华商机械
HUASHANG

果蔬加工生产线成套设备
COMPLETE SET OF EQUIPMENT FOR FRUIT AND VEGETABLE PROCESSING PRODUCTION LINE

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华商机械
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企业简介
COMPANY PROFILE

华商机械创建于2014年。超过12年的不断积累，
我们的业务范围遍及食品、饮料、日化及个人护理行业、精细化工、制药行业、
新能源电子半导体、新能源锂电反应釜等行业，并致力于制造、安装、自控、验证及服务于一体的整体解决方案。

为客户提供最具挑战和核心价值的工艺罐体及工艺模块系统解决方案。
华商始终坚持以稳定的产品质量，严谨的工程设计和完善的用户服务，赢得客户的长期信赖，助力全球客户实现高效生产与持续发展。

Huashang Machinery was founded in 2014.
More than 12 years of continuous accumulation, Our business scope covers industries such as food, beverage, daily chemicals and personal care, fine chemicals, pharmaceutical industry, new energy electronics and semiconductors, and new energy lithium battery reactors, and is committed to providing an integrated solution that combines manufacturing, installation, automation control, validation and service.

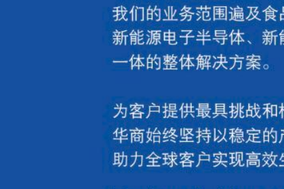
We offer the most challenging and core value process tank and process module system solutions for our customers. Huashang has always adhered to maintaining stable product quality,rigorous engineering design and comprehensive user service, Huashang has always won the long-term trust of customers and helped global customers achieve efficient production and sustainable development.
We warmly welcome your inquiries and we will do our best to build an ideal factory for you!

企业愿景
CORPORATE VISION
成为全球领先的工艺罐体及工艺模块系统解决提供商!
Become a leading global provider of process tanks and process module system solutions.

企业使命
ENTERPRISE MISSION
匠造健康未来，智领行业标准。
Crafting a healthy future, leading industry standards.

企业精神
ENTREPRENEURIAL SPIRIT
匠心、创新、责任。
Craftsmanship, Innovation, Responsibility.

核心价值观
CORE VALUES
效率成就品牌，诚信铸就未来！
Efficiency builds brands; integrity shapes the future!



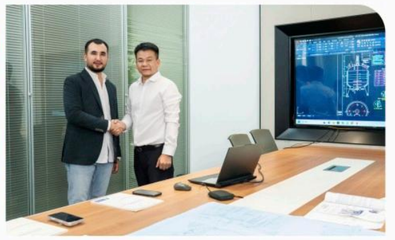
你有需求，
我们就有解决方案
YOU HAVE NEEDS, WE HAVE THE SOLUTION

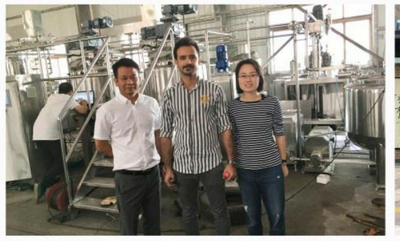
- 食品饮料 Food and beverage
- 果蔬加工 Fruit and vegetable processing
- 乳制品 Dairy products
- 日化液洗 Daily chemical wash

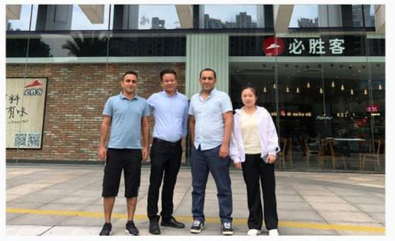
团队管理
TEAM MANAGEMENT

科学优化的组织机构是企业运作的良好基础。在长期的磨合与实践过程中，我们铸就了一支优秀的设计、研发、经营销售的管理团队。完善的创新制度结构，高效、严谨的运行机制，是良好的管理决策和稳健的业务发展的坚实基础。

A scientifically optimized organizational structure is a good foundation for enterprise operations. In the long-term running-in and practice process, we have created an excellent management team in design, R&D, operation and sales. A complete innovation system structure and an efficient and rigorous operating mechanism are the solid foundation for good management decisions and steady business development.







合作与客户
COOPERATION & CUSTOMER

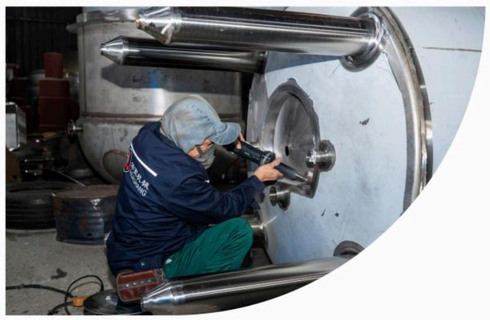
以客户需求为中心，以客户满意为标准，为我们的客户提供优质的服务。我们供应完美品质的同时，整合全球服务网络，提供全方位的售前、售中、售后服务，无论何时何地，我们将尽一切可能满足您的需求。

Customer demand as the center, customer satisfaction as the standard, to provide our customers with quality service. We supply perfect quality at the same time, integrated global service network, to provide a full range of pre-sale, sale, after-sales service, no matter when and where, we will do everything possible to meet your needs.

生产装备
PRODUCTION EQUIPMENT

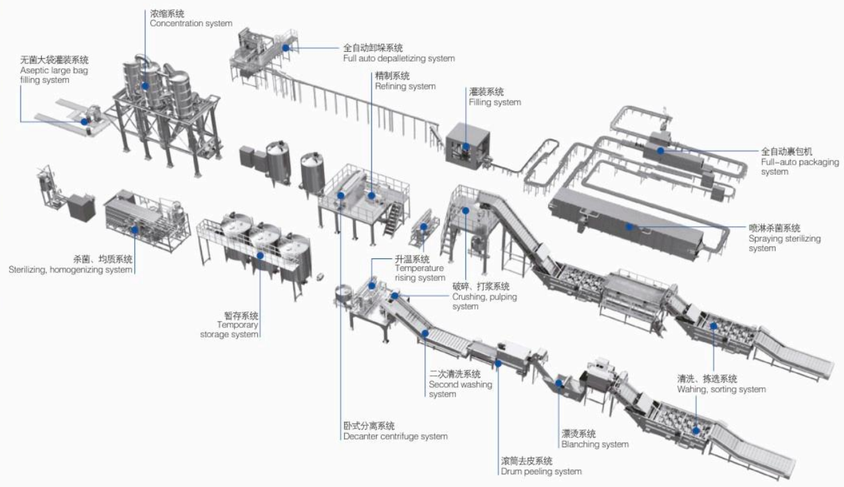
生产工具是生产力发展水平的标志，
先进的生产设备代表了先进的生产力。公司积极引进
先进的技术和生产设备，使产品内在品质与外在个性化紧密
结合，完全满足并引领工业现代化的需求。

Production tools are an important sign of productivity level.
Sophisticated production facilities represent advanced
productivity. By introducing superior technology and production facilities
continuously, Company perfectly integrates the internal quality of
products and the external individual designs to cater for the
requirements of industrial modernization.

