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Guangzhou Zhixing Machinery Equipment Co.,Ltd



智能化生产
综合解决方案供应商

Intelligent production integrated solution provider

广州知行机械设备有限公司
GUANGZHOU ZHIXING MACHINERY EQUIPMENT CO.,LTD

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化妆品 Cosmetics | 制药 Pharmacy | 食品 Food | 化工行业 Chemical industry

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高效
Efficient

生产效率
提高30%
Increase production efficiency by 30%



智能
Intelligence

数字化生产
创新管理
Digital production
Innovation management



节能
Energy conservation

节约冷量60%
节约冷却水
Save cooling capacity 60%
save cooling water

整线智能化工厂综合解决方案

一站式智能应用

The whole line intelligent
factory integrated solution

ONE-STOP INTELLIGENT APPLICATION

COMPANY PROFILE
企业简介



广州知行机械设备有限公司前身为无锡红旗日化装备有限公司华南办事处。无锡红旗停止运营后，广州知行机械设备有限公司于2019年成立。公司坚持**智能、高效、节能**的产品理念，向低碳数字新时代全速前进，为日化机械设备行业创新发展不断创造新动力。

知行机械拥有一支数字化设计、智能化生产、智慧化服务的人才队伍，本着“以人为本”的经营理念，坚持以现场的需求为出发点落实到产品的设计。以先进的性能，优良的质量贴心的服务，赢得了广大客户的信任。

智于芯，工于形。知行机械一直致力于开发更智能化和更高效率的生产设备，以提高工厂的生产效率与产品品质，同时关注节能技术的应该，以降低生产成本，使客户生产在行业竞争中更具优势。

知行自主研发的智能化生产系统，可根据客户生产需求编制自动生产配方工艺，实时监控设备的运行状态，记录生产过程中的工艺信息，方便生产异常追溯，形成生产信息报表，辅助生产管理与决策。

Guangzhou Zhixing Machinery Equipment Co., Ltd. was formerly known as the South China Office of Wuxi Hongqi Daily Chemical Equipment Co., LTD. After Wuxi Red Flag ceased operations, Guangzhou Zhixing Machinery Equipment Co., Ltd. was established in 2019. The company adheres to the product concept of intelligent, efficient and energy-saving, and is moving forward at full speed to the new era of low-carbon digital, constantly creating new impetus for the innovation and development of the daily chemical machinery and equipment industry.

Zhixing Machinery has a digital design, intelligent production, intelligent service talent team, in line with the "people-oriented" business philosophy, adhere to the needs of the site as the starting point to implement the product design. With advanced performance, excellent quality and attentive service, we have won the trust of our customers.

Wisdom in the core, work in the form. Zhixing Machinery has been committed to the development of more intelligent and more efficient production equipment to improve the production efficiency and product quality of the factory, while paying attention to energy-saving technology should reduce production costs, so that customers have more advantages in the industry competition.

The intelligent production system independently developed by Zhixing can prepare the automatic production formula process according to the production needs of customers, monitor the operating status of the equipment in real time, record the process information in the production process, facilitate the abnormal tracing of production, form the production information report, and assist the production management and decision-making.

广州知行机械设备有限公司有专业的机械研发设计部、制造、安装化工机械设备产品的能力，有先进齐全的机械加工设备、高标准完善的设备检测能力。

多年来始终坚持以可靠的产品质量、完善周到的服务满足全球客户，主要市场分布中国及全球化妆品市场。目前，知行机械的产品已服务于芭薇股份、丹姿集团（及其印尼工厂）、植物医生，华狮，卓芬，诺斯贝尔，栋方股份（及其印尼工厂）等世界知名品牌和生产企业。

知行始终坚持智能、高效、节能的产品理念，为化妆品的生产提供最稳定的支持和保障。

Guangzhou Zhixing Machinery Equipment Co., Ltd. has a professional mechanical R & D and design department, manufacturing, installation of chemical machinery and equipment products, advanced and complete mechanical processing equipment, high standards and perfect equipment testing capabilities.

Over the years, we always adhere to the reliable product quality, perfect and thoughtful service to meet the global customers, the main market distribution in China and the global cosmetics market. At present, the products of Zhixing Machinery have served the world famous brands and production enterprises such as BAWEI Corporation, DANZ and its Indonesian factory, DR PLANT, Huashi, Zhuofen, NOX BELLCOW, Dongfang (and its Indonesian factory).

Zhixing always adheres to the product concept of intelligent, efficient and energy-saving, and provides the most stable support and guarantee for the production of cosmetics.









多年研发经验
YEARS OF RESEARCH AND DEVELOPMENT EXPERIENCE

知行机械建立至今，始终致力于乳化罐装技术研发与产品升级，不断推动行业发展。

Since its establishment, Zhixing Machinery has always been committed to the research and development of emulsion canning technology and product upgrading, and constantly promote the development of the industry.

多行业解决方案
MULTI-INDUSTRY SOLUTIONS

针对每一个不同行业，为您提供适合您的搅拌、混合、均质、乳化解决的方案。

For each distinct industry, we offer you the appropriate solutions for mixing, blending, homogenizing and emulsifying.

资深技术团队
SENIOR TECHNICAL TEAM

由设备专家组成的豪华技术团队，全心为您服务。

A luxury technical team composed of equipment experts, dedicated to your service.

全程式服务
FULL PROGRAM SERVICE

不仅提供量身定制的解决方案，而且为部署、维护以及人员培训提供全生命期的支持。

Not only provide tailored solutions, but also provide life-cycle support for deployment, maintenance, and personnel training.

CORPORATE CULTURE
企业文化

企业目标 Enterprise objective

诚信、专业、高效的产品供应商。
Integrity, professional, efficient product supplier.

