

“ Intelligent,
environmental protection,
safety.

智能、环保、安全 ”



中小试研发设备
Lab Equipment & Pilot Plant

上海易研机械设备有限公司
Shanghai EasyReal Machinery Co., Ltd.



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公司介绍 ABOUT US

上海易研机械设备有限公司，是一家专注于流体食品饮料及生物工程整线交钥匙工程的专业制造商。我们致力于为用户提供从研发到生产的全方位服务。公司拥有多项知识产权、发明专利，先后通过了ISO9001、欧盟CE认证等，同时获得了上海市高新技术企业认证。

2011年，上海易研实验设备有限公司成立，依托于上海市农业科学院及上海交通大学的技术攻关和新产品开发能力，提供饮料研发中小试设备及技术服务。

2012年，与德国STEPHAN、荷兰OMVE、荷兰TERLET、德国RONO等公司达成战略合作。

2015年，开发出桌上型超高温UHT杀菌机及其它多种饮料中试机型。

2017年，原工业事业部重组独立运作，上海易研机械设备有限公司成立，致力于流体饮料及生物发酵行业工业整厂整线交钥匙工程。

通过不断融合国外新的果蔬加工工艺技术，在果汁果酱的加工工艺及设备改进方面，全面实现了技术提升。

我们专业设计和制造果蔬加工生产整线设备，从工艺的选择，到高性价比设备的设计、制造、整合，均为顾客量身打造。公司所开发生产的番茄酱、苹果、梨、桃及其它果蔬加工设备在国内得到用户一致好评，同时产品远销非洲、欧洲、东南亚、南美等地区，在国际上取得了良好的口碑。

EasyReal Technology is a professional manufacturer specializing in turnkey projects for the entire line of fluid food and beverage and bioengineering. We are committed to providing users with a full range of services from R&D to production. The company has a number of intellectual property rights and invention patents, and has passed ISO9001, EU CE certification, etc., and has obtained the Shanghai high-tech enterprise certification.



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企业资质与认证 QUALIFICATION AND PATENT



公司专利 COMPANY PATENT



专利号:ZL 2019 2 0699596.7 Patent No.
专利号:ZL 2018 2 0194501.1 Patent No.
专利号:ZL 2018 2 0207365.5 Patent No.
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专利号:ZL 2018 2 0165863.8 Patent No.
专利号:ZL 2018 2 0127274.0 Patent No.
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合作供应商 COOPERATIVE SUPPLIER



专利号:ZL 2021 2 1302148.2 Patent No.
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专利号:ZL 2021 2 1308154.9 Patent No.
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实验室UHT微型生产线设备 Lab Mini UHT Production Line

微型生产线应用：

微型UHT生产线采用先进的设计理念和过硬加工技术制造而成，满足高校、科研院所、企业研发部门在实验室中模拟工业生产需求，用于新产品的口感测试、产品配方研究、配方更新、产品颜色评定、货架期测试等。

本实验装置适用范围广，可准确模拟产品制备、均质、老化、巴氏灭菌、超温快速杀菌等过程。

APPLICATION:

The Lab scale plant is manufactured with advanced design and technologies to meet requirements from universities, institutes, enterprises' R&D department for simulating industrial manufacture and research in laboratory.

In the laboratory of universities and institutes and enterprises' R&D department, it is completely simulated the industrial production sterilization in the laboratory, used for taste test of new product, research of product formulation, formula update, evaluation of product color, test of shelf life, etc. The lab scale plant is suitable for wide range of visibility, and can precisely mimic product preparation, homogenization, aging, pasteurism, fast sterilization under ultra-temperature.