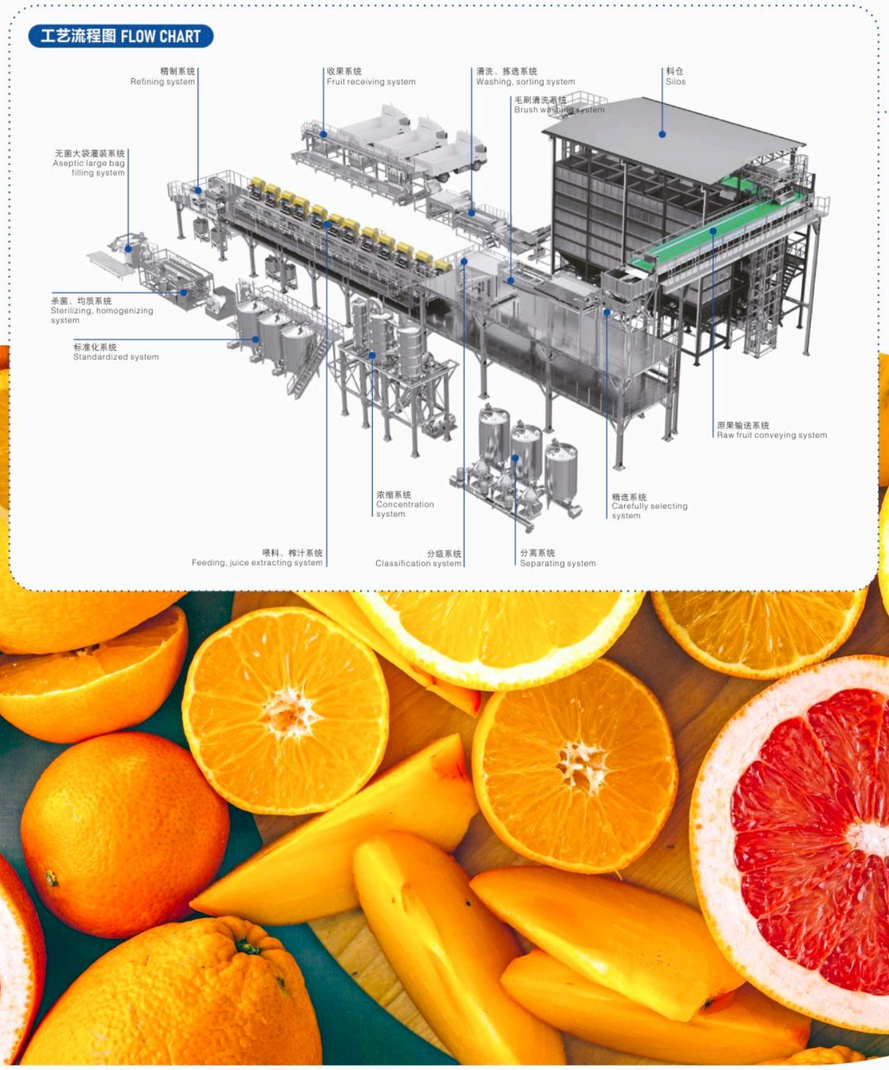


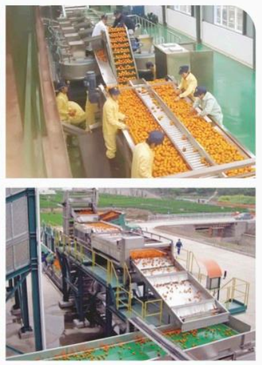
番茄/胡萝卜/枸杞/沙棘类蔬菜加工生产线
TOMATO, CARROT ETC, VEGETABLE PROCESSING LINE

工艺流程图 FLOW CHART



柑橘类水果加工生产线
CITRUS FRUIT PROCESSING LINE





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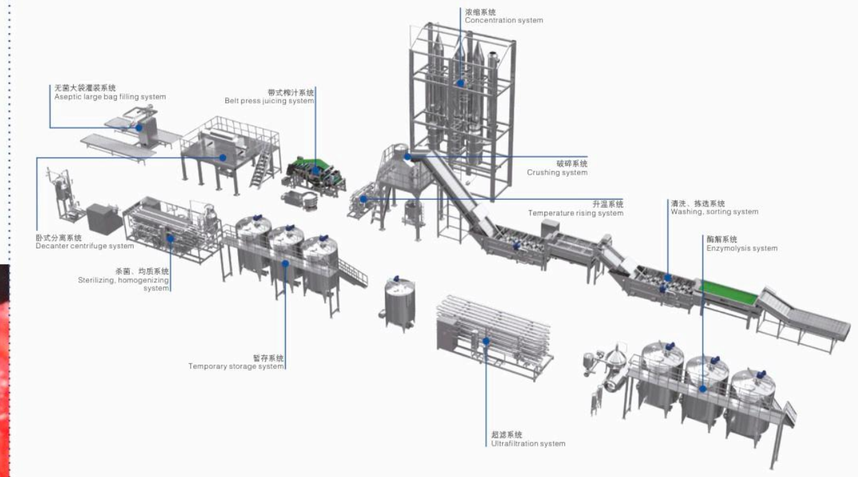
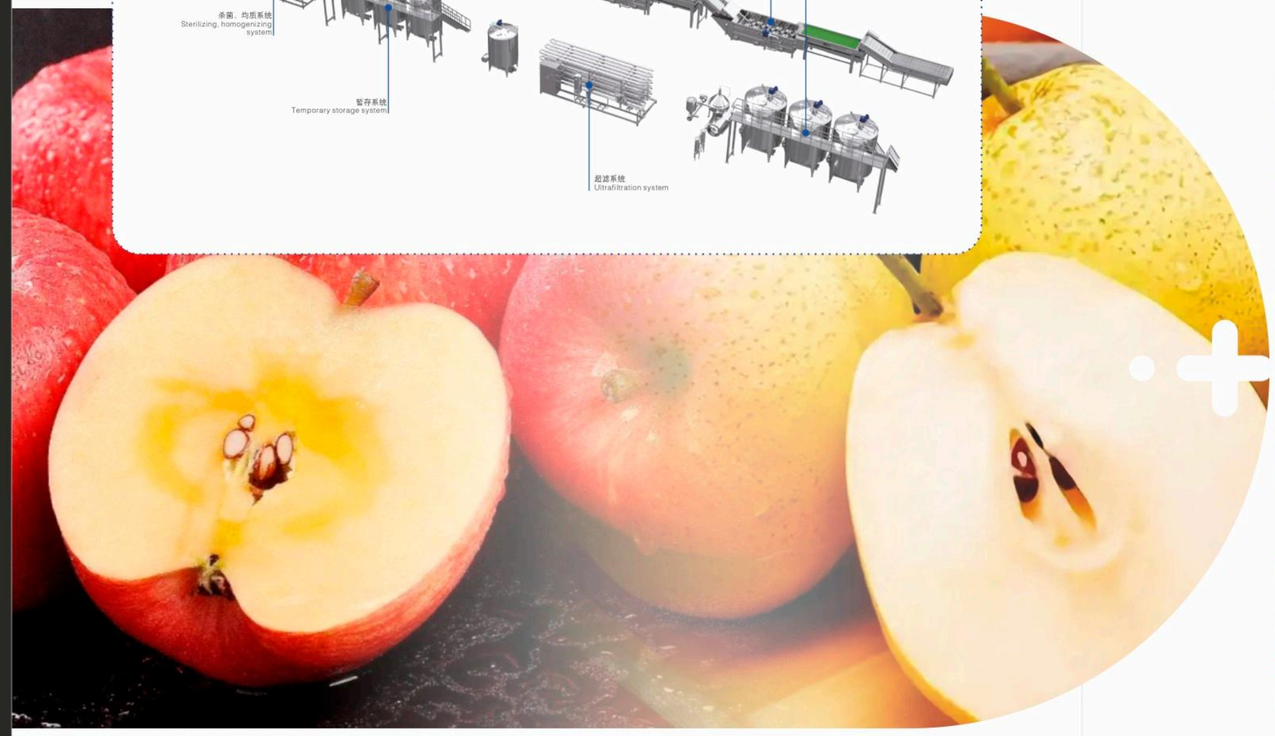
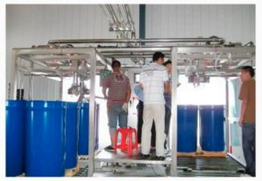
苹果/梨类水果加工生产线
APPLE / PEAR FRUIT PROCESSING LINE