客户信任的品牌供应商。
Brand supplier trusted by customers.

经营理念 Business philosophy

以客为本，信誉至上，服务优质，不断创新。
Customer-oriented, reputation first, service quality, continuous innovation.

服务宗旨 Service purpose

以客户的需求为先，提供客户满意的服务态度。
To customer needs first, to provide customer satisfaction service attitude.

RESEARCH AND DEVELOPMENT TECHNOLOGY
研发技术



以技术为先，打造领先行业的技术优势
Technology first, to create a leading industry technology advantage

HONORS

PRODUCT INTRODUCTION
产品介绍

乳化机概述 Emulsifying machine Overview

乳化机是日化、食品制药等行业常见的一种操作单元，用于将两种互不相溶的液体（其中之一几乎总是水，另一相为不相溶于水的“油”）转变成均匀分布的液分散体系（浮液）的设备。依据乳状液稳定性理论，要使形成的分散体系长期保持相对稳定状态，液滴应尽可能小，通常需要小于10um。知行机械所生产的乳化机都是基于这一原理设计，通过高速旋转的高剪切定转子系统及相应的刮壁搅拌系统所提供的机械能，使一相混入到另一相之中，通过粗液滴的变形和破裂，使粗液滴的直径不断减小以至最终完成均匀乳化的过程。

Emulsifying machine is a common operation unit in the daily chemical, food and pharmaceutical industries, which is used to convert two non-soluble liquids (one of which is almost always water, the other phase is insoluble in water "oil") into a uniform distribution of liquid dispersion system (float) equipment. According to the emulsion stability theory, in order to maintain a relatively stable state of the formed dispersion system for a long time, the wave droplets should be as small as possible, usually less than 10um. The emulsifying machines produced by Zhixing Machinery are designed based on this principle. Through the mechanical energy provided by the high-speed rotating high-shear fixed rotor system and the corresponding scraping and stirring system, one phase is mixed into another phase, and the diameter of the crude droplet is continuously reduced through the deformation and rupture of the crude droplet, and finally the uniform emulsification process is completed.

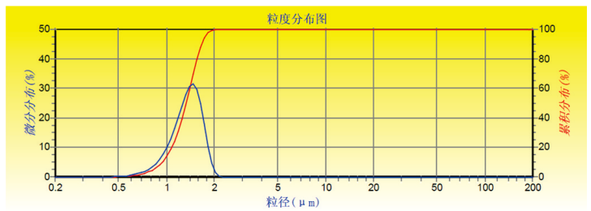
物料效果 Material effect

知行乳化机具有适用性强，生产产品细腻，均匀度高的优点，生产产口粒径能到2微米以下。

Zhixing emulsifying machine has the advantages of strong applicability, fine production products and high uniformity, and the diameter of the production mouth can be below 2 microns.





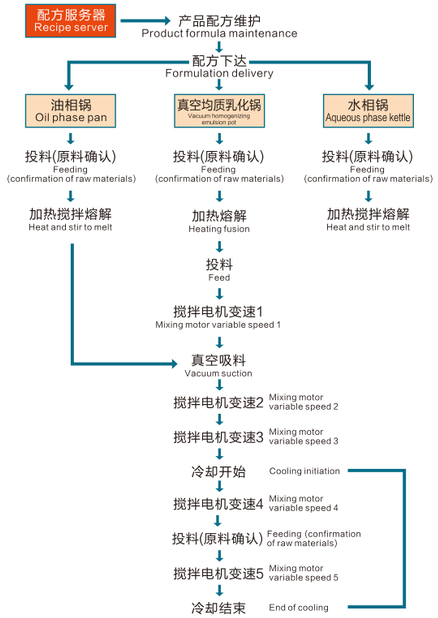


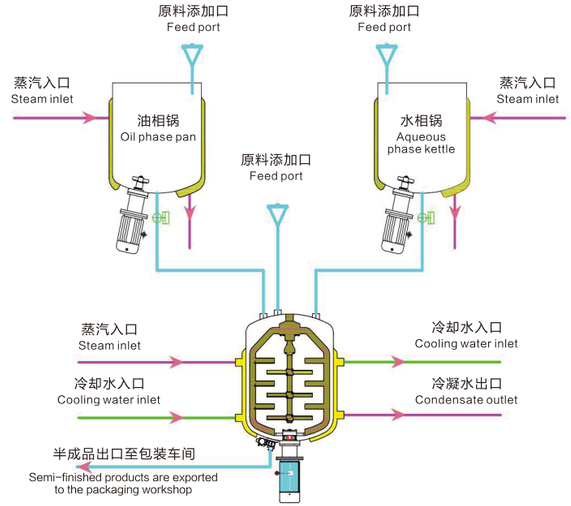
均质乳化机结构 Homogeneous emulsifying machine structure

知行机械均质乳化锅主要组成：高剪切/高散分均质机，锚式/框式（双向）/螺带搅拌系统，油相水相预溶锅，加热系统，冷却/冷冻系统，节能回收系统及（智能）生产控制系统组成。

Zhixing machinery homogenizing emulsification pot is mainly composed of: high shear and high dispersion homogenizing machine, anchor frame type (two-way)/ spiral belt stirring system, oil phase water phase pre-melting pot, heating system, cooling/freezing system, energy saving recovery system and (intelligent) production control system.

