TOMATO CONCENTRATE
PRODUCTION LINE
Complete tomato concentrate production line

Technical requirement:

1. Product: tomato concentrate
2. Material: fresh tomato
3. Package: glass bottle, 250ml, 500ml
Main equipments description

1: Water treatments system

Description:
This system adopts stainless steel multi-medium filter, active carbon filter effectively to remove big impure particles and suspending matters, improve RO film water inputting index, effectively remove the smell and rest chlorine of the original water, and improve the taste of water quality. The main machine adopts American high effective low-pressure compound film, with single film salt removing degree up to 99%. The high low-pressure protection imported from Korea ensures the breakdown low to 0%, with the outputting water up to national pure water standard. (including raw water pump, sand filter, active carbon filter, chemical doser, water softener, micro filter reverse osmosis system, back washing system, sterilization, water tank fittings)

Technical parameter:
1. process capacity: 2000L/H
2. raw water pump model: CHL8-49
3. sand filter: 500*1500mm
4. active carbon filter: 500*1500mm
5. micro filter: filter core specification: 65*500mm, filter core number: reverse osmosis system (including height pressure pump, ro membrane, membrane housing, controlling box, pressure appliance, flow appliance, height, low pressure switch etc.)
202. Pure water tank

1000L storage tank
1. materials: 304 Stainless steel, thickness: 3mm
2. normal volume: 2000L, diameter: 2300mm, height: 4300mm.

203: Constant pressure system

1. The high efficiency and energy saving
According to the demand of water pressure, set according to change to adjust the speed of the pump and motor pump operation, equipment and variable flow. Numbers variable pressure or change in the flow of constant pressure water supply, high efficiency and energy saving equipment running in the best condition, to achieve the purpose of energy-saving real.
2. Water supply pressure stable
To realize closed loop control system, can adjust the set pressure and system pressure feedback the difference in value, the pressure to be constant.
3. The operation stability
Set pressure directly by the inverter setting keyboard, the operation is very simple.
4. Pump cycle start
Each pump circulation pump start-up, won't because of
301: Low level tomato loading machine

S.S 304, motor driven conveyor, speed adjustable
Size: 5000 x 500 x 2500mm

302: Tomato washing elevating machine

S.S 304, motor driven conveyor, speed adjustable
Size: 4000 x 1000 x 1800mm

303: Tomato sorting conveying platform

S.S 304, motor driven conveyor, speed adjustable
Size: 3500 x 1000 x 1500mm
304. High level tomato loading machine

S.S 304, motor driven, speed adjustable
Size: 5000 x 500 x 2500mm

305. Tomato crushing pulping machine

S.S 304, This pulping machine is applied to produce tomato paste, strawberry paste, mango paste, peach paste, etc. motor driven, two stage pulping system, screen diameter: 0.6 X 0.8 or 1.1mm
Output: 2T/H

306: Balance tank for raw tomato paste

S.S 304, Outer wall thickness 2 MM
401. Hot water tank

1. materials 304 stainless steel, thickness: 3mm
2. normal volume: 2000L, diameter: 1880mm, warm-keeping thickness: 50mm, height: 3400mm.
3. quick start, digital thermometer manhole, T cleaning head, the material valve lever type, adjustable tapered foot in and out, move the caliber of 51mm

402: Plate heat exchanger

Description:
Plate heat exchanger is a high effective heat exchanging equipment, can be used in such fields as chemicals, metallurgy, petroleum, power station, agriculture chemicals, paper making, pharmacy, air-conditioner, beer, beverage, and biological project. it is of advantages of compact structure, large heat exchanging area, small area taking, and easy disassembly, cleaning and maintain.

Technical parameter:
1. heat exchanging area of single plate: 0.16 m²
2. heat exchanging area of single machine: 12 m²
3. number of plates: 115
4. outline dimensions: 1200*350*1320mm
5. machine weight: 430kg
403. Water-powder mixer

Description:
It is composed of main machine body and centrifugal pump water wheel, which are vertically installed. Through a double-layer wall pipe, the liquid materials and soiled materials are separately pumped in, which can prevent them from agglomerating before entering into the main body. When the liquid enters into the main machine body of mixer at high speed, vacuum will produce in the center of water wheel to suck the solid material. The solid machine will be evenly sucked in through the regulation of valve under douche tank.