工艺流程图 FLOW CHART

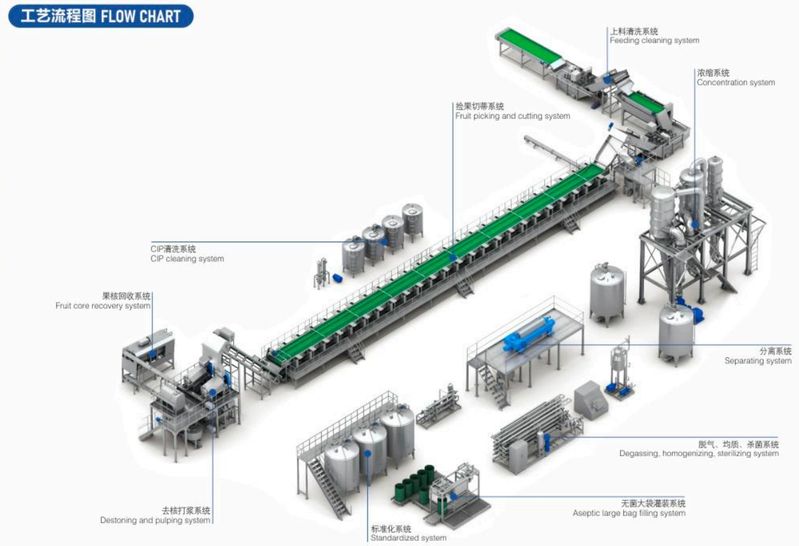


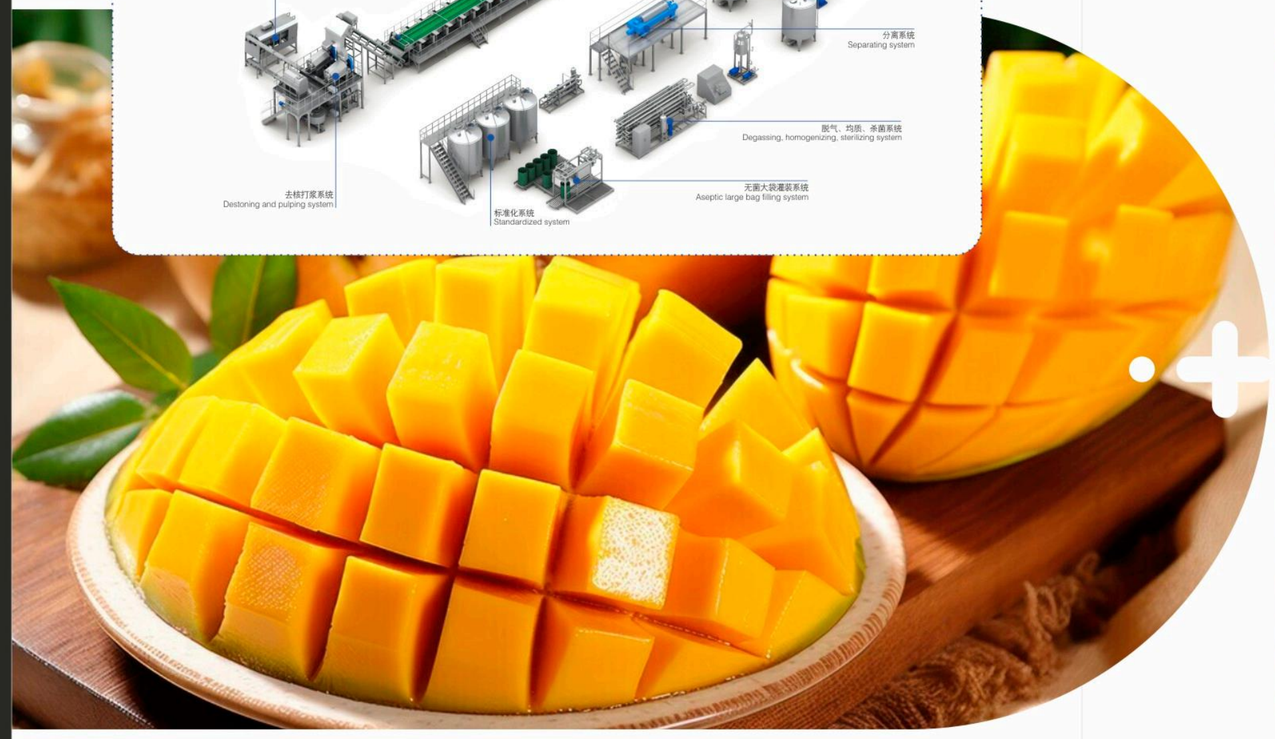




芒果加工生产线
MANGO FRUIT PROCESSING LINE

工艺流程图 FLOW CHART





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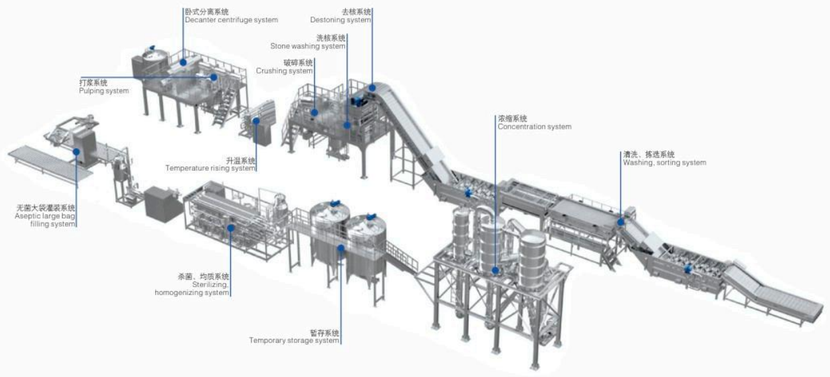
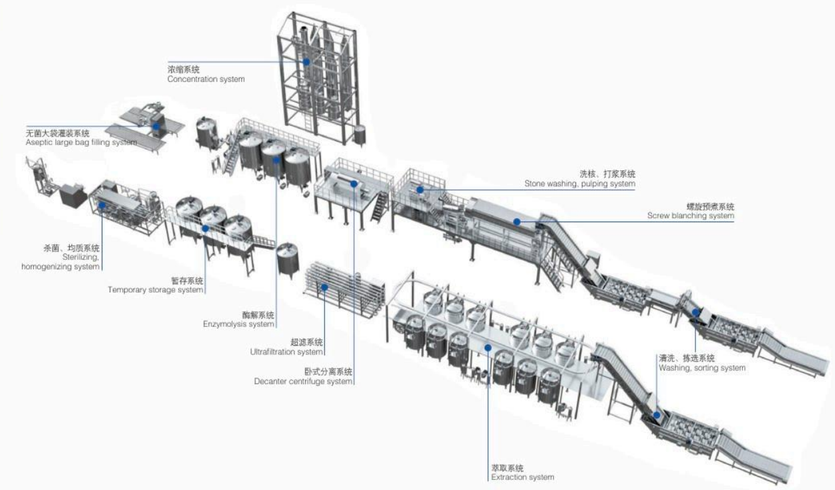
桃/杏/李子类水果加工生产线
PEACH / APRICOT / PLUM FRUIT PROCESSING LINE