乳化机工作原理
Working principle of emulsifying machine

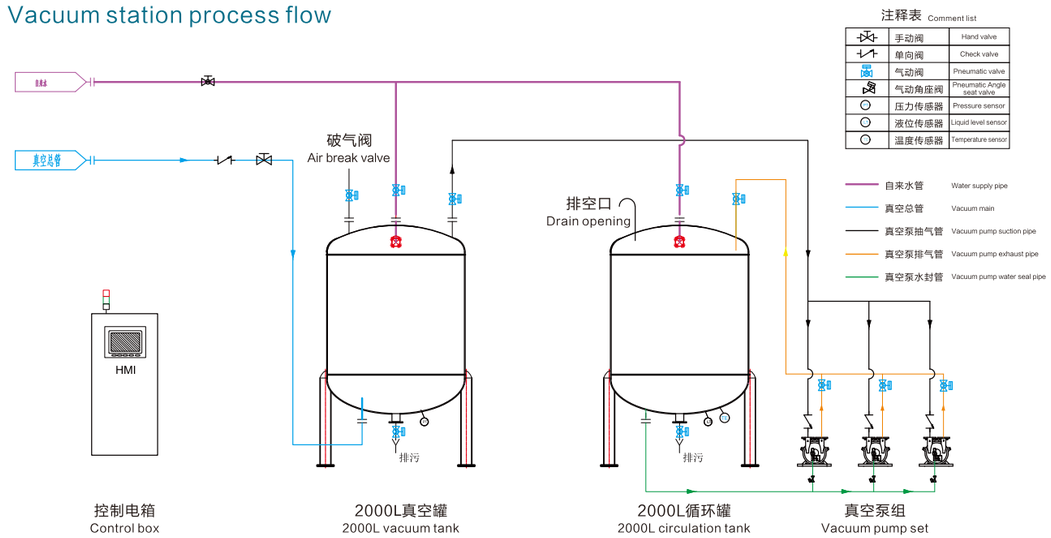




本设备可选配方服务器，用于维护产品生产配方，配方指导包括原料预秤，投料扫描确认，设备工艺参数自动下达及执行，所有过程控制一键下发防呆防错，混合过程数据自动存储等功能！

The equipment can choose the formula server for maintaining the product production formula, formula guidance including raw material pre-weighing, feeding scan confirmation, automatic delivery and execution of equipment process parameters, all process control one-key delivery of anti-error, automatic storage of mixing process data and other functions!

真空站工艺流程
Vacuum station process flow



KRHA

可倾式上均质乳化机

KRHA Vacuum emulsifying mixer



特点介绍 Characteristic introduction

- KRHA系统为上均质乳化锅，是采用国际先进技术研制开发的新型产品.外观设计和全方位刮壁搅拌均质结构，物料翻滚无死角，其均质机位于乳化锅中间，均质翻滚力度更强，产品均匀度更高，设备更便于清洁，锅体能倾倒出料。
- KRHA system is a homogenized emulsion pot, is a new product developed by international advanced technology, appearance design and all-round scraping and stirring homogeneous structure, material rolling without dead Angle, the homogenizer is located in the middle of the emulsion pot, homogeneous rolling strength is stronger, product uniformity is higher, the equipment is easier to clean, the pot can dump material.

用途 Use

生产各类软膏、药膏、化妆品膏霜、乳液、凝胶等其它乳化产品的必需设备;该机结构简单，操作方便，外观新颖，性能可靠。是制药、生物、化妆品化工、食品、石油等客户批量生产的理想选择。

Necessary equipment for the production of various kinds of ointments, ointments, cosmetic creams, lotions, gels and other emulsified products; The machine has the advantages of simple structure, convenient operation, novel appearance and reliable performance. It is the ideal choice for mass production of pharmaceutical, biological, cosmetics, chemical, food, oil and other customers.



技术参数 Technical parameter

规格型号 Type	主锅工作容积L Working volume	溶解锅工作容积L Full volume of dissolving pan	外形尺寸（长x宽x高） Dimension	总功率 Total power	重量（kg） Weight
50	35	30/30	2600x2300x2190~2900	6.35	980
70	50	30/40	2650x2380x2280~3000	7	1100
150	100	50/80	2900x2600x2240~3060	8.6	1700
200	150	70/120	3000x2800x2400~3300	10.3	2000
300	200	100/150	3200x3100x2430~3410	11.8	2300
400	300	150/250	3500x3200x2550~3690	14.2	2800
500	350	200/300	3650x3300x2600~3780	14.2	3100
650	500	250/400	3700x3360x2900~4150	22.75	3500
750	600	250/500	3900x3400*3200~4570	22.75	3900
1000	750	400/600	4600x4250x3400~4900	28.7	4800
1300	1000	400/800	4700x4360x3750~5350	36.6	6300
3000	2500	1000/2000	5200x4000x4890~6300	75	12500

KRH-II

外/内循环均质乳化机

KRH-II Vacuum emulsifying mixer



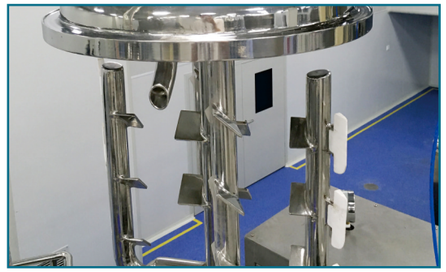
特点介绍 Characteristic introduction

- KRH-II系列均质分散力度更强，可以做内循环和外循环两种工艺，做粉底类产品效果更佳。乳化锅锅盖为自动升降式，翻转式锅体，便于出料、清洁和维修；生产过程中采用抽真空方式减少混合物料中的气泡，保证成品细腻光泽；均质器自带冷却系统的密封系统，可承受较长时间连续高速运转。
- KRH-II series homogeneous dispersion strength is stronger, can do internal circulation and external circulation of two processes, do foundation products better effect. The lid of the emulsifying pot is automatic lifting type and the flipping type pot body is convenient for discharging. Cleaning and maintenance; In the production process, the vacuum method is used to reduce the bubbles in the mixed materials to ensure the fine luster of the finished products; The sealing system of the homogenizer comes with its own cooling system, which can withstand continuous high-speed operation for a long time.