微型UTH生产线特点：

- 1.独立控制系统，采用彩色人机界面触摸屏操作，设备运行状态完成并显示在触摸屏上。
- 2.在实验室中完全模拟工业生产过程中的灭菌过程；
- 3.完全模拟工业生产：连续加工，加工能力小，物料需求量少；
- 4.杀菌机功能齐全，集成了CIP清洗功能和SIP杀菌功能，可根据实际需要选配高压均质机和无菌充填灌装室；
- 5.所有数据都可以打印、记录、下载；
- 6.试验结果精度高，重复性好，参数可以放大到工业生产中；
- 7.为新产品开发节约原材料、能源和时间，设备额定处理能力为每小时20升，最小批量生产投入量仅为3升物料；
- 8.占地面积小；
- 9.100级净化级别：灌装室采用超净多级空气过滤系统与臭氧发生器、紫外线杀菌灯相结合的特殊设计，对灌装室进行彻底消毒灭菌，维持灌装室内区域无菌环境；
- 10.微型UHT杀菌机内置蒸汽发生器，一般情况只需要提供水和电即可运转（如涉及冰冷，则需要配备冰水机组）。



FEATURES:

- 1.Independent control system, man-machine interface operation is adopted. The operation and state of the equipment are completed and displayed on the touch screen.
- 2.Completely simulates the industrial production sterilization in the laboratory.
- 3.Continuous processing with minimize product.
- 4.The sterilizer is integrated with the CIP and SIP function online, which can be configured homogeniser and aseptic filling cabinet on the needs.
- 5.All data can be printed, recorded, downloaded.
- 6.With high accuracy and good reproducibility, the trial result can be scale up to the industrial production.
- 7.Saving materials, energy and time for new product development and the rated capacity is 20 Liters per hour, and minimum batch is only 3 Liters.
- 8.Aseptic filling combinert with100 grades of depuration: The special design integrated with ultra-clean multi-stage air filtration system and ozone generator and ultraviolet germicidal lamp in the studio to sterilize the working room completely create and guarantee a continuously sterilized area in the cabinet.
- 9.It occupies a limited area.
- 10.Only electricity and water are required, the sterilizer is integrated with steam generator and refrigerator.



微型UHT杀菌机 Lab Scale Sterilizer



设备应用：

- 1.适用产品：乳品、含乳饮料、添加剂、果汁、调味品、茶饮料等产品；
- 2.模拟工艺：巴氏杀菌、高温短时杀菌、超高温瞬时杀菌等工艺；
- 3.功能：用于新产品的口感测试、产品配方研究、配方更新、产品颜色评定、货架期测试等。

Application:

In the laboratory of universities and institutes and enterprises' R&D department, it is completely simulated the industrial production sterilization in the laboratory, used for taste test of new product, research of product formulation, formula update, evaluation of product color, test of shelf life, etc.

It is suitable for wide range of visibility, and can precisely mimic product preparation, homogenization, aging, pasteurism, fast sterilization under ultra-temperature.

设备特点：

- 1.独立控制系统，采用彩色人机界面触摸屏操作，设备运行状态完成并显示在触摸屏上。
- 2.在实验室中完全模拟工业生产过程中的灭菌过程；
- 3.完全模拟工业生产：连续加工，加工能力小，物料需求量少；
- 4.杀菌机功能齐全，集成了CIP清洗功能和SIP杀菌功能，可根据实际需要选配高压均质机和无菌充填灌装室；
- 5.所有数据都可以打印、记录、下载；
- 6.试验结果精度高，重复性好，参数可以放大到工业生产中；
- 7.为新产品开发节约原材料、能源和时间，设备额定处理能力为每小时20升，最小批量生产投入量仅为3升物料；
- 8.占地面积小。

FEATURES:

- 1.Independent control system, man-machine interface operation is adopted. The operation and state of the equipment are completed and displayed on the touch screen.
- 2.Completely simulates the industrial production sterilization in the laboratory.
- 3.Continuous processing with minimize product.
- 4.The sterilizer is integrated with the CIP and SIP function online, which can be configured homogeniser and aseptic filling cabinet on the needs.
- 5.All data can be printed, recorded, downloaded.
- 6.With high accuracy and good reproducibility, the trial result can be scale up to the industrial production.
- 7.Saving materials, energy and time for new product development and the rated capacity is 20 Liters per hour, and minimum batch is only 3 Liters.
- 8.It occupies a limited area.





