilizing and filling, such as boiling kettle, condenser/tubular heat exchanger, filter, tea seperator, hot/cold tea buffer, s.s. tanks for buffering, heating, filtering, leaching,mixing and carbonation filling.



Decanting Tank



Filter& Soak Tank



Fermentation Tank



Boiling Tank

Juice Tank

Designs, manufactures and installs complete processing plants for the preparation of fruit pulp, juice, purifying water,condensening water, pectase and essense

Juice tanks are constructed by stainless steel AISI304 or 316L, sanitary made,equipped with CIP, valves and fittings, agitator as optional, all welds are grounded and acid washing,they are easy clean and aseptic.

Stainless steel tanks work well for juice liquid storage, mixing, or fitering.



Dairy Tank

Equipment for Dairy Farm，Dairy Station and Dairy Factory

- Cheese Ingredient Storage and Processing
- Cream Storage and Processing
- Raw Milk Receiving and Processing
- Whey Storage and Processing
- Yogurt Storage and Processing

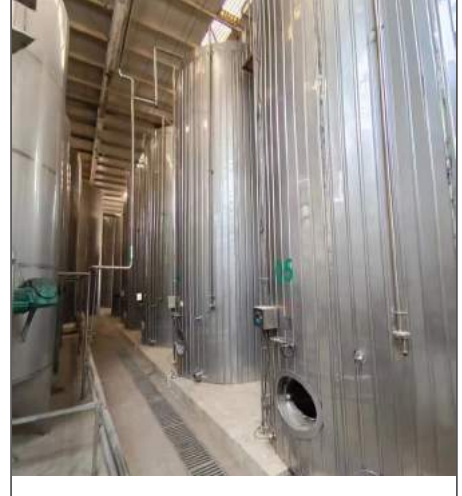
Horizontal Milk Cooler



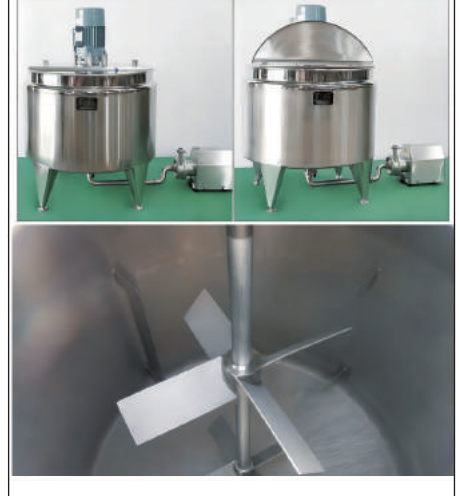
Vertical Milk Cooling Tank



Milk Silo



Cheese/Cream/Whey Mixing Tank



Oil Tank

Reliable Storage and Processing Solution for Oils&Tallow

Edible oils:soybean oil,corn oil,sun flower oil,canola oil,peanut oil,olive oil, palm oil,etc
Tallow: beef tallow,mutton tallow,pork tallow, chicken tallow,fish oil,etc

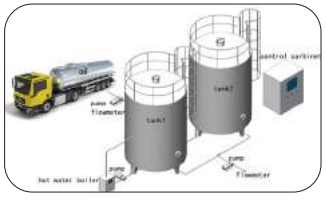
SS304 stainless steel is the basic material we use to ensure your food grade standard. SS316L as well as duplex will be choosed if the use environment is critical. We take all factors into consideration during design and manufacturing. For example, the breather valve is aseptic or fire-proofed, level sensor display to let you the oil left in the tank as well accurate weighing modular which tell you how much oil in and out from your tank.

We fabricate oil tanks in volumes from 1 m3 to 4000 m3, finished or semi-finished delivery.

Optional: heating and insulation to keep your oil in flow state for easy racking.