用途 Use

生产中、高端油包水化妆品产品。

Production of medium and high-end water-in-oil cosmetics products.





技术参数 Technical parameter

规格型号 Type	主锅工作容积L Working volume	溶解锅工作容积L Full volume of dissolving pan	外形尺寸（长x宽x高） Dimension	总功率 Total power	重量（kg） Weight
50	50	30/40	2350x2580x1850~2650	9.2	1150
100	100	50/80	2600x2650x2150~3050	13.8	1800
200	200	100/150	2710x2750x2330~3350	15.2	2400
300	300	150/250	2900x2850x2450~3500	16.2	2900
400	400	200/300	3100x3000x2550~3600	19.7	3300
500	500	250/400	3250x3100x2800~4000	20.2	3700
600	600	250/500	3470x3250x3000~4200	20.2	4000
1000	1000	400/800	3600x4260x3300~4500	39.1	6800
1500	1500	600/1200	3850x4500x3700~5200	33.5	8200
2000	2000	1000/1500	4000x4700x4200~5700	36	11000
3000	3000	1500/2200	4400x5200x4800~6300	55.7	13000
5000	5000	2500/4000	4800x6200x5500~7000	82.5	16000

KRH-I

内循环均质乳化机

KRH-I Vacuum emulsifying mixer



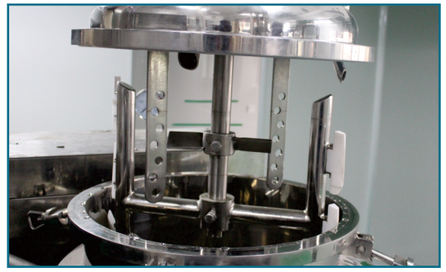
特点介绍 Characteristic introduction

- KRH-1系统乳化锅均质机可正反转，料体可以均质中心吸入从定子侧面喷出，也可以实现料体从定面吸入，形成两种内循环工艺，从而可以更好满足不同的生产工艺需求。主乳化锅锅盖为自动升降式，锅体为翻转可倾式，便于出料和清洁。
- KRH-I system emulsifying pot homogenizer can rotate positively and negatively, the material can be homogenized center suction from the side of the stator, but also can realize the material from the fixed surface suction, forming two kinds of internal circulation process, so as to better meet the needs of different production processes. The cover of the main emulsifying pot is automatically lifted, and the pot body is turned over and tilting, which is easy to discharge and clean.

用途 Use

生产中端、大众型膏类、蜜类化妆品。

Production of mid-end, mass type cream, honey cosmetics.





技术参数 Technical parameter

规格型号 Type	主锅工作容积L Working volume	溶解锅工作容积L Full volume of dissolving pan	外形尺寸（长x宽x高） Dimension	总功率 Total power	重量（kg） Weight
50	50	30/40	2350x2580x1850~2650	9.2	1150
100	100	50/80	2600x2650x2150~3050	13.8	1800
200	200	100/150	2710x2750x2330~3350	15.2	2400
300	300	150/250	2900x2850x2450~3500	16.2	2900
400	400	200/300	3100x3000x2550~3600	19.7	3300
500	500	250/400	3250x3100x2800~4000	20.2	3700
600	600	250/500	3470x3250x3000~4200	20.2	4000
1000	1000	400/800	3600x4260x3300~4500	39.1	6800
1500	1500	600/1200	3850x4500x3700~5200	33.5	8200
2000	2000	1000/1500	4000x4700x4200~5700	36	11000
3000	3000	1500/2200	4400x5200x4800~6300	55.7	13000
5000	5000	2500/4000	4800x6200x5500~7000	82.5	16000

XRH

小型真空均质乳化机

XRH Vacuum emulsifying mixer



特点介绍 Characteristic introduction

- XRH型小型真空均质乳化机是采用国际先进技术研制的实验室专用设备。是化妆品药厂生产厂商各种膏类、蜜类化妆品必不可少的实验设备。结构紧凑、功能齐全、质量可靠。
- XRH type small vacuum homogenizing emulsifier is a laboratory special equipment developed by international advanced technology. It is an indispensable experimental equipment for cosmetic pharmaceutical manufacturers of various paste and honey cosmetics. Compact structure, complete functions, reliable quality.

用途 Use

生产各类膏类、蜜类化妆品。

Produce all kinds of cream, honey cosmetics.





技术参数 Technical parameter

型号 Type	工作容积L Working volume	搅拌功率W Stirring power	均质 Homogenizer power	真空泵 Vacuum pump	液压泵 Hydraulic pumps	锅盖升降高度 Height	外形尺寸（长x宽x高） Dimension	重量（kg） Weight
XRH5	5	0.37	0.55	0.18	0.37	230	1260x540x1600~1830	310
XRH10	10	0.37	0.55	0.18	0.37	230	1280x560x1600~1920	360

XP

香水制造机
XP Perfume mixer



特点介绍 Characteristic introduction

- XP型香水制造机在常压低温下进行混合、醇化、稳定、澄清、过滤等。设备由香水制造锅，冷冻机组，空气隔膜泵，管道系统，过滤装置等组合而成。物料管采用卫生级管件阀门，清洗容易。
- The XP perfume making machine mixes, alcoholizes, stabilizes, clarifies, filters and so on at normal pressure and low temperature. The equipment is composed of perfume manufacturing pot, refrigeration unit, air diaphragm pump, pipeline system filtration device and so on. The material pipe adopts sanitary pipe fitting valve, easy to clean.