DSI蒸汽注入式杀菌模块 DSI Steam Injection Sterilization Module



DSI蒸汽注入式杀菌模块

额定处理能力：20 L/H (10-40L, 根据UHT产能调整)
 杀菌温度：最高140°C (水样)
 杀菌时间：3S,5S,其他可根据实际需求定制
 最高工作压力：10bar
 真空度400毫巴
 *盖米食品级隔膜阀
 *德国耐驰/萨博特或莫诺螺杆泵
 *德国IFM易福门压力传感器
 *德国IFM易福门温度传感器
 蒸汽喷射系统
 闪蒸罐系统
 蒸汽过滤系统
 真空系统
 功率 2.4KW ,380伏特, 3相电源

DSI steam injection sterilization module

Rated capacity: 20 L/H (10-40L, adjusted according to UHT capacity)
 Sterilization temperature: max. 140 °C (water as an example)
 Sterilization time: 3S, 5S, (can be customized according to actual needs)
 Maximum working pressure: 10bar
 Vacuum degree: 400 mbar
 Germany GEMU food grade diaphragm valve
 Germany NETZSCH/SUBTOR or MONO screw pump
 Germany IFM pressure sensor
 German IFM temperature sensor
 Steam injection system
 Flash tank system
 Steam filtration system
 Vacuum system
 Power: 2.4KW, 380V, 3-phase power supply



无菌充填平台 Aseptic Filling Cabinet



设备描述：

无菌充填室是为配合微型UHT杀菌机设备而专门设计的半自动灌装机。适用于各种不同形式的瓶子（玻璃瓶和PET）。在高校和企业研发部门的实验室中使用，完全模拟工业生产无菌灌装。
 灌装机采用脚踏开关，灌装头由电磁阀控制，操作方便。灌装室采用超净多级空气过滤系统与臭氧发生器、紫外线杀菌灯相结合的特殊设计，对灌装室进行彻底消毒灭菌，维持灌装室内区域无菌环境。

Description:

The semi-automatic aseptic filling cabinet is specially designed and manufactured for use with Lab sterilizer in the laboratory. It is suitable for all kinds of bottles with different volume. In the laboratory of universities and institutes and enterprises' R&D department, it is completely simulated the industrial production aseptic filling in the laboratory.
 The filling machine is easy to operate with a footswitch, because the filling head is controlled by solenoid valve. The special design integrated with ultra-clean multi-stage air filtration system and ozone generator and ultraviolet germicidal lamp in the studio to sterilize the working room completely create and guarantee a continuously sterilized area in the cabinet.

设备应用：

广泛用于乳品、含乳饮料、添加剂、果汁、调味品、茶饮料等产品灌装，适用于PET和玻璃瓶多种容积的瓶子。在高校和企业研发部门的实验室中使用，完全模拟工业生产无菌灌装。

Application:

It is widely used for filling milk, beverage, fruit juice, spices, milk drinks, tomato sauce, ice cream, natural fruit juice, etc. It is suitable for all kinds of bottles with different volume. In the laboratory of universities and institutes and enterprises' R&D department, it is completely simulated the industrial production aseptic filling in the laboratory.

设备特点：

- 1.100级净化级别：灌装室采用超净多级空气过滤系统与臭氧发生器、紫外线杀菌灯相结合的特殊设计，对灌装室进行彻底消毒灭菌，维持灌装室内区域无菌环境；
- 2.操作简单：采用脚踏电磁阀控制灌装操作；
3. SIP和CIP功能兼备；
4. 在实验室中完全模拟了工业生产中的无菌灌装过程；
5. 设备占地面积小，可移动设计。

FEATURES:

- 1.100 grades of depuration: The special design integrated with ultra-clean multi-stage air filtration system and ozone generator and ultraviolet germicidal lamp in the studio to sterilize the working room completely create and guarantee a continuously sterilized area in the cabinet.
- 2.Easy to operation: Filling operation can be controlled by a foot-touch electromagnetic valve.
- 3.SIP and CIP are both available together with sterilizer or CIP station.
- 4.Completely simulates the industrial production aseptic filling in the laboratory.
- 5.Occupation a limited area.