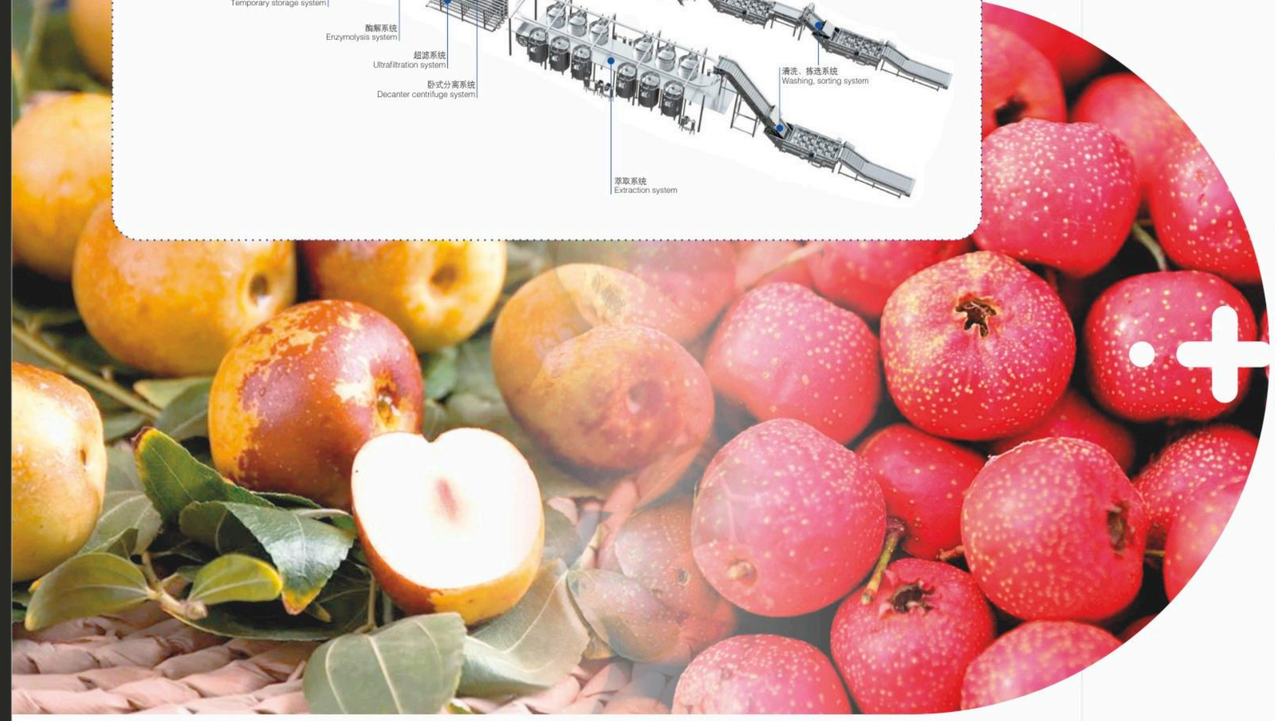
工艺流程图 FLOW CHART



枣/山楂类水果加工生产线
DATE, JUJUBE, HAWTHORN FRUIT PROCESSING LINE

工艺流程图 FLOW CHART





搅拌罐
MIXING TANK

搅拌罐严格遵循《药品生产质量管理规范》GMP总则(2010年修订)第三十一、三十二条要求，并按《压力容器》(GB150–2011)、《钢制焊接常压容器(附标准释义)》(NB/T 47003.1–2009)要求进行设计、制造及验收。

搅拌罐一般是立式混料罐，主要是通过配料罐的搅拌操作将物料混合达到工艺生产的要求。

搅拌罐采用立式圆罐体，罐体可设有夹套、盘管、保温(可加热、冷却、保温)；不锈钢的材质采用316L或304制作，内壁采用电解镜面抛光或机械抛光，外壁采用304全焊接保温结构，外表面采用镜面或亚光处理；各进出管口工艺开孔与内罐体焊接处均采用翻边工艺圆弧过渡，光滑易清洗，且无死角，外表美观。

Mixing Tank is designed, manufactured and inspected in accordance with the pressure vessel standard (GB150–2011) and the steel welded atmospheric pressure vessel standard (NB/T 47003.1–2009), strictly meeting GMP certificate requirements.

The Mixing tank is a vertical tank in which the agitator mixes the material to meet to the technical standard.

The mixing tank adopts vertical circular tanks, both of top and bottom are standard oval and torispherical head. Transition section in tank uses circular arc transition, without dead corner, easy to clean. Single layer, double layer(insulation for tank and bottom head) or Jacket(tank and bottom head have jacket and insulation) is equipped with mechanical stirring according to customers' requirement.

产品特色

- 容积有100L～5000L等多种规格，可根据客户实际需求进行设计、制造。
- 接口采用快装卡盘式(卡接)，罐体内胆选用304或316L，内表面镜面抛光Ra≤0.28μm～0.6μm，外表面可根据客户要求进行抛光、拉丝、喷砂等。
- 根据生产及工艺的要求，可设计有加热、冷却、低高速搅拌系统，密封承压系统，真空系统，计量系统等。
- 针对不同的搅拌物料及要求达到的搅拌效果对搅拌桨的结构可以调整设计涡轮式、桨式、锚式、框式、螺带式等等。

FEATURE

- Volume:100L~5000L and multiple specification, also can design and manufacture according to customers' requirement.
- The connection adopts Tri–clamp, and the tanks' inner layer use 304 or 316L. The inner surface mirror polishing Ra≤ 0.28μm～0.6μm. Outer surface can be polished, wire drawn and sand blasted according to customers' requirement.
- According to the requirements of production and processing, it can be designed with low heating, cooling, high–speed mixing system, sealing pressure system, vacuum system, measuring system and so on.
- According to different mixing materials and requirements to the mixing effect, the structure of impeller can be the turbine type, paddle, anchor type, frame type, screw conveyor and so on.

典型的应用

可作储液罐、混料罐、暂存罐、调配罐等，用于中药、食品、果汁饮料、乳制品、佐料、酿造、啤酒、制药、化工及生物工程等行业的液体物料搅拌贮存。

APPLICATION

Can be used as Storage Tank, mixing tank, temporary Storage Tank, mixing tank, etc., Used in liquid materials' mixing and storage such as medicine, food, fruit juice beverage, dairy products, seasoning, brewing, beer, pharmaceutical, chemical and biological engineering.

华商机械 HUASHANG

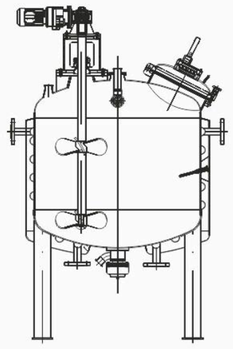
罐体可选配置

搅拌罐的罐体可选配置无菌空气过滤器、温度计(数显式或表盘式)、PH计、压力表、蒸汽灭菌口、视镜、卫生级人孔、进出液孔、CIP万向旋转清洗球、液位计及液位自控系统(承重模块、无触点超声波、静压变送式器)等，或根据客户要求进行配置。

TANK OPTIONAL CONFIGURATION

Mixing tank can configure aseptic air filter, thermometer(Digital display or Dial type), PH meter, pressure gauge, steam sterilization hole, sight glasses, sanitary manhole, liquid in–outlet, CIP cleaning ball, liquidometer and Liquid level control system(Bearing module, non–contact ultrasonic, static pressure transmitting device) and so on, also can be configured as customers' requirement.