用途 Use

生产各种香水类产品。

Produce a variety of perfume products.



技术参数 Technical parameter

冷却锅工作容积 Working volume cooling vesse	200/300/500/100	L
设定温控氛围 Range of temperature control setting	-5~+5	°C
气源压力 Air source pressure	0.6	Mpa
电源 Power	Ac380	V

GX

行星搅拌机
GX Planetary mixer



特点介绍 Characteristic introduction

- GX型行星搅拌机，锅内螺带式搅拌桨，自转的同时围绕锅壁公转，使得物料上下及向四周流动，从而延长物料混合时间，混合效果突出。搅拌桨的公转、自转和刮壁搅拌器均采用变频调速。锅口法兰采用O型圈密封，生产过程中可采用抽真空方式减少混合物料中的气泡。根据工艺的不同，可选配不同的搅拌形式，量身定制。
- GX type planetary mixer, belt type stirring paddle in the pot, rotates around the wall of the pot while rotating, making the material flow up and down and around, thus extending the mixing time of the material, and the mixing effect is outstanding. The revolution, rotation and wall scraping agitators of the mixing paddle are regulated by frequency conversion. The flange of the pot mouth is sealed with O-ring, and the air bubbles in the mixed materials can be reduced by vacuuming during production. According to the different process, different mixing forms can be selected and customized.



用途 Use

生产粉类、膏类。

Production of powder, paste.

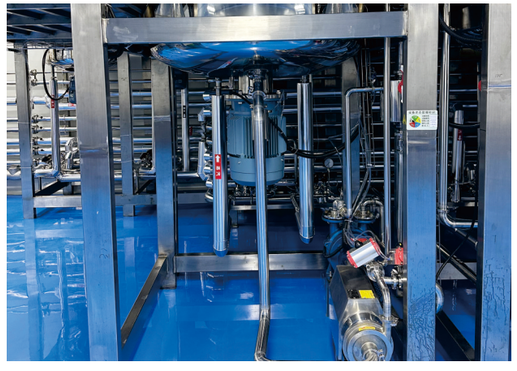


整体式工程 Integral engineering






管道系统工程 Pipeline system engineering




纯水设备 Water purification equipment

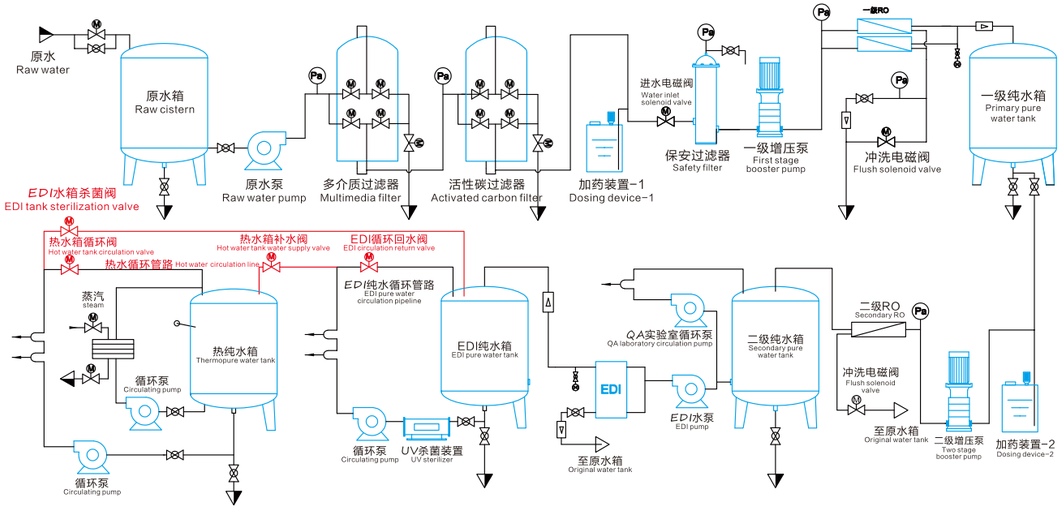







调速 Speed regulation
清洗系统 Cleaning system
消毒灭菌 Disinfection and sterilization
食品级 Food grade
制药级 Pharmaceutical grade
防爆 Anti-explosion

纯水设备系统图 Pure water equipment system diagram



不锈钢储罐 Stainless steel storage tank

移动式储罐
Movable storge tank





移动加热搅拌罐
Move the heat mixing tank







配套产品 Supporting product

可移动均质/搅拌机
Movable homogenizer/mixer

- 适用于两种或多种液体和粉状物料乳化，分散。
- 可移动，操作方便，运行平稳。

- Suitable for emulsification and dispersion of two or more liquid and powder materials.
- Movable, easy to operate, smooth running.



不锈钢单/双门烘箱 Stainless steel single/double door oven







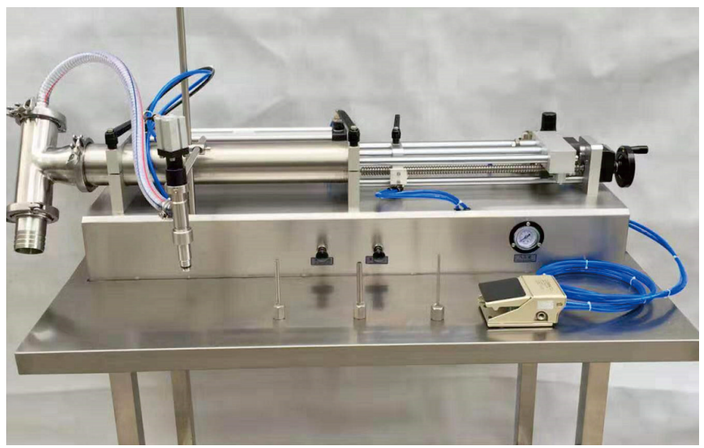






半自动灌装机 Semi-automatic filling machine





- 立/卧式灌装机：药品食品及标准结构稳定，灌装精度高，使用方便。
- Vertical/horizontal filling machine: pharmaceutical food and standard structure is stable, high precision, easy to use.