多功能水浴槽 Multifunctional Bath



设备应用：

广泛用于企业、医疗单位、大专院校、科研部门和生产单位进行蒸发、干燥、浓缩、恒温加热用。

Application:

Widely used in enterprises, medical institutions, colleges and universities, scientific research departments for evaporation, drying, concentration, constant temperature heating, etc.



设备特点：

1. 主体结构为优质304不锈钢和316L不锈钢；
2. 具有效率高，操作方便，自动化程度高等优点；
3. 水浴罐容积和水浴罐数量可根据客户实际需要定制；
4. 可以实现温度的控制及显示；
5. 可根据用户要求配备不同的搅拌头；
6. 水浴锅外包装保温材料，防止人员烫伤；
7. 配置优质热水循环泵；
8. 配置进口可靠温度传感器和温度控制器；
9. 占地面积小，可移动式设计。

FEATURES:

1. Main structure is high-quality SUS 304 and SUS 316L stainless steel.
2. High efficiency, convenient operation and high degree of automation.
3. The volume and quantity of water bath can be customized according to the actual needs of customers.
4. Automation control of temperature and display.
5. Different mixing heads can be equipped according to user requirements.
6. Insulation material outside the water bath to prevent scalding.
7. Equipped with high-quality hot water circulation pump.
8. Equipped with imported reliable temperature sensor and temperature controller.



碳酸饮料灌装机 Combined Carbonator & filler



设备介绍：

本设备为冷却、碳酸化、灌装与封盖四合一一体机。主要应用于啤酒、牛奶、果汁、咖啡、茶饮料、碳酸饮料等产品的充气灌装和封盖。

该设备由小型碳酸化器和灌装机两部分组成，用户在实验室进行碳酸化时能够获得精确、可重复的参数，从而能够极大地提高新产品开发的速度。

设备安装使用非常简便，触摸屏操作；配备自动清洗程序；结构紧凑，操作安全，工作可靠，维护方便。

Equipment introduction:

This equipment is a four-in-one machine for cooling, carbonation, filling and capping. - Mainly used in inflatable filling and capping of beer, milk, juice, coffee, tea drinks, carbonated drinks and other products.

The equipment consists of two parts, a small carbonator and a filler, allowing users to have precise, repeatable parameters for carbonation in the laboratory, which can greatly increase the speed of new product development.

The installation and use is very simple, touch screen operation; equipped with automatic cleaning program; the equipment is compact in structure, safe in operation, reliable in work and convenient in maintenance.

设备特点/技术参数：

占地不足1平方米，配备四个万向轮可灵活移动。

内置冰水机组，仅需外接二氧化碳，压缩空气及电源，水源即可工作。

精确控制充二氧化碳含量及灌装量

20L 加工缸，批次式，可以最少加工5L

默认配备2套灌装模具，可适用玻璃瓶和PET瓶，（易拉罐需定制），带玻璃瓶皇冠盖压盖器。

可适用于容量在0.35—2.0 升的瓶子

充填压力0-3Bar可设定

CO2 最高含量可达到10g/L

触摸屏式控制； 容易重复性测试

操作灵活及准确

系统可自动设定/运行系列参数

可碳酸化易起泡产品

采用两步冷却，在灌装过程中少有CO2 损失

碳酸化温度范围:2—20℃

预混合及后混合两种方式； 可进行CIP清洗

与物料接触的部分为316材质

电源220V功率1.5KW 50HZ；

外形尺寸：1100*870*1667

Equipment Features/Technical Parameters:

Covering an area of less than 1 square meter, it is equipped with four universal wheels for flexible movement.

Built-in ice water unit, only need to connect carbon dioxide, compressed air and power supply, the water source can work.

Precise control of carbon dioxide content and filling volume

20L processing cylinder, batch type, can process minimum 5L

Equipped with 2 sets of filling molds by default, suitable for glass bottles and PET bottles, (cans need to be customized), with glass bottle crown cap capper.