常规结构 STRUCTURE



常规设计参数 DESIGN PARAMETER

设计压力 Design pressure	罐体按客户要求(–0.1MPa～1.0MPa) 夹套按客户要求(ATM～0.5MPa)
设计温度 Design temperature	罐体、夹套按客户要求(0℃～160℃)

连接 CONNECTION

进出口 In–outlet	快装卡接、法兰、螺纹 Tri–clamp, Flange, Thread

材料 MATERIAL

内胆 Inner shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
夹套 Jacket	304
保温层 Insulation	岩棉或聚氨酯 Rock wool or PU
支腿等 Legs	304

表面处理 SURFACE FINISH

处理类型 Finish type	机械抛光、电解抛光、喷砂、酸洗 Mechanical/electrolytic polishing, sand blasting, pickling
抛光精度 Polishing precision	内壁0.4μm, 外壁0.6μm Inner surface Ra≤ 0.4μm, Outside surface Ra≤ 0.6μm

配液罐常规型号及主要技术参数 NORMAL MODEL AND MAIN TECHNICAL PARAMETERS

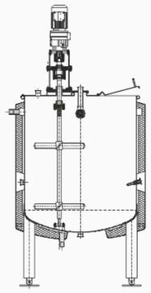
参数 Parameters / 型号 Model		HSRPG–100	HSRPG–300	HSRPG–600	HSRPG–1000	HSRPG–2000
有效容积 Effective volume (L)		100	300	600	600	2000
罐体 Tank	直径 Diameter (mm)	Φ500	Φ800	Φ900	Φ1100	Φ1300
	高度 Height (mm)	500	700	900	1000	1500
搅拌 Mixing	电机功率 Power (kW)	0.37	0.75	1.1	1.5	2.2
	搅拌工作转速 RPM (r/min)	36～53(倾叶开启涡轮式)或200(推进式)(可根据客户使用情况进行调整设计) 36～53(Special open turbine impellers)/200(propeller)(Can adjust the design according to the customer's usage)				

参数 Parameters / 型号 Model		HSRPG–3000	HSRPG–4000	HSRPG–5000	HSRPG–8000	HSRPG–10000
有效容积 Effective volume (L)		3000	4000	5000	8000	10000
罐体 Tank	直径 Diameter (mm)	Φ1800	Φ1700	Φ1800	Φ2000	Φ2200
	高度 Height (mm)	1800	1800	1800	2000	2400
搅拌 Mixing	电机功率 Power (kW)	3	4	5	7.5	9.2
	搅拌工作转速 RPM (r/min)	36～53(倾叶开启涡轮式)或200(推进式)(可根据客户使用情况进行调整设计) 36～53(Special open turbine impellers)/200(propeller)(Can adjust the design according to the customer's usage)				

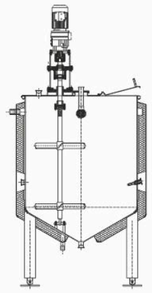
上表数据为标准型，仅供参考，可根据客户要求定制。The above–mentioned data is the standard, it can customize according to customer's requirements.

搅拌罐
MIXING TANK

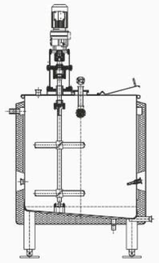
搅拌罐常规结构 MIXING TANK STRUCTION



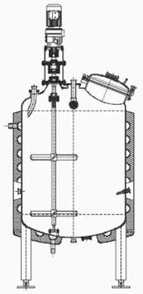
上立式碟形底搅拌储罐(夹套)
Vertical type mixing Storage Tank–Dish Bottom (jacket type)



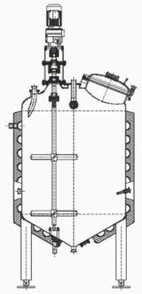
上立式锥底搅拌储罐(夹套)
Vertical type mixing Storage Tank–Conical Bottom (jacket type)



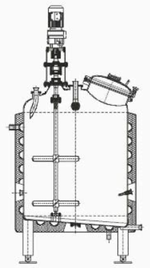
上立式平斜底搅拌储罐(夹套)
Vertical type mixing Storage Tank–Tilting Bottom (jacket type)



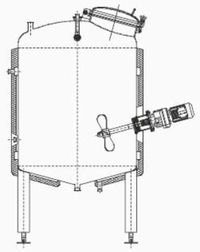
碟形底搅拌储罐(夹套)
Vertical type mixing Storage Tank–Dish Bottom (Jacket type)



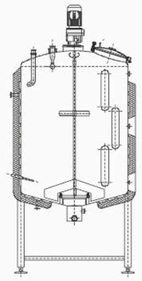
锥底搅拌储罐(夹套)
Vertical type mixing Storage Tank–Conical Bottom (jacket type)



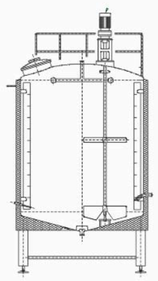
平斜底搅拌储罐(夹套)
Vertical type mixing Storage Tank–Tilting Bottom (jacket type)



锥底侧搅拌储罐(夹套)
Conical Bottom Agitator Storage Tankv (Jacket type)



带视窗锥底搅拌储罐(夹套)
Conical Bottom Agitator Storage Tank with window (Jacket type)



带挡流板锥底搅拌储罐(夹套)
Conical Bottom Agitator Storage Tank with baffle (Jacket type)

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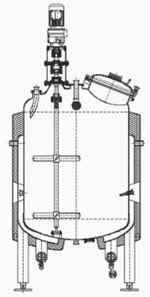
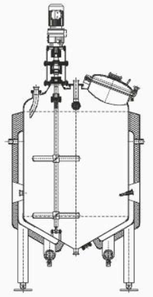
HUASHANG

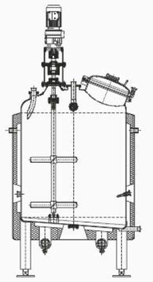
电加热搅拌罐常规结构 ELECTRICAL HEAT MIXING TANK STRUCTION



电加热碟形底搅拌储罐(夹套)
Electric heating Vertical Type Storage Tank –Dish Bottom (Jacket type)



电加热锥底搅拌储罐(夹套)
Electric heating Vertical Type Storage Tank –Conical Bottom (Jacket type)



电加热平斜底搅拌储罐(夹套)
Electric heating Vertical Type Storage Tank –Tilting Bottom (Jacket type)

常规设计参数 DESIGN PARAMETER

设计压力 Design pressure	罐体按客户要求(ATM～1.0MPa) 夹套按客户要求(ATM～0.5MPa)
设计温度 Design temperature	罐体、夹套按客户要求(0℃～160℃)

连接 CONNECTION

进出口 In–outlet	快装卡接、法兰、螺纹 Tri–clamp, Flange, Thread

材料 MATERIAL

内胆 Inner shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
夹套 Jacket	304
保温层 Insulation	岩棉或聚氨酯 Rock wool or PU
支腿等 Legs	304