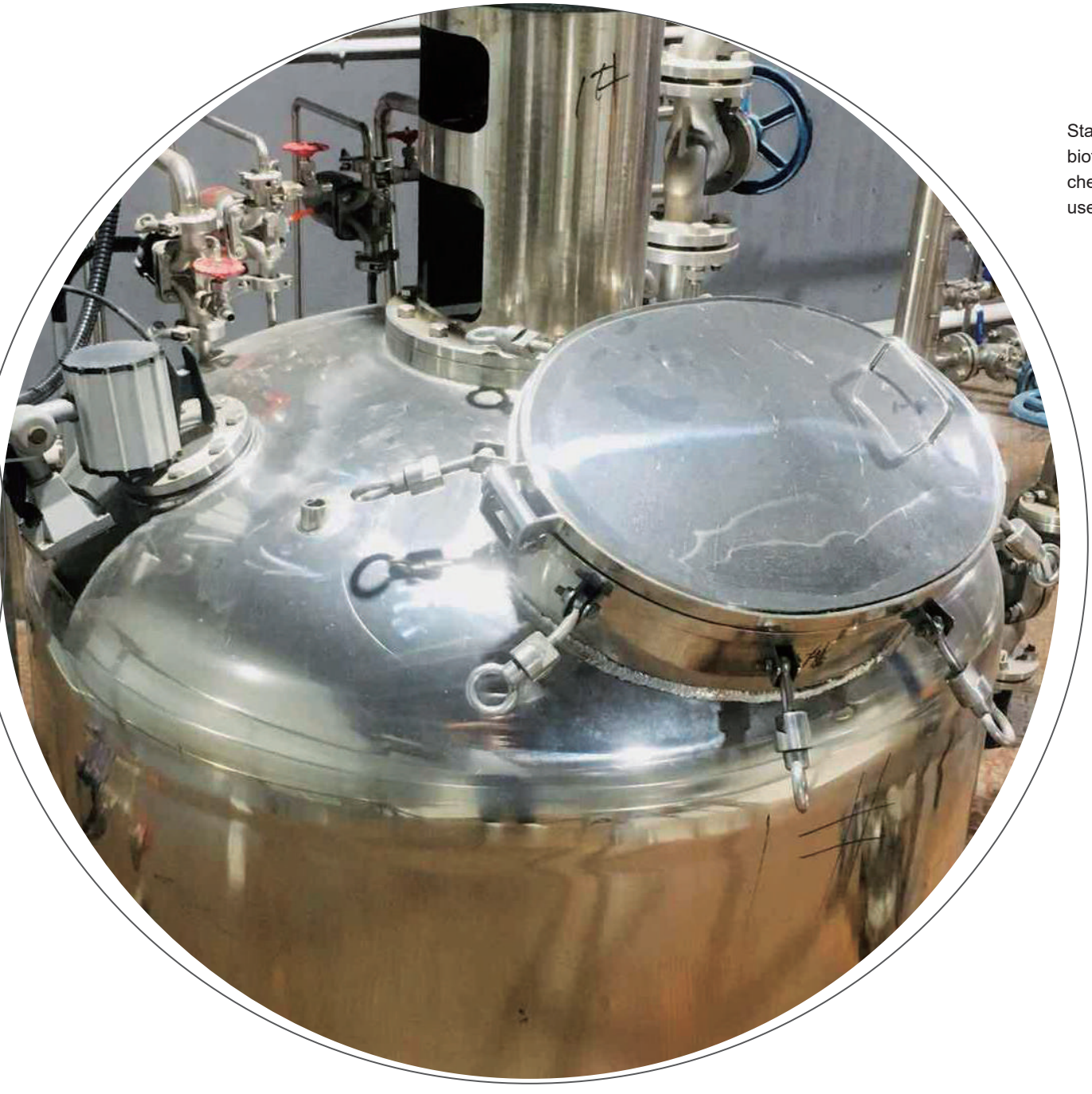








Biotech Tank



Stainless steel tank is uniquely suited for pharmaceutical and biotech. High-temperature resistance, paired with resistance to chemical corrosion and pitting, makes it practical and durable for uses that require frequent sanitation and low chemical reactivity.