Technical parameter:
1. Capacity: 2T/H
2. Motor power: 4kw
3. Rotation speed of vane pump: 2800rpm

404. Square high speed emulsification tank

Description:
This equipment is to blend the materials efficiently under mixing, pressing and cutting by the high-speed rotation of the impeller in the bottom, which is especially applicable for the mixture of sugar, starch, milk powder, egg powder products with the emulsifying agent, stabilizing agent and thickening agent, usually used in the mixing flow of formula milk powder, acidophillus milk, various drinks, ice cream, egg roll and waffles. We have adopted R-arc transition regarding the structural design to guarantee there is no dead corner to influence the sanitation, furthermore, the technical innovation has been carried out on the sealing structure for the mixing at the bottom to prolong the service life of the mechanic seal and bearing to the largest extent, and it has also saved the service cost for the clients.

Technical parameter:
1. Effective volume: 1000L
2. Size (L*W*H): 1150*1150*750mm
3. Height: 2000mm
4. Insulation thickness: 50mm
5. Engine power: 11KW
6. Shearing speed: 1460R/min
405. Round high speed emulsification tank

Description:
The round eccentric emulsification tanks are manufactured. Examined, and approved by JB4735-1997 tell welding normal pressure container, "are the latest products researched and develop by us through adopting advanced design technology from Japan. It is advanced in the world and is initially created in domestic. The high-speed blending of mechanical and hydraulic force is the key to the success of the equipment. The precise matching of rotor and stator guarantees that the processed material can endure cutting actions at tens of thousand of times per minute. The blending device is installed eccentrically on the vertical vessel to prevent the liquid from forming' Column rotary area around blender. And it can produce the blend effect approximate to that with baffle plate equipped. The eccentric blending will make the blending center deviate form the vessel center and the make the pressure of liquid flow at each place be different. Therefore, the relative movement between liquid layers is enhanced, the turbulent wide range of application, including the process of blending, homogenizing, crushing, suspending and solving required in cosmetic emulsion and adhesive agent. To satisfy different technology requirements and expand its application range, we specially design three type s of exchangeable stators, which are made of stainless steel and can be dismantled for cleaning. The size of stator will change according to power.

Technical parameter:

1. Volume: 3T
2. Tank diameter(mm): Ф900
3. Tank height(mm): 800
4. Motor power(kw): 0.75
5. Mixing power(rpm): 1400/2800rpm
6. Working pressure; inner ≤0.1Mpa jacket 0.2Mpa
7. Working temperature; inner≤120°C
407: Flash evaporating (degassing) equipment unit

Description:
Degasser is also called degassing pot, mainly used in degassing the fruit juice in vacuum to prevent the oxidization and turning brown, at the same time, removing the gas attaching to the suspended particulates, stopping the particles upping, improving the looking, reducing bubbles in high temperature sterilizing and filling, and reducing the corrosion. Degasser can also be used in producing liquid milk and beverage containing milk. Normally, vacuum degassing is after homogenizing, and sometime, is before filling.

ZT-3 technical parameter
1. processing capacity: 3000L/H
2. work vacuum: 0.064-0.087mpa
3. total power: 6.2kw
4. size: 1135*780*3040mm
5. weight: 350kg

409: High pressure homogenizer

Description:
It is a special equipment in liquid material homogenization, lessening and high pressure transportation, which are applied widely for food, dairy, beverage, medicine, fine chemical and bio-engineering technology, etc.

Technical parameter:
1. production capacity: 3000 l/h. Piston root number: 3
2. pressure: 25mpa. Work continuously: 0-20mpa
3. motor power: 37kw
4. dimensionL*W*H: 160*120*120cm
5. weigh: 2100kg
Description:
Our company produced the GR series of automatic tube ultra high temperature sterilization unit, which is suitable for stainless steel non-corrosive liquid on heating and cooling. This unit is suitable for milk, juice, beverages, soy sauce, milk, wine, ice cream, popsicle, and pulp and other heat-sensitive materials. Sterilization of liquid can also be used for sterilization of liquid medicine materials, can ensure the full and complete sterilization, but also protect the nutrition composition, the effect is very significant. With any use of aseptic filling equipment for continuous production, with a shelf life of up to 3 to 6 months.