表面处理 SURFACE FINISH

处理类型 Finish type	机械抛光、电解抛光、喷砂、酸洗 Mechanical/electrolytic polishing, sand blasting, pickling
抛光精度 Polishing precision	内壁0.4μm, 外壁0.6μm Inner surface Ra≤ 0.4μm, Outside surface Ra≤ 0.6μm

储罐常规型号及主要技术参数 NORMAL MODEL AND MAIN TECHNICAL PARAMETERS

参数 Parameters / 型号 Model		HSRCG–600	HSRCG–1000	HSRCG–2000	HSRCG–3000	HSRCG–4000	HSRCG–5000
有效容积 Effective volume (L)		600	1000	2000	3000	4000	5000
罐体 Tank	直径 Diameter (mm)	Φ900	Φ1100	Φ1300	Φ1600	Φ1700	Φ1800
	高度/长度 Height/Length (mm)	900	1000	1500	1500	1800	1800
搅拌 Mixing	电机功率 Power (kW)	1.1	1.5	2.2	2.2	3	4
	搅拌工作转速 RPM (r/min)	60(斜叶桨式)(可根据客户使用情况进行调整设计) 60(Paddle impeller)(Can adjust the design according to the customer's usage)					

参数 Parameters / 型号 Model		HSRCG–000	HSRCG–8000	HSRCG–10000	HSRCG–12000	HSRCG–15000	HSRCG–20000
有效容积 Effective volume (L)		6000	8000	10000	12000	15000	20000
罐体 Tank	直径 Diameter (mm)	Φ1900	Φ2000	Φ2200	Φ2400	Φ2600	Φ2800
	高度 Height (mm)	2000	2200	2400	2500	2700	3000
搅拌 Mixing	电机功率 Power (kW)	4	5.5	7.5	7.5	11	11
	搅拌工作转速 RPM (r/min)	60(斜叶桨式)(可根据客户使用情况进行调整设计) 60(Paddle impeller)(Can adjust the design according to the customer's usage)					

上表数据为标准型，仅供参考，可根据客户要求定制。The above–mentioned data is the standard, it can customize according to customer's requirements.

储罐
STORAGE TANK

储罐严格遵循《药品生产质量管理规范》GMP总则(2010年修订)第三十一、三十二条要求，并按《压力容器》(GB150–2011)、《钢制焊接常压容器(附标准释义)》(NB/T 47003.1–2009)要求进行设计、制造及验收。

储罐通常采用立式圆罐体，上均为标准的椭圆形或蝶形封头，下均为标准的锥形、蝶形或椭圆形等封头，罐体内壁过渡段均采用圆弧过渡，无卫生死角，易清洗；单层、双层(罐体和下封头设有保温层)或夹套形式(罐体和下封头设有夹套和保温层)，根据客户要求进行组合；罐体内镜面抛光处理，能够实现CIP和SIP，符合卫生规范要求。

储罐结构可采用立式结构或卧式结构，根据客户要求还可设计成方形、圆形等多种形状；配置机械式搅拌。

Storage Tank is designed, manufactured and inspected in accordance with the pressure vessel standard(GB150–2011) and the steel welded atmospheric pressure vessel standard(NB/T 47003.1–2009) , strictly meeting GMP certificate requirements.

Storage Tanks usually adopt vertical circular tank body. The top is standard elliptic or torispherical head, and the bottom is standard conical, torispherical or elliptic head. Inner wall of tank body transition section adopts circular arc transition, no dead corner, easy to clean. Single layer, double layer (tank body and the bottom head is equipped with insulation layer) or jacket type (tank body and the bottom head is equipped with the jacket and insulation layer) can be customized for customers. Tank inner surface mirror polished meets the CIP and SIP and the GMP standard.

Usually Storage Tank structure is vertical structure or horizontal structure, it also can be designed in square and circular shapes according to customers' requirements.

产品特色

- 容积有600L～20000L等多种规格，可根据客户实际需求进行设计、制造。
- 保温层的保温材料为岩棉或聚氨酯。
- 接口采用快装卡盘式(卡接)，罐体内胆选用304或316L，内表面镜面抛光Ra≤0.28μm～0.6μm，外表面可根据客户要求进行抛光、拉丝、喷砂等。

FEATURE

- There are varieties of volume from 600L~20000L, also it can be designed and customized according to the customers' requirements.
- Jacket can be put into steam (or hot water), and jacket is divided into coil jacket,full jacket and dimple jacket. Jacketed outside is covered with insulation layer. Insulation material is rock wool (keep warm) or PU (keep cold).
- Connector uses fast installation chuck (clamp). Inner tank uses SS304 or SS316L. The inner surface mirror polishing Ra≤0.28μm～0.6μm. Outer surface can be polished, wiredrawn, sandblasted according to customer's requirement.

典型的应用

适用于制药行业的纯水贮存、注射水贮存、药液贮存、中间缓冲，也适用于食品、饮料行业牛奶、果汁等物料的常温及加温贮存。

APPLICATION

Suitable for the pharmaceutical industry of pure water storage, injection water storage, liquid storage, intermediate buffer, also applies to normal temperature and warming storage of the food, milk, juice etc.

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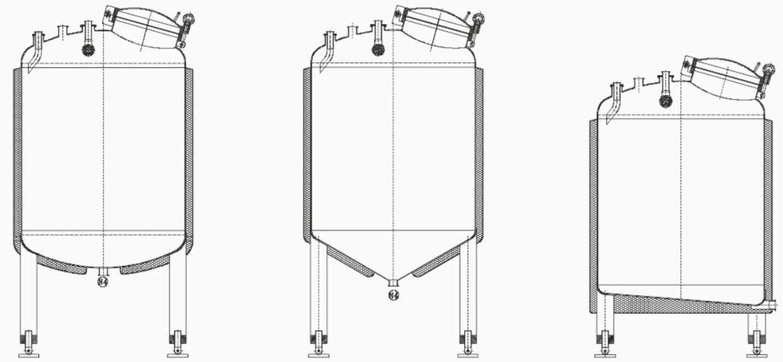
罐体可选配置

储罐的罐体可选配置无菌空气过滤器、温度计(数显式或表盘式)、压力表、视镜、卫生级人孔、进出液孔、CIP万向旋转清洗球、液位计等，或根据客户要求进行配置。

TANK OPTIONAL CONFIGURATION

Storage Tank optional configuration: sterile air filter, thermometer (digital display type or dial), pressure gauge, sight glass, sanitary manhole, in–outlet, CIP universal rotating cleaning ball, liquid meter etc, Or configured according to customers' requirements.