Applicable to bottles with a capacity of 0.35-2.0 liters

Filling pressure 0-3Bar can be set; The highest content of CO2 can reach 10g/L

Touch screen control; Easy repeatability test

Flexible and accurate operation

The system can automatically set/run a series of parameters

Carbonated and easily foamable products

Two-step cooling with minimal CO2 loss during filling

Carbonation temperature range: 2—20℃

Pre-mix and post-mix two ways; CIP cleaning available

The part in contact with the product is made of 316 stainless steel

Power supply 220V power 1.5KW 50Hz; Dimensions: 1100*870*1667





无菌型二氧化碳充气系统 Aseptic Carbonation & Filling System



主要应用于啤酒、牛奶、果汁、咖啡、茶饮料、碳酸饮料等产品的定量充气灌装封盖。也可用于以下方面试验：易拉罐试验；皇冠盖密封试验

该设备由二氧化碳无菌过滤系统、碳酸化系统、灌装系统、CIP系统、SIP系统等部分组成，用户在实验室进行碳酸化时能够精确、可重复的参数，从而能够极大地提高新产品开发的速度。

该产品可以进行产品前混合的碳酸化实验，也可以进行后混合的碳酸化实验。

设备安装使用非常简便，触摸屏操作，可设置保存多种不同的碳酸化程序和灌装程序。

配备自动清洗程序，一键式切换不同的灌装模式，可以快速执行不同的配方生产。

Mainly used in beer, milk, juice, coffee, tea drinks, carbonated drinks and other products of quantitative inflation, filling, capping. Can also used for: cans test; crown cap seal test.

The equipment is composed of aseptic carbon dioxide filtration system, carbonation system, filling system, CIP system, SIP system and other parts. Users can get accurate and repeatable parameters when carbonating in the laboratory, which can greatly improve the speed of new product development.

The product can be mixed before the product carbonation test, can also be mixed after the carbonation test.

The equipment is very easy to install and use, touch screen operation, can be set to save a variety of different carbonation procedures and filling procedures.

Equipped with automatic cleaning program, one click to switch different filling mode, can quickly execute different formula production.

产品特点：

自动压力控制，灌装产品的二氧化碳含量稳定
两段冷却，灌装时不会损失二氧化碳
快速灌装，产量可达100L/H，二氧化碳含量可达10g/L
触摸屏控制，用户界面友好，操作简单
可以选择集成多种的封口装置，适用多种容器
可以前混合也可以进行后混合，灵活性更高
配有自动清洁程序，省时省力

Features:

Automatic pressure control, stable carbon dioxide content of filling products.
Two stage cooling, no carbon dioxide loss during filling.
Fast filling, the output can reach 100L/H, and the carbon dioxide content can reach 10g/L.
Touch screen control, user friendly interface, simple operation.
Multiple sealing devices can be integrated, which is applicable to multiple containers.
It can be pre-mixed or post-mixed, with higher flexibility.
Equipped with automatic cleaning program, saving time and effort.

技术参数：

最大工作压力3巴
冷却温度4° C,
二氧化碳含量最高10克/升

Technical parameter:

Maximum working pressure 3 bar
Cooling temperature 4° C,
Carbon dioxide content up to 10 g/l



中试型降膜浓缩蒸发器 Pilot Multi-effect Falling Film Evaporation



设备应用：

特别适用于粘稠度低、热敏性物料的浓缩蒸发，如：果汁(清汁或混浊)、椰子水、豆浆、牛奶、原浆(如枸杞原浆)、植物提取液等。广泛应用于乳品行业、食品行业、果汁行业、饮料行业、化工行业、环保行业、制药行业等溶液的浓缩。

Application:

The pilot scale Multi-effect Falling film evaporator completely completely simulated the industrial production sterilization in the laboratory, mainly used for concentration of solutions in dairy product industry, food industry, fruit juice industry, beverage, chemical industry, environmental protection industry, pharmaceutical industry, etc.

It is suitable for wide range of viscosity, and widely used for concentration of fruit and vegetable juice, dairy, Chinese herbal medicine, western medicine, glucose, animal protein, plant protein, starch, oral liquid, chemical, health food, pigment, additives, monosodium glutamate, etc.