Chemical Tank

PRT chemical tanks are designed and engineered to meet the demanding needs of many function including storage, mixing, dissolving, emulsifying and reaction. Chemical tanks/reactors are widely used in pigment, cosmetic, daily chemical, resin, painting, rubber, food beverage etc. industries.

These tanks are made from stainless steel 304, 316L or other material. All the tanks are available in horizontal and vertical, single-wall or double-wall construction. Additionally, a wide range of interior and exterior linings and coatings are available to meet your site-specific needs. Multiple exterior insulation and product heating systems are available to help maintain proper product operating temperatures.









Heat Exchanger

PRT Shell And Tube Heat Exchanger is design by SW6-2011 and PV Elite and all welds are completed by professional welders with special equipment welder certificate to ensure the integrity of pressure vessels, and can use strength expansion and stick expansion. this type heat exchanger is widely used in Oil refineries, HVAC, Marine, Food and other large chemical processes for evaporation, condensation, heating, cooling and heat recovery, and is suited for higher pressure applications.

All three types of Shell & Tube Heat Exchangers can be provided, including Fixed tubesheet type, U-tube type and Floating tubesheet type, in a variety of metals including Carbon Steel Q235B/Q345R, Stainless Steel 304/316, Nickel Alloy, titanium, Hastelloy alloy, graphite etc. The heat transfer area range from 25 ㎡ to 500 ㎡ .

We also supply plate heat exchanger and brazed plate heat exchanger, it can act as condensers, evaporators, oil or gas coolers and widely used in many different industries, such as heat pump system, chiller system, air conditioning process, refrigeration, data center cooling and residential heating.







Catwalk & Stairs & Ladders

Our industrial catwalk and stairs provide safe access to elevated and hard-to-reach areas. Whether your workers need to access valves or equipment, our catwalks will get them where they need to be. We can customize with
Grid steel platform
Square tube platform
Checkered plate flatform

The catwalk can be arranged at any height and position according to you layout with different support such as leg support to groud, angle support to wall, hang to the roof structure and so on.









Pipeworks







Site Construction

40 installation teams work for big-volume tank farm processing and production line.
Rich experience in field management and production.

















Auxilliary Products

Various auxilliiary productions can be supplied so you can have one stop purchase to save your time.