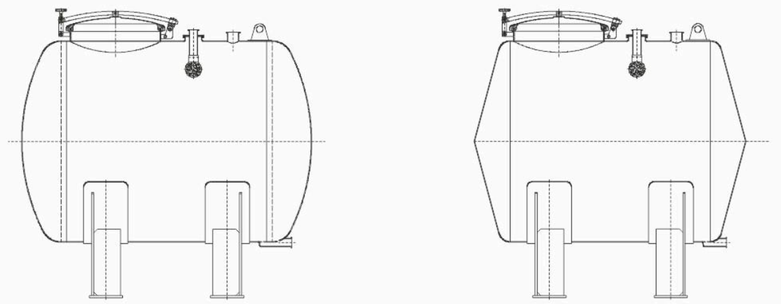
储罐常规结构 STORAGE TANK STRUCTION



碟形底立式储罐(双层)
Vertical Type Storage Tank–dish Bottom (double Layer)

锥底立式储罐(双层)
Vertical Type Storage Tan–conical Bottom (double Layer)

平斜底立式储罐(双层)
Vertical Type Storage Tank –tilting Bottom (double Layer)



碟形端卧式储罐(单层)
Horizontal Type Storage Tank–dish Ends (single Layer)

锥形端卧式储罐(单层)
Horizontal Type Storage Tank–conical Ends (single Layer)

过滤器系列
FILTER SERIES

金属精密过滤器
METAL PRECISION CARTRIDGE FILTER

●金属精密过滤器，适合过滤高温高压、高固含量的物料。过滤器采用反吹清洗方式，可连续自动化操作，避免了频繁的人工清洗和不必要的停车；且最大化减少了滤材及残液对环境造成的污染。

●金属精密过滤器能除去清水中的异色，异味和汞、铅、镉、锌、铁、锰、铬等重金属物质，还可去除清水中的砷、氢化物、硫化物、余氯等高分子化合物及锶，镭等放射性物质，除去和杀死水中的细菌和大肠杆菌以及其它致癌物质；广泛食品饮料、制药、化工等行业的固液分离，在制药行业尤其适用于输液针剂生产线中的脱炭过滤。

●Metal precision filter, suitable for filtering the high temperature and high pressure, high solid content of the material. Filter using reverse cleaning method, can be continuous automation, to avoid the frequent manual cleaning and unnecessary parking; And maximal decrease the pollution of filter material and the residual liquid to the environment.

●Metal precision filter can remove water in different color, odor and mercury, lead, cadmium, zinc, iron, manganese, chromium, and other heavy metal material, also can remove the arsenic in the water, and hydride, sulphide, residual chlorine and other high molecular compound and strontium, radium and other radioactive substances, remove and kill the bacteria and e. coli and other carcinogens in the water. Food and beverage, pharmaceutical, chemical and other industries of solid-liquid separation, especially in the pharmaceutical industry is suitable for the decarburization filtration of transfusion injection production line.

产品特色

●金属滤芯，主要钛棒滤芯，具有耐高温、高压、强酸、强碱、耐腐蚀，通过冲洗或酸碱浸泡后可反复再生使用。

FEATURE

●Metal filter cartridge, mainly Titanium rod cartridge has high temperature, high pressure resistance, strong acid, strong alkali, corrosion resistance, it can be used repeatedly after washing or soaking by acid and alkali

典型的应用

●电子工业：电子、微电子、半导体工业用水等过滤。
●医药工业：原料药、溶剂性药液、物料的脱碳过滤等过滤。
●化学工业：有机溶剂、化学试剂、液体原料、催化剂等过滤。
●食品工业：啤酒、饮料、矿泉水、植物油、酱油、醋等过滤。
●炼油工业：油田回流水过滤、海水淡化领域反渗透前的保安过滤。

APPLICATION

●Electronics industry: electronic, microelectronics, semiconductor industry water filtration.
●Pharmaceutical industry: pharmaceutical raw materials, solvent liquid medicine, decarbonize material filtration.
●Chemical industry: organic solvents, chemical reagents, liquid raw materials, catalysts, etc. filtration.
●Food industry: beer, beverage, mineral water, vegeTable oil, soy sauce, vinegar, etcfiltration.
●Oil refining industry: oilfield reflux water filtration, industry filtration before reverse osmosis desalination field.

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侧入式袋式过滤器
Side Entry Bag Filter

顶入式袋式过滤器
Top Entry Bag Filter

多袋式过滤器
Multi Bags Filter

大饼式过滤器
Lenticular Filter

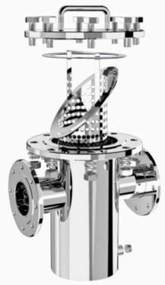
翻转钛棒过滤器
Swing Titanium Rod Fluid Filter

单芯卫生级液体过滤器
Single Cartridge Sanitary Filter

多芯液体过滤器
Multi Cartridge Sanitary Filter

管道过滤器
Tube Filter

空气(蒸汽)过滤器
Gas(steam) Filter


篮式过滤器
Basket Strainer

磁棒过滤器
Magnetic Fluid Filter

刮刀式自清洗过滤器
Scraper Type Self-cleaning Filter

双联过滤器
Duplex Filter

板框过滤
Filtering Equipment

板式超高温杀菌机
PLATE UHT STERILIZER

该系统采用超高温处理方法，使液体乳制品、茶饮料、果汁达到严格的灭菌，进而转入无菌包装，其杀菌温度为137度，保温时间为3–5秒，从而尽可能的保持饮料、乳品的原有营养色泽及风味。本设备具有热回收率高，结构紧凑、美观、温度控制等特点；本产品有热灌装，出料温度自控，也可冷灌装。
控制方法：半自动、全自动(PLC控制，触摸屏显示)。

This machine adopts UHT processing method, makes the liquid dairy beverage and juice etc strictly sterilized, then into aseptic package, with the sterilization temperature: 137℃ , warm keeping time:3–5S,so to keep the original nutrition, colour and flavour of the beverage and dairy, This machine is of the advantages of high heat recycle, compact and fine structure, and temperature control. Outputting material temperature, and cool package.
Capacity: semi–automatic, full automatic (PLC controlling, touch screen).

技术参数 TECHNICAL PARAMETERS

型号 Model	BS–UHT–1	BS–UHT–2	BS–UHT–3	BS–UHT–4	BS–UHT–5
生产能力 Production capacity(t/h)	1	2	3	4	5
换热面积 Heat exchanging area(m^2)	16	26	38	46	56
物料进口温度 Material inlet temperature(℃)	5	5	5	5	5
物料出口温度 Material outlet temperature(℃)	5	5	5	5	5
杀菌温度 Sterilizing temperature(℃)	137	137	137	137	137
保温时间 Warm keeping time(S)	4	4	4	4	4
冰水温度 Ice water temperature(℃)	1	1	1	1	1
冰水耗量 Ice water consumption(t/h)	3	4	6	8	12
接口尺寸 Joint size(mm)	ϕ25	ϕ38	ϕ38	ϕ51	ϕ51
设备重量 Weight (Kg)	980	1080	1160	1350	1680
外形尺寸Size(长×宽×高mm)	1500x1500x2000	1900x1800x2200	2100x2200x2500	2300x2200x2500	2600x2200x2500
功率 Power(kw)	3	4	5	6	7

无菌列管式超高温杀菌机(UHT)
TUBULAR UHT STERILIZER

该系统采用超高温处理方法，使液体乳制品、茶饮料、果汁达到严格的灭菌，进而转入无菌包装，其杀菌温度为137度，保温时间为3–5秒，从而尽可能的保持饮料、乳品的原有营养色泽及风味。本设备具有热回收率高，结构紧凑、美观、温度控制等特点；本产品有热灌装，出料温度自控，也可冷灌装。
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Capacity: semi–automatic, full automatic (PLC controlling, touch screen).