多头自动灌装机 Multi-head automatic filling machine

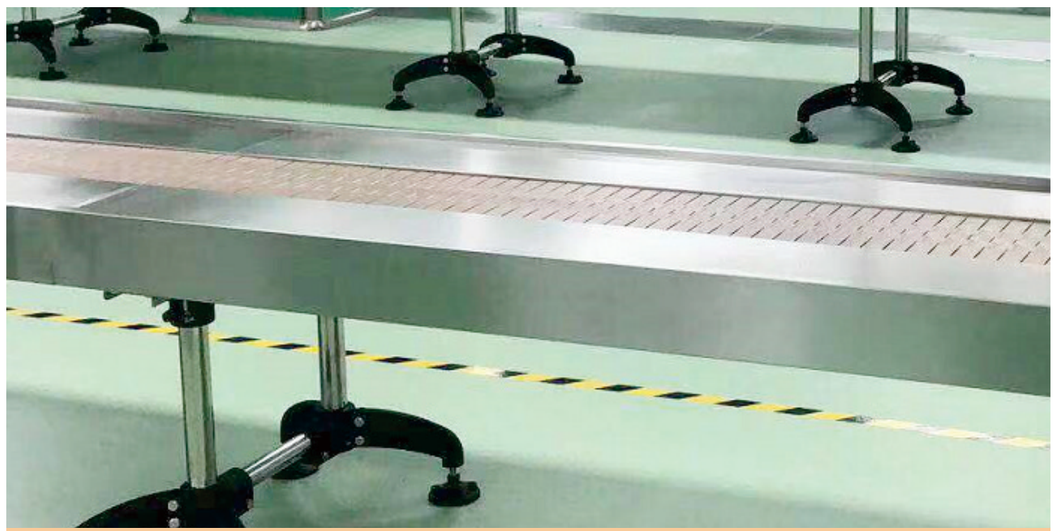


二头自动灌装机 Two head automatic filling machine

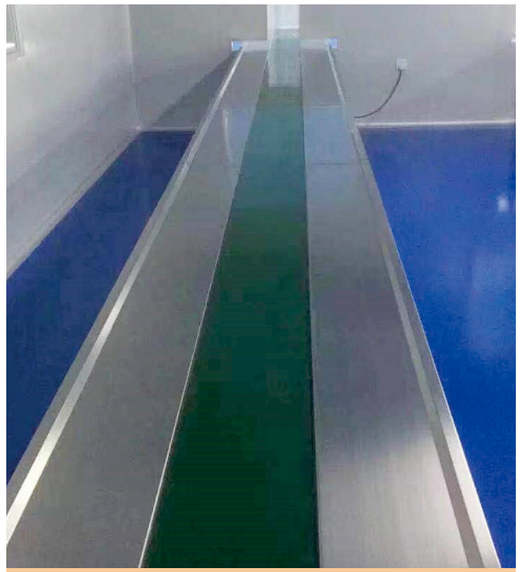


四头自动灌装机 Four head automatic filling machine

不锈钢流水线 Stainless steel pipeline



SUS304不锈钢PVC链板线 SUS304 stainless steel PVC chain plate wire



SUS304不锈钢皮带流水线 SUS304 stainless steel belt line



钢化玻璃PVC链板线 Tempered glass PVC chain plate wire

设备介绍 Equipment introduction



整体结构介绍
Overall structure introduction

- 双向独立搅拌工艺
- 可正反转均质机
- 自动化生产控制系统
- 独立CIP清洗系统
- 不锈钢防水平台（进口花纹板）

- Two-way independent mixing process
- Reversible homogenizer
- Automated production control system
- Independent CIP cleaning system
- Stainless steel waterproof platform (imported pattern plate)



搅拌系统
Mixing system

- 框式搅拌桨（双向搅拌/上均质搅拌）
  锚式搅拌桨（下均质单向搅拌）
- 圆管框架，无清洗死角
- 框桨与中心桨可分别设定搅拌速度
- 桨叶，搅拌桨与锅盖连接处加强
  不变形锚式桨定桨可灵活拆装

- Frame impeller (two-way mixing/upper homogeneous mixing)
  Anchor type paddle (lower homogeneous unidirectional mixing)
- Round tube frame, no cleaning dead Angle
- The mixing speed can be set separately with the frame paddle and the center paddle
- The connection between blade, stirring paddle and pot cover is strengthened without deformation. Anchor paddle can be flexibly disassembled and installed





下均质机
Lower homogenizer

- 可以实现正转和反转功能，物料可以从均质定子侧面吸入工作腔内经转子高速剪切后从定子顶部喷射出来形成内循环。也可以实现物料从均质定子顶部吸入工作腔内经转子高速剪切后从定子侧面喷射出来形成内循环。可以更好的满足不同的生产工艺需求。

- It can realize the function of forward rotation and reverse rotation, and the material can be sucked into the working chamber from the side of the homogeneous stator through high-speed shear of the rotor and sprayed out from the top of the stator to form an internal circulation. It can also realize that the material is sucked into the working chamber from the top of the homogeneous stator and sprayed out from the side of the stator after high-speed shear of the rotor to form an internal circulation. Can better meet the needs of different production processes.