CIP



Chiller



Heating Boiler



Hose



Filter



Bag Filter



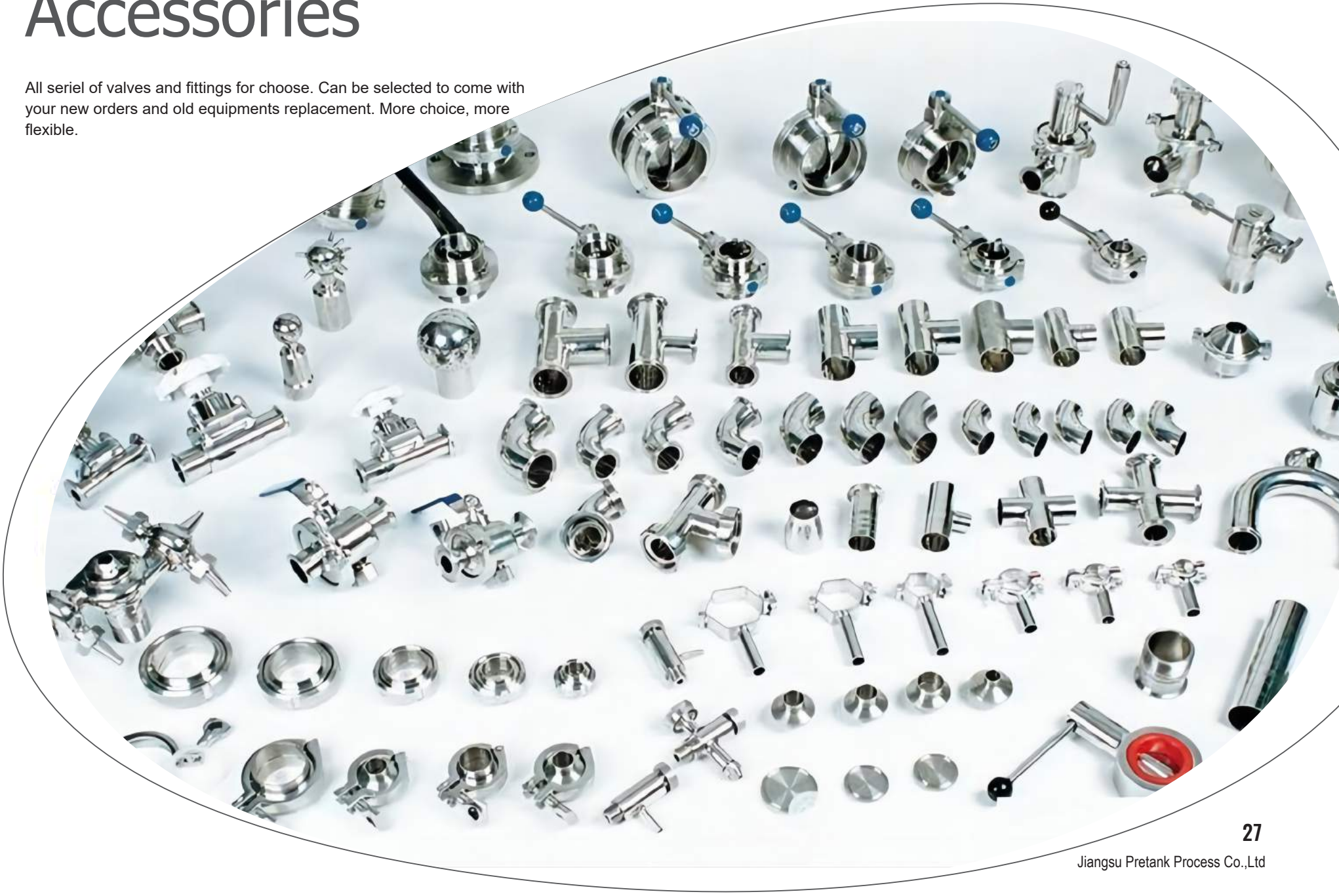
Keg 20-50L



Pump

Accessories

All seriel of valves and fittings for choose. Can be selected to come with your new orders and old equipments replacement. More choice, more flexible.



Processing-Punching & Stamping

Advanced laser & CNC machines to make sure:

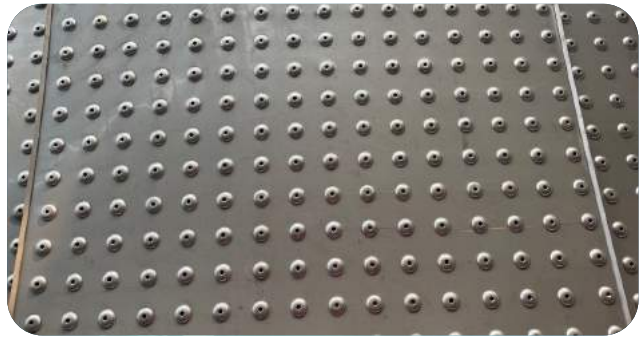
- Fast cutting without burs
- Accurate positioning
- Higher efficient
- Fewer human errors