技术参数 TECHNICAL PARAMETERS

型号 Model	GS–UHT–1(A)	GS–UHT–2(A)	GS–UHT–3(A)	GS–UHT–4(A)	GS–UHT–5(A)
生产能力 Production capacity(L/h)	1000	2000	3000	4000	5000
物料进口温度 Material inlet temperature	5℃	5℃	5℃	5℃	5℃
保温时间 Warm keeping time(s)	4–15	4–15	4–15	4–15	4–15
杀菌温度 Sterilizing temperature	95～125(138℃)	95～125(138℃)	95～125(138℃)	95～125(138℃)	95～125(138℃)
物料出品温度 Material outlet temperature	4–20	4–20	4–20	4–20	4–20
蒸汽压力 Steam pressure	0.4(0.6MPa)	0.4(0.6MPa)	0.4(0.6MPa)	0.4(0.6MPa)	0.4(0.6MPa)
蒸汽耗量 Steam cost	～130kg/h	～160kg/h	～240kg/h	～320kg/h	～400kg/h
压缩空气压力 Compressed air pressure	0.6MPa	0.6MPa	0.6MPa	0.6MPa	0.6MPa
压缩空气耗量 Compressed air consumption	50L/H	50L/H	50L/H	50L/H	50L/H
外形尺寸 Size (不含均质机)(Without homogenizer)	3500x1600x1800	4500x2000x1900	4500x2500x2000	5000x2000x2000	5000x2000x2000
耗电(千瓦) Electrisity cost(kw)(不含均质机)(without homogenizer)	8.75	12	18	21	25

CIP 在线清洗系统
CIP/SIP SYSTEM

CIP 在线清洗系统是一个中央集成系统，主要由单个或多个清洗液贮罐及管道、分布器、增压泵、回流泵、气动控制阀、酸碱计量泵、板式换热器、温度控制仪、电导率检测仪、液位控制仪、PLC触摸屏、控制柜及系统管阀件等组成。

CIP Systems is a central integration system, mainly composed of single or multiple cleaning fluid Storage Tank and pipe, distributor, booster pump, circumfluence pump, pneumatic control valve, acid–base metering pump, plate heat exchanger, temperature control instrument, electrical conductivity detector, liquid level controller, PLC, touch screen, control cabinet and system pipe valve parts, etc.

产品特色

- 就地清洗、操作简便、工作安全、劳动强度低、工作效率高。
- 清洗彻底，并能同时达到消毒灭菌目的，保证卫生要求，有利于制品质量提高。
- 清洗采用管道化，可减少占用车间面积。
- 洗涤剂可循环使用、利用率高，蒸汽和水也比较节省。
- 易损件少，设备使用寿命长。
- 适合于大、中、小型各类设备清洗。
- 清洗工作可实现程序化和自动化。

FEATURE

- In–place cleaning, easy to operate, safe, low labor intensity, high work efficiency.
- Clean thoroughly, achieving disinfection sterilization, and guaranteeing the sanitary requirements, is helpful to improve product quality.
- Pipelining type cleaning to reduce the occupying room.
- Detergent can be recycled, high utilization ratio saving steam and water.
- Less wearing parts, equipment, long service life.
- Suitable for large, medium and small equipment cleaning.
- Cleaning can be programmed and automated.

典型的应用

广泛应用于饮料、乳品、果汁、啤酒、制糖、生物制药等自动化程度较高的生产企业中。

小型移动式CIP 在线清洗系统主要应用于生物发酵、制药行业。

APPLICATION

Widely used in the beverage, dairy, juice, beer, sugar, biological pharmaceutical automatic production process. The small portable CIP online cleaning system mainly used in biological fermentation, the pharmaceutical industry.

常规的清洗程序USUAL CLEANING PROCESS

程序 Procedure	时间 Time	温度 Temperature
水预洗过程 Water prewash	3min ~ 5min	40℃ ~ 50℃
碱洗过程 Alkali wash	5min ~ 15min	60℃ ~ 80℃
中间水洗过程 Intermediate washing	3min ~ 5min	40℃ ~ 50℃
酸洗过程 Acid pickling	5min ~ 10min	60℃ ~ 80℃
最终水洗过程 Finally water washed	3min ~ 5min	40℃ ~ 50℃

储罐常规型号及主要技术参数 NORMAL MODEL AND MAIN TECHNICAL PARAMETERS

参数 Parameters \ 型号 Model		JTCIP–0.5	JTCIP–1	JTCIP–2	JTCIP–3	JTCIP–4
酸罐容积 Acid tank Volume (L)		500	1000	2000	3000	4000
碱罐容积 Alkali tank Volume (L)		500	1000	2000	3000	4000
热水罐容积 Hot water tank Volume (L)		500	1000	2000	3000	4000
加热方式 Heating method		盘管、板式、管式加热、电热管加热 Coil, plate, tube heating, electric heat pipe heating				
CIP泵 Pump	流量 Follow Rate (m^3/h)	10	10	20	20	30
	扬程 pump head (m)	24	24	36	36	36
	功率 Power (kw)	2.2	2.2	4.0	4.0	5.5

上表数据为标准型，可以根据客户特定要求定做。CIP清洗系统选型需提供的工艺参数：酸、碱、水罐容积，自动化程度，加热方式，特殊要求等。
The above–mentioned data is the standard, for reference only. It can customize according to customer's requirements. CIP cleaning system selection should provide technology Parameter：Acid, alkali, tank volume, degree of automation, heating mode, special requirements, etc

华商机械 HUASHANG

搅拌器常用类型
AGITATOR MODEL

推进式搅拌桨
Propeller

旋桨式搅拌桨
High Efficiency Axial Flow Impellers

斜叶开启涡轮式搅拌桨
Special Open Turbine Impellers

锥圆底框式搅拌桨
Anchor And Frame Type Impeller

斜叶桨式搅拌桨
Paddle Impeller

螺带式搅拌桨
Helical Ribbon And Screw Impeller

半圆弧圆盘涡轮式搅拌桨
Disc Turbine Impeller With Arc Type Blades

锚框式搅拌桨
Special Anchor And Frame Type Impeller

布尔马金式搅拌桨
Bulmarking Impeller

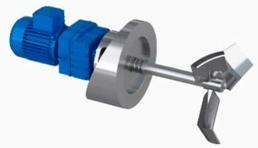
平直叶开启涡轮式搅拌桨
Flat Blade Open Turbine Impeller

曲边叶桨式搅拌桨
Curved Blade Open Turbine Impeller

分散盘
Paddle Impeller With Curved Blades

磁力搅拌器
Magnetic Agitator

机械排渣搅拌器(红酒发酵罐)
Mechanical Slagging Agitator


(侧入式)机械搅拌器
(side Entry) Mechanical Agitator

卫生级泵系列
SANITARY PUMPS SERIES

回程泵
Return stroke pump

离心泵
Centrifugal pump

三足离心泵
Three feet centrifugal pump

均质乳化泵
Emusifier pump

凸轮转子泵
Cam rotor pump

单螺杆泵
Screw pump

食品生化流程泵
Food and biochemical process pump

正弦泵
Sinusoidal pump

气动隔膜泵
Pneumatic diaphragm pump

卫生级离心泵广泛应用于食品、制药、化工和其它工业领域，根据液体性质，离心泵要采用不同的不锈钢材质制作。
材质为：SUS304、SUS316L
密封方式：机械密封
接口方式：螺纹、焊接、快装

Sanitary centrifugal pumps are widely used in food, pharmaceutical, chemical and other industrial fields. Depending on the properties of the liquid, centrifugal pumps are made of different stainless steel materials.
Material: SUS304, SUS316L
Sealing method: mechanical seal
Interface method: thread, welding, quick installation

不锈钢管阀件系列
STAINLESS STEEL PIPE VALVE SERIES

使用SUS304或SUS316L不锈钢制成，内部镜面抛光、外表面经抛光喷砂、钝化处理、表面光滑平整。

Use SUS304/SUS316L stainless steel, the internal mirror face carries out the polish and out the surface also carries out the polish, sand spray, passivation treatment. The surface is smooth and flat.