Technical parameter:
1. Feed temperature: 5-35 ℃, discharge temperature: 25-30 ℃
2. Sterilization temperature and time: 135 ℃ ~ 137 ℃ / 3 ~ 5 s
3. Production capacity: 2T/H
4. The motor power 6.6KW,
5. appearance size: 4000 mm x 1800 mm x 2000 mm.

411. Elevated storage tank

1. materials 304 stainless steel, thickness: 3mm
2. normal volume: 1000L, diameter: 1880mm. warm-keeping thickness: 50mm. height: 3400mm.
3. quick start, digital thermometer manhole, T cleaning head, the material valve lever type, adjustable tapered foot in and out, move the caliber of 51mm
414. Self-priming pump

Material 316, ABB motor, power: 4 KW, stainless steel casings, Flow 20T/H

501. Three-effect concentration system

Description:
- Widely applied to milk, fruit juice, pharmaceutical and chemical industry.
- Plate time after time evaporates, high efficiency and low power consumption.
- Fast speed, vacuum low temperature evaporation, keep material in its original colour flavour and nutrition.
- Pasteurizer, hygiene and safe.
- Advanced technique, reliable fittings and stable performance.
- Compact size, easy to operate, low maintenance.

Technical parameter:
- Processing quantity: 2400kg/h
- Inlet density: 10%
- Outlet density: 71%
- Evaporation quantity: 8.6~17t/h
- Consumption specific vapor: 0.25 kg/kg
- Size: 12000*4400*3500
Paste filling machine is my company to meet market demand, the introduction of foreign advanced technology to develop new products, the machine uses a positive displacement piston pump to perform filling, loading capacity and high precision, long life, high temperature, acid, which machine, electricity, gas integration for filling particles, thick sauce, paste and other industries in different viscosity materials, in line with GMP requirements.

The main technical parameters:
1 Bottle Size: 20 ~ 1000mL
2 Production capacity: 1000-2500 bottles / hour
3 PCS error: ± 2% standard QTY
4 Power: 380 / 220V 50 / 60Hz
5 Electric power: ≤1.2Kw
6 require air pressure: 0.4 ~ 0.6Mpa
7 Speed control: Frequency Control
8 Single machine noise: ≤50dB
9 Weight: 600Kg
10. Dimensions: 2440 × 1200 × 1800 (mm)

Features:
- The displacement piston pump to perform filling, high precision, large-adjusted dose range, can adjust the overall installed capacity of all the pump, the pump can be slightly adjusted to the individual, quickly and conveniently.
- The low liquid storage drum, machine wash, easy to disinfect, can achieve CIP.
- Filling System Settings shrink function, no dripping.
- suitable for various viscosity liquid filling.
- All electrical components are Italy AT, Japan's Mitsubishi, Korea AUTONICS other famous brands.
- frequency control, automatic display count.
- machine designed according to GMP requirements.
2. Capping machine

Three rotary vacuum capping machine technical parameters
Production capacity 50-120b / min.
Bottle diameter 38-100 mm,
Bottle height 62-240 mm,
Cap diameter 27-89 mm
Dimensions: 2350 * 1450 * 2150

603. Lamp check

This equipment is the drinking water production manufacturer is in manufacturing process check the bottle sundry etc of the related project, special equipment with brightness moderate, simple operation, convenient maintenance, etc.
Power, voltage: 220 V
Power: 200 W
Weight: 45 kg
Envelope dimensions: 1000 * 500 * 1500 mm
Auto clave is made up of processing pot, hot water pot, valves and pumps, connecting pipes and PLC and touching view. It adopts high pressure and high temperature hot water as the medium; can take fast and high temperature sterilization on the food package such as compound thin film package, sausage coating package plastic box package, tri-can package, can, glass bottle, plastic bag and so on with the food slowly returning inside the machine, so to fast and evenly heating, greatly reducing the sterilization time, so to reach the goal of high temperature and short time sterilization. Features:

◆ Returning way can avoid over heating the food around.
◆ Temperature controlling system can swiftly automatically control according the different features of the package.
◆ Pressure controlling system matches the standard pattern automatically adjust pressure according to different conditions, so to avoiding distortion and destroy of the container, fit to increase the production.
◆ Production and quality management can goes effectively by analyzing and checking T-t and P-t record.
◆ The main body of the boiler and the touching surface to the material all adopts high quality stainless steel, up to the food sanitary demands.
606. Automatic labeling machine

This device is suitable for a single flat round bottle labeling, such as caps, cups, bottles and other cylindrical body, high speed, accurate and stable auto-complete labeling action, saving manpower and improve efficiency.

Technical Parameters
1. the whole choice of # 304 stainless steel;
2. PLC + LCD touch screen control operation;
3. labeling accuracy ± 1mm;
4. can be fixed labeling;
5. servo motor driven labeling head, automatically synchronized with the transmission belt to ensure high-speed, high-quality labeling;
6. different diameters product replacement quick and easy.

Options:
1. coding;
2. Transparent label sensor;
3. automatic feeding tray.

Label width 10-180mm
Label length 10-300mm
Product diameter 25-100mm
Labeling speed 35-120pcs / min
Roll ID / OD 76mm / 360mm
Equipment size L2010 × W1110 × H1550mm
607. Ink jet printer

Overall size: 370 x 260 x 550 mm; Font widened: can widen ten times; Store information: article 60 spray print information spray black well count: 1-2 lines (Chinese 1 line); Power supply: AC220V 50 Hz ac 100 VA; Spray print speed: 1400 character / (5 x7). The gross weight: 30 kg; Humidity: 90% of the environment temperature: 5 ~ 45 °C; Spray nozzle to print range: 30 mm maximum distance objects

609. Auto shrink packing machine

The main series of automatic equipments is suitable for canned food, beverage, wine, cosmetic, daily necessities and collective packing (round, square model, a flat type are applicable). After packing goods has moisture-proof, dustproof, and breakage function.

1. The reasonable design, simple operation. But with PE heat shrinkable machine form a complete set, also can use repeatedly unmanned packaging production line.
2. use a roll film, automatically bag, filling and sealing, cutting process, fast packaging.
3. PLC control, reducing mechanical contacts, make the system more stable and reliable, easy maintenance.
4. stepless speed regulation, convenient and simple.
5. adopting photoelectric detection control and it is stabilization and reliable.
CIP system is one of the prerequisites of food pharmacy production sanitary standards. It can remove the active mixed pollution and insoluble particles of impurity, reduce or remove the micro chemicals and heat source that pollute the productions. GMP requires CIP system in food and pharmacy industry, which limits related industries because the high expense in overseas completely automatically CIP system. The specialists in our company import and digest international advanced technique and successfully make automatically CIP system with high automation, simple operation, and reasonable price.

2T/H CIP system composition:
1. Alkali tank: normal volume: 2000L, diameter: 1440mm, height: 2910mm, Material 304, conic top and tonic bottom, thickness: 50mm, keeping warm
2. Acid tank: normal volume: 2000L, diameter: 1440mm, height: 2910mm, Material 304, conic top and tonic bottom, thickness: 50mm, keeping warm
3. Hot water tank: normal volume: 2000L, diameter: 1440mm, height: 2910mm, Material 304, conic top and tonic bottom, thickness: 50mm, keeping warm
4. Dense acid and alkali tank: materuak 316 single layer, plate top and plate bottom potor berried pot.
5. Dense acerbity and alkali pump steam motored film pump: 316, flow: 200L/H material 316, flow: 200L/H
6. Plate heat exchanger: material304.
7. Returning pump, self-priming pump: material316, flow: 20, lift: 20m electric motor: 4KW

Controlling cabinet: the shell is stainless, controlling method can be made to order.
801. Air compressor

Description:
For general power gas source, an alternative to oil lubricated air compressor. Especially suitable for medical hyperbaric oxygen chamber, pharmaceutical, food and beverage processing, postal and telecommunications, petrochemical, electronic pneumatic instrumentation, painting sandblasting, powder and granular gas transportation, air mixing, Film, construction, materials, national defense research departments that require high-quality oil-free compressed air.