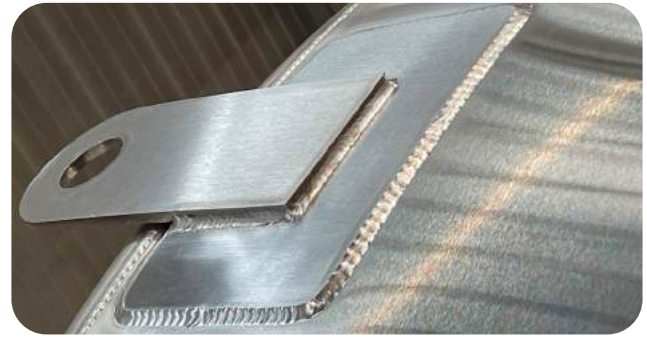




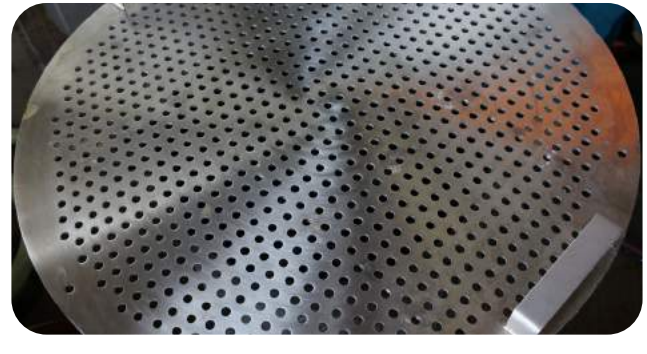












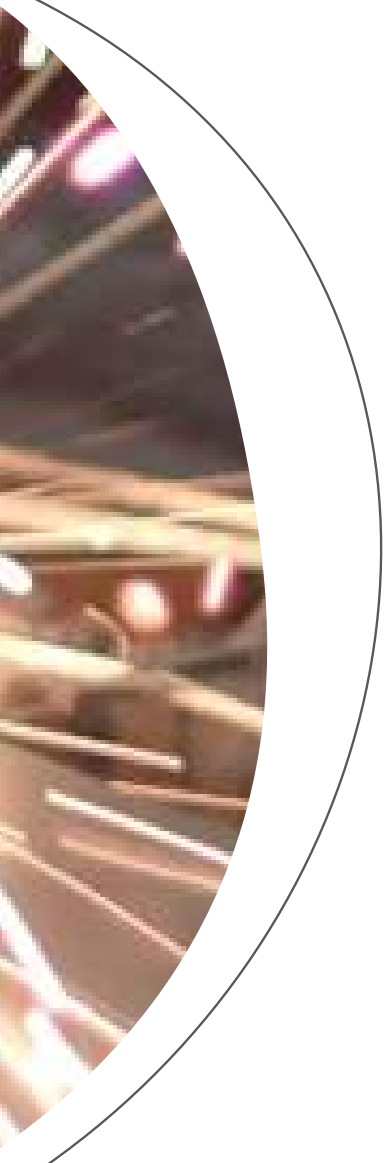
Processing-Welding

Automatic welding and manual welding adopted and 90% are automatic welding.

All welders are qualified and certified.







Processing-Finish

PRT supply an attractive finish which enhance the appeal of your tanks.



2B Finish



Mirror Finish



Patterned Finish



Brushed Finish

Processing-Heating/ Cooling Jacket

More choices to meet different industries

- Laser dimple jacket
- Laser corrugated jacket
- Coil
- Half coil
- Heat exchanger

















Processing-Insulation

Rockwool & Polyurethane as insulation material, stainless steel&aluminium as cladding.
Welding & riveting optional.