设备特点：

- 1). 主体结构为优质304不锈钢或者316L不锈钢制作；
- 2). 设计结合意大利技术，生产标准符合欧洲设备加工标准；
- 3). 设备使用稳定性高、效率高；
- 4). 换热系数高；
- 5). 完全自动化控制；
- 6). 节能设计，减少能源消耗；
- 7). 独立西门子控制系统。

FEATURES:

1. Independent Siemens control system.
2. Main structure is SUS304 stainless steel or SUS316L stainless steel.
3. Combined Italian technology and confirm to Euro-standard.
4. Running stably, high efficiency.
5. Low energy consumption.
6. High heat transfer coefficient.
7. High evaporation intensity.
8. Short flow passing time and high operating elasticity.



多功能斩拌锅 Multifunctional Vacuum Chopper Mixer

用于斩拌，搅拌和乳化。
适用于奶酪、色拉酱、蛋黄酱、番茄酱、浓汤、酱料、肉类等
锅体：304不锈钢材质，容量5升。
真空泵：1.8立方米/小时
每批次产量：最大5升
刀具设计：
刀轴采用不锈钢材质
2把片刀
2把锯齿刀
刮刀的设计可以将粘留在罐体上的物料给带下来，并转移到缸体中间进行搅拌，无死角。
★刀具转速：0-3000rpm无级变速控制，变频器制动
夹层设计可用于通冷水和热水，包含温度探头和截止阀。
工作温度：-20℃到90℃。
配套小型冷热水供应系统
温度范围：2-95℃
温度稳定性：±0.3℃
显示分辨率：0.1℃
功率：5KW 380V 50HZ
外形尺寸：980×750×1400mm



Used for chopping, mixing and emulsifying.
Suitable for cheese, salad dressing, mayonnaise, ketchup, thick soup, sauce, meat, etc
Pot structure: 304 stainless steel, Volume: 5L.
Vacuum pump: 1.8m³/h
Capacity: max. 5 liters/batch
Cutter design:
The cutter shaft is made of stainless steel
2 piece knives
2 serrated knives
Scraper can scrape off the material attached to the tank and transfer it to the middle of the cylinder for stirring without dead angle.
Cutter speed: 0-3000rpm stepless speed change control, frequency converter braking
Pot interlayer can be fed with cold water or hot water, including temperature sensor and stop valve.
Operating temperature: -20℃~90℃.
Equipped with mini cold and hot water supply system
Temperature range: 2℃~95℃
Temperature stability: ±0.3℃
Display resolution: 0.1℃
Power: 5KW 380V 50HZ
Dimension is around: 980×750×1400mm

喷雾干燥机 Lab Scale Spray Dryer



设备应用：

微型喷雾干燥机主要适用于高校、研究所和食品医药化工企业实验室生产微量颗粒粉末，对所有溶液如乳浊液、悬浮液具有广谱适用性，适用于对热敏感性物的干燥如生物制品、生物农药、酶制剂等，因所喷出的物料只是在喷成雾状大小颗粒时才受到高温，故只是瞬间受热，能保持这些活性材料在干燥后仍维持其活性成份不受破坏。

Application:

Widely used in is widely used in the fields: beverage, spices, pigments, milk and egg products, plant and vegetable extracts, pharmaceuticals, synthetic thermal material, aromatic, blood products, pottery and superconductor biochemical products, adhesives, dyes and detergents, oxides, etc.



设备特点：

1. 主体结构为优质304不锈钢和316L不锈钢；
2. 独立控制系统，配有彩色人机界面触摸屏控制面板；
3. 在实验室中完全模拟工业生产的喷雾干燥机；
4. 操作者可在触摸屏上查看所有生产过程，所有参数可根据实际需要进行调整，如：进口温度、气流量、自动通针频率、蠕动泵速等；
5. 收集装置采用透明耐热硼硅酸盐玻璃制成，干燥过程不受污染，工作稳定；
6. 最小样品量50ml即可完成实验；
7. 干燥后的成品干粉，其颗粒度较均匀，95%以上的干粉在同一颗粒度范围；
8. 内置进口全无油空压机，喷粉的粒径呈正态分布，流动性非常好，而且噪音非常低，噪音小于60db。

FEATURES:

1. Main structure is high-quality SUS 304 and SUS 316L stainless steel.
2. Independent control system, equipped with touch screen control panel.
3. Completely simulate the industrial production spray dryer in the laboratory.
4. The operator can view all processing and all parameters can be adjusted depend on actual need on the touch screen, such as: speed of peristaltic pump, Inlet temperature of air, etc.
5. Collecting device is made by transparent heat-resistant borosilicate glass It can guarantee the drying process in no contamination and stable environment.
6. Only need 50ml of original material to complete an experiment.
7. SUS316L stainless steel fluid nozzle.
8. Built-in imported air compressor, noise less than 60db.



果汁/乳品中式生产线 Dairy & Fruit Juice Pilot Line



设备描述：

果汁/乳品复合中试生产线完全模拟了工业生产。可生产各种类型的市场产品，如果汁、果果蔬原浆、果汁饮料、全脂牛奶、脱脂牛奶和各种脂肪含量的标准化牛奶等。

我司提供的中试生产生产能力为：20L/H---1000L/H，可满足大中医院校、科研院所、企业及其研发部门研究产品工艺和教学使用的要求。最终产品包装可以为塑料袋、塑料杯、塑料瓶、玻璃瓶等。值得一提的是，根据最终产品和包装类型的不同，生产工艺也不尽不同，以具体设计为准。

Description:

The pilot line completely simulates the industrial production. It can produce several types of market products, i.e. fruit juice, fruit pulp and puree, juice beverage, whole milk, skimmed milk and standardized milk of various fat contents.

It is manufactured to meet the requirements of farms, small enterprise, universities, institutes, enterprises and their R&D department with production capacity of 20L/H---1000L/H. End product package can be plastic pouches, plastic cups, plastic bottles, glass bottles, etc. Worth mentioning, the production technology is designed differently depend on different end product and package type.



设备特点：

- 1.技术先进：整合欧洲设计技术，符合欧洲设计标准；
- 2.完全模拟工业生产，所有的实验参数都可以扩大到工业生产中；
- 3.生产线功能齐全，可以依据实际需求进行功能的删减和增加；
- 4.用途广泛：广泛用于大中医院校教学使用，同时用于新产品开发制作、新产品口感测试、产品配方研究、配方更新、产品颜色评定、货架期测试等
- 5.主体结构为优质304不锈钢和316L不锈钢；
- 6.独立控制系统，配有彩色人机界面触摸屏控制面板；
- 7.使用灵活，生产线关键设备可以独立使用，也可作为整条生产线的组成使用；
- 8.低产能设计：一次实验的原料需求量低。
- 9.独立西门子或欧姆龙控制系统。独立的控制面板、PLC和人机界面。

FEATURES:

- 1.Especially suitable for specialized household, farms and laboratories.
- 2.We can supply complete processing plants as well as single machines or single function to meet specific requirements.
- 3.Main structure is SUS 304 and SUS316L stainless steel.
- 4.Combined Italian technology and conform to Euro-standard.
- 5.Completely simulation of industrial production. All the experimental parameters can be enlarged to industrial production.
- 6.Multi-application: It can be not only used for teaching all production process for students, but also used for making sample, tasting test of new product, researching of product formulation, formula update, evaluation of product color, etc.
- 7.Flexible use in practice and key equipment independence: the key equipments can be used in the whole line also can be used independently.
- 8.Low production capacity design: save the consumption of raw material consumption at one batch.
- 9.Complete functions to meet your actual requirement.
- 10.Independent Siemens or Omron control system. Separate control panel, PLC and human machine interface.



德国STEPHAN 肉类鱼糜果酱解决方案



德国RONO 起酥油奶油解决方案



荷兰OMVE 乳品饮料冰激凌解决方案



法国 VMI 化妆品解决方案



Radial flow turbines

- Radial flow turbines
- Dissolution solids into liquids
- Dispersion solids into liquids
- Emulsion of non-miscible liquids (High-speed use)





国内客户 DOMESTIC PARTNERS



注：排名不分先后

国外客户 FOREIGN PARTNERS



Note: Rankings are not in order