设备介绍 Equipment introduction



CIP系统
CIP system

独立的清洗泵，根据设定好的运行程序进行清洗

- 独立清洗泵可通过锅内水循环清洗，节约用水
- 配合均质使用，往上喷洒，可以实现桨吓朝下部分清洗，有效保证清洗效果
- 工艺模块化（客户自己设定）

Independent cleaning pump, cleaning according to the set operating program

- The independent cleaning pump can be cleaned through the water circulation in the pot, saving water
- With homogeneous use, spray up, can achieve the paddle scare down part cleaning, effectively ensure the cleaning effect
- Process modularization (customer set)



操作系统
Operating system

- 采用工控电脑代替传统触摸屏，功能更强，可延展性更强。立柱用80*80*3不锈钢立柱，符合卫生要求，结构更坚固。360度摆臂+360度转向，操作更方便。

- Industrial computer instead of the traditional touch screen, more powerful, more malleable. The column uses 80*80*3 stainless steel column, which meets the health requirements and has a stronger structure. 360 degree swing arm +360 degree steering, more convenient operation.

- 手动生产和自动生产两种模式：
  1、工艺模块化：加热，冷却，清洗一键可完成设备的工艺过程；
  2、界面清晰，简单易于操作。

- Manual production and automatic production two modes: 1, process modularization: heating, cooling, cleaning can complete the process of the equipment; 2, the interface is clear, simple and easy to operate.

- 自动生产模块：
  1、根据生产工艺设定好自动生产程序，系统根据设定的生动生产工艺完成设定的设备操作，人员只需简单进行确认和确定一下步工序；
  2、自动生产工序可储存在工的工控机电脑，调用简单快捷。

- Automatic production module:
  1, according to the production process set up automatic production procedures, the system according to the set vivid production process to complete the set equipment operation, personnel only need to simply confirm and determine the step;
  2, the automatic production process can be stored in the industrial computer computer, simple and quick call

节能工艺
Energy-saving technology

- 加热工序完成后进行冷却工序前自动进行夹套排气，可带走夹套内剩余蒸汽，提高冷却效率。

- After the heating process is completed, the jacket is automatically vented before the cooling process, which can take away the remaining steam in the jacket to improve the cooling efficiency.

- 冷却工序完成后自动进行夹套排，将冷却水回收至冷水系统保温水罐，减少水源浪费。

- After the completion of the cooling process, the jacket is automatically discharged, and the cooling water is recycled to the cooling water system insulation water tank to reduce water waste.

INTEGRATED SOLUTION
综合解决方案

化妆品行业轻量级MES解决方案 Lightweight MES solutions for the cosmetics industry

系统架构/功能
System architecture/functionality



服务器 Server

- 服务器 Ubuntu 22.04
- 数据库 SQL Server 2022
- 系统架构 Browser/Server

- Server Ubuntu 22.04
- Database SQL Server 2022
- System architecture Browser/Server



客户端 Client

- 原料管理
- 配方管理
- 订单管理
- 批次管理
- 报表查询

- Raw material management
- Formula management
- Order management
- Batch management
- Report query

以太网 Ethernet



称料站 Weighing station

- 批次启动
- 称料（扫描校对原料和重量）
- 标签打印

- Batch start
- Weighing material (scanning check material and weight)
- Label printing

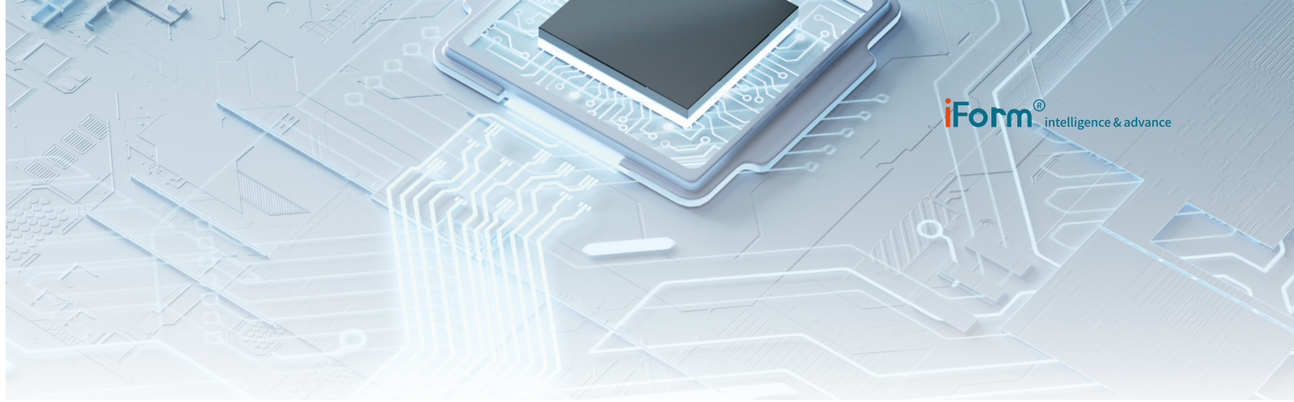


混料站 Mixing station

- 批次启动
- 投料（校对原料和重量）
- 混料（按配方执行）
- 记录批次过程数据

- Batch start
- Feed (check material and weight)
- Mix (according to formula)
- Record batch process data

账号多级可配置权限管理，用户数量无限制。
Multi-level rights management can be configured for accounts, and the number of users is unlimited.