Technical parameter:
1. Displacement: 1m³/min
2. Pressure: 0.75Mpa
3. Power: 18.5kw
4. Outline dimensions: 1080*880*1300mm
5. Machine weight: 520kg

802. Air filter

Specification: Ø 0.6 m diameter, 170 meters high pressure, 12.5 kilograms
Utilities in the air filter water, filtering impurities. The air is clean, dry state, pressure 12.5 kg
803: Air dryer

Description:
Level 3 cooling except water, efficient whirlwind, collision, folding streaming soda separator, except water effect completely; Fork counter-current heat transfer process, high thermal, small volume. More than 0.02 Mpa pressure loss. Can provide 2 ~ 3 °C pressure dew point. Efficient fully enclosed refrigeration's compressor rotor or scroll type high reliability. Increase the area of condenser, can use design of environmental conditions slightly more evil. LengGan machine special computer board controller, simple operation. Can show dew point temperature, temperature, air temperature condensation. But according to the inlet temperature choice standard or high-temperature type LengGan machine. Can choose air-filled, water-cooled condensing way. Big flow LengGan machine can choose double refrigeration system, energy-saving sex is better

804: Air storage tank

Description:
Storage tank corrosion resistance is strong, light weight, maintenance is convenient, storage tank used in chemical, petroleum, chemicals and other industries; Our company products sold widely, and projector, obtained user affirmation, sincerely look forward to your cooperation!

Technical parameter:
Diameter: 0.8 m. High: 1.8 m. Pressure: 8.5 kilograms.
901: Steam boiler

Description:
1. Advanced design: adopts the most sophisticated three returns all wet back structure, thread smoke tube structure, weld joint with high quality.
2. Safe and reliable: adopts corrugated furnace lamps, multi-chain protection. Water level, steam pressure, gas pressure protection. And before leaving factory, all the boiler have been rigorous inspection and testing, including pressure tests and X-ray detection.
3. High efficiency: with threaded pipe and high effective insulation materials, increasing the heat transfer and improve boiler thermal efficiency.

Technical parameter:
1. Rated evaporation: 1000l/h.
2. Rated working pressure: 1Mpa.
3. Fuel: light or heavy oil, natural gas or town gas, coke oven gas
4. The device dimensions: 1270mm * 1570mm * 2400mm
5. The steam boiler weight: 850KG

902: Steam tank

Stainless steel mass Steam storage use
Chiller advantages:
Europe imported high quality compressor and Italy pump. The sophisticated electronic control, able to control the water temperature +3 to +50 degrees. Unique new design of the condenser level heat sink, stainless steel open tank cleaning quick and easy. This machine is equipped with current overload protection, the level of repression and electronic delay and other safety devices, ready to sound an alarm and show the cause.

Cooling tower

Description:
Cooling tower has corrosion resistance, high strength, light weight, small size, covers an area of less, beautiful and durable, and transportation, installation and maintenance of all is more convenient. So was widely used the compilation of national departments, to air conditioning, the refrigeration, air compressor station, heating furnace and condensing technology in cooling water circulation system particularly appropriate.
Round against cooling tower type against type gas heat technology, filler used high quality modified polyethylene chlorine YiBo piece, in order to spread to drench water area; Through the spin cloth water method, realize the water even, enhance cooling effect. We have the appearance of this series product design for local improvement, make it more reliable operation, durable, assembly is convenient.

Technical parameter:
Power: 1.1KW
Height: 2.5M
Diameter: 1.8M
TERMS OF DELIVERY AND PAYMENT

- Delivery Time: 90 days.
- Transport condition: CFR.
- Certification: CE
- Line Price: ASK US.
- Payment: Irrevocable Letter of Credit by International Bank, transferable.
- Start-up with technicians salary included in this Price, not included air tickets, visa, foods and accommodation.
- Warranty: 1 year of Spanish warranty.
Bilbao, 13, 08241
Manresa, Spain

WWW.JORPIMCON.COM