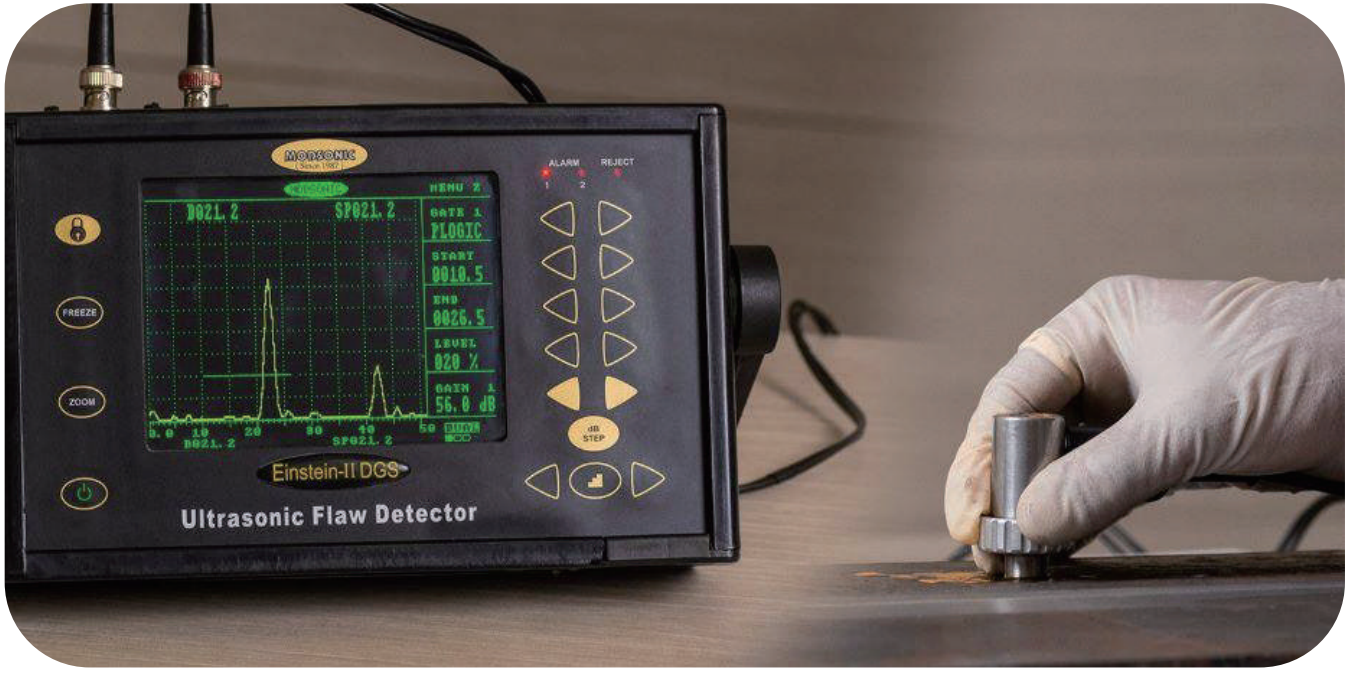




Test & Inspection

- Static pressure test on tank body and jacket
- Dye penetration test on welding
- X-ray testing
- Ultrasonic testing
- Magnetic particle inspection











Packing & Shipping



- Seaworthy packaging&reforcement to minimize damages during shipping&transportation.
- Delivery to customer's door, and self-loading truck service available if necessary.
- Varied container types are optimized including general container and flat rack.

Convenient logistics

- Door to door delivery saves time&energy for clients.
- Optimized container proposals save client's shipping freight.
- Safe seaworthy package and loading guarantee non-destroyed parts during shipping is promised.











After-sale Service

- Equipment Commission
- Regular Visit
- Engineering Install
- Technical Training
- Regular Equipment Maintenance
- Door-to-Door Services
- 7*24H phone/mail/video guide&revert



☆ We supply 1 year guarantee time.
☆ After 1 year, we only charge cost price for accessories.



Customer References

PRETANK serves over 150,000 customers in China, involving in several industries,such as food& beverage, dairy, biochemicals, pharmacies, paper making, flavouring, especially for wine, beer, juice, edible oil,etc.

Tank specifications are customized according to customers' requirements, space restrictions, with/ without insulation or cooling jacket, agitator on the top or mounted at side,conical/dish/elliptical top& bottom, supported by legs or concrete basement,etc.

We have kept perfect relationship with some worldwide companies such as Hennessy, Changyu, Inbev, Bucher Unipektin, TMCI padovan.

PRETTECH

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