包装车间解决方案 Packaging workshop solutions

系统架构/功能
System architecture/functionality



服务器 Server

- 数据库（SQL server 2022）
- 服务器软件（B/S）

- Database (SQL server 2022)
- Server Software (B/S)

以太网 Ethernet

产品包装追溯 Product packaging traceability

- 激光打码防错
- 产品码采集
- 打印箱标签

- Laser coding error proof
- Product code acquisition
- Print box label



码垛打标站 Palletizing marking station

- 箱标签采集
- 垛标签打印

- Case label collection
- Palletizing label printing





精准出仓站 Exit the warehouse station accurately

- 校对卡板标签及货柜

- Proofread card labels and containers



ENGINEERING CASE
工程案例































FULL LINE AUTOMATION ADVANTAGE
整线自动化优势

降本增效 提升竞争力
Reduce costs and increase efficiency to enhance competitiveness

减少人工 Reduce labor
机器代替人工，批量生产，有效解决企业招人难，用人难的问题。

Machines instead of workers, mass production, effectively solve the problem that enterprises are difficult to recruit and employ people.

节约场地 Space saving
合理规划场地，解决场地狭小及充分利用场地使用问题。

Reasonable planning of the site, to solve the problem of small site and make full use of the site.

提升效率 Increase efficiency
全天24小时工作，全程可控，提高生产效率，加快交货周期。

Work 24 hours a day, the whole process is controllable, improve production efficiency, speed up delivery cycle.

品质保障 Quality assurance
全程标准化作业，流程、品质统一，产品品质有保障。

The whole process is standardized, the process and quality are unified, and the product quality is guaranteed.

安全保障 Safety guarantee
机器代替人工，减少工人与设备的直接接触，确保生产安全。

The machine replaces the manual, reduces the direct contact between workers and equipment, and ensures the safety of production.

提升竞争力 Enhance competitiveness
提高企业生产效益，降低企业综合成本，提升企业的市场竞争力。

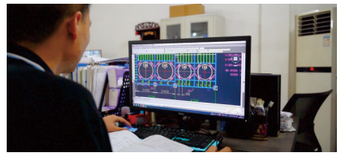
Improve the production efficiency of enterprises, reduce the comprehensive cost of enterprises, and enhance the market competitiveness of enterprises.

PRODUCTION PROCESS
生产流程

设计 Design

知行机械拥有一支经验丰富的技术团队，专业的工程技术人员会依据客户的不同需求而做出合理的选型推荐，并为特殊的需求提供量身定制的设计。合理的选型可以提高客户的生产效率和产品品质。

Zhixing Machinery has an experienced technical team, professional engineers and technicians will make reasonable selection recommendations according to the different needs of customers, and provide tailored design for special needs. Reasonable selection can improve the production efficiency and product quality of customers.







制造 Manufacture

知行机械的品质管理始于原材料入库验收，只有验收合格的原材料才会进入切削、成型、焊接和抛光等工序。自动化的高精度制造设备可确保所产零件的性自源可互换性。

高品质的零部件将由我们的组装工程师使用精密的工具，按照图纸和技术要求来组装并调试。每一套设备的组装我们都认真对待。

The quality management of Zhixing machinery begins with the acceptance of raw materials, and only the accepted raw materials will enter the cutting, forming, welding and polishing processes. Automated, high-precision manufacturing equipment ensures the interchangeability of the parts produced.
High quality parts will be assembled and adjusted by our assembly engineers using sophisticated tools in accordance with drawings and technical requirements. We take the assembly of every piece of equipment seriously.







质检 Quality inspection

设备出厂前的全机检验至关重要。最有经验的专业工程师会依据技术要求对设备的内外表面和各项性能参数进行仔细核对和测试，只有通过了全部质检流程并全部合格的设备才会最终交付到客户手中。

The whole machine inspection of the equipment before leaving the factory is very important. The most experienced professional engineers will carefully check and test the internal and external surfaces and various performance parameters of the equipment according to the technical requirements. Only the equipment that has passed the entire quality inspection process and all qualified will be finally delivered to the customer.



分贝 Sound Level meter



超声波测厚 Ultrasonic thickness gauge



管道内窥镜 Pipeline endoscope



粗糙度 Surace roughness tester



红外测温 Laser thermometer



电导率 Conductivity meter



PERFORMANCE PLEDGE
服务承诺

个性化定制各类化妆品生产线机械设备
Personalized customization of all kinds of cosmetics production line machinery and equipment

2H 2小时内做出反应
We have two hours to respond

12H 12小时赶赴买方现场
12 hours to the buyer's site

24H 24小时售后服务
24 hours after-sales service

专业解答客户咨询	分析客户工艺需求	量身定制解决方案	项目经理全程跟踪	售后服务及时响应	现场安装安全调试	严格检验准时发货
Professional answer to customer inquiries	Analyze customer Process requirement	Tailored solutions	The project manager tracks the whole process	After-sales service Timely response	Field installation Safety debugging	Strict inspection on time delivery

COOPERATIVE BRAND
合作品牌

知行机械拥有数百个为用户提供解决方案和乳化混合设备的案例，为这些行业提供精良的乳化机、均质机、不锈钢搅拌罐、灌装机等设备。我们在生物、医药、食品、日化、精细化工、石油化工等几大行业数十个细分行业中，根据客户的工艺流程、物料配方设计高效、合理的方案；同时，我们还在熟悉用户工艺流程的基础上，根据知行机械的产品优势帮助用户优化流程，得到更好的产品和更高的效率。

Zhixing Machinery has hundreds of cases to provide users with solutions and emulsifying mixing equipment, for these industries to provide sophisticated emulsifying machine, homogenizer, stainless steel mixing tank, filling machine and other equipment. We in biology, medicine, food, daily chemical, fine chemical, petrochemical and other major industries in dozens of sub-sectors, according to the customer's process flow, material formula design efficient and reasonable solutions; At the same time, we are also familiar with the user process on the basis of the product advantages of Zhixing machinery to help users optimize the process, get better products and higher efficiency.

Key production material 重点生产物料



