



持 / 续 / 为 / 用 / 户 / 创 / 造 / 价 / 值 /
Continue to create value for users

全 自 动 洗 染 综 合 解 决 方 案 服 务 商
服 装 洗 染 设 备 的 源 头 厂 家
Integrated solution service provider for automatic washing
Source manufacturer of garment washing equipment

上海力颖机械有限公司
Shanghai Liying Machinery Co., Ltd

大容量智能高速洗脱一体机系列

Large Capacity High-speed spin-cycle washing machine

力颖高速脱水洗涤一体机，是根据传统水面临四高难题（高能耗、高耗水、高污染、高劳动强度）面临产业工人逐年减少的情况下而研发的。

基于洗水自动化工艺与成套设备，尽可能降低浴比，让其显著降低水耗，减少废水排放量，采用中水回用工艺，去掉中间脱水环节从而大大减轻人工劳动强度，提高操作的安全性和简便程度，减少了工人的使用量使洗水行业变的简单、高效、环保。



Large Capacity High-speed spin-cycle washing machine, according to the traditional garment washing facing four high problems (high energy consumption, high water consumption, high pollution, high labour intensity) in the face of the reduction of industrial workers year by year. Based on the automated process and complete sets of equipment for garment washing, the liquor ratio is reduced as much as possible, allowing it to significantly lower water consumption and reduce the high volume of wastewater discharge. The use of water reuse technology, the elimination of intermediate dewatering links, thus greatly reducing manual labour intensity, improve the safety and simplicity of operation, reduce the use of workers to make the denim washing industry, simple, efficient and environmentally friendly.

主要特点 | MAIN FEATURES

节能减排

Energy saving and emission reduction

低浴比（1:2-1:8），减少排放80%，自动精准加化工，节约化工原料达到国家提倡的环保要求。

Low liquor ratio (1:2-1:8), reduce emissions by 80%. Reach the environmental protection requirements advocated by the international community, automatic and accurate addition of chemicals;

高速脱水

High-speed spin-cycle

水洗直接脱水，缩短中间环节，省人工不需要脱水工，具可调转数，转数最高可达580转。优化车间环境干净整洁。

Water washing and integrated with high-speed centrifugal dehydration, shortens intermediate links. High rotational speeds, extremely low water content in garments, up to 580 rpm, automatic tilt unloading, optimize the workshop environment to be clean and tidy.

智能水洗程序

Intelligent washing program

水洗过程智能化，可灵活编辑各个步骤流程，设置各工艺的水洗参数；可以实现自动运行整套洗水工艺，可以确保每批次产品的稳定性和一致性。

Intelligent washing process, flexible editing of each step of the process, set the washing parameters of each process. Automatic operation of the complete washing process ensures the stability and consistency of each batch.

经久耐用 安全可靠

Durable, safe and reliable

国内首家采用气囊+液压阻尼器构成的避振系统，进口气囊寿命长，运行平稳噪声小，可实现变速调节，适用于各种洗涤环境。

The first vibration avoidance system in China which is composed of airbag and hydraulic damper. Long life of imported airbags, with smooth operation, low noise, safety and reliability. Variable speed adjustment can be achieved, suitable for a variety of washing environments.

完美的机械设计

Perfect mechanical design

设备内笼配有特殊设计的机械结构，可有效提高衣物和水在机器内部的充分搅拌，使其更加均匀，渗透性更好。

The inner cage of the machine is equipped with specially designed mechanical structure, which can effectively improve the full mixing of clothes and water inside the machine and make it more uniform.

自动倾斜倒料

Automatic tilting unloading

设备配有自动倾斜出料功能，出货方便，劳动强度降低，不易沾污。

Automatic tilting unloading: the equipment is equipped with automatic tilting unloading function, which is convenient for shipment, reduces labour intensity and is not easy to be stained.

自动加药系统

Automatic dosing system

具有自清洁进水控制，多功能加药系统，自动精准加药，自动搅拌。

With self-cleaning water inlet control, multi-functional dosing system, automatic and accurate dosing, automatic mixing.

自动化程度高 High degree of automation

全自动洗涤智能操作系统,可灵活编辑各步流程时间及工艺参数,多组配方记忆功能,可编辑、存储、读取所需流程工艺,精准,控制水位,温度,转数无需人员干预,实现一人多机操作管理。

Full-automatic washing intelligent operating system, can flexibly edit the time of each step of the process and process parameters, multi-group formula memory function. It can edit, store and read the required process technology, and accurately control the water level, temperature and speed. No need for manual intervention,realising one person multi- machine operation.

操作简便 Easy to operate

人性化的触摸屏电脑控制器,提供手动、自动和半自动三种控制方式,操作灵活方便,触摸屏电脑程序升级更便捷。

Humanized touch screen computer controller provides manual, automatic and semi-automatic three control modes, flexible and convenient operation. Touch screen computer program upgrade is more convenient.

效率高 High efficiency

高效双路进水、双路排水,进水可接清水,循环水,排水可接污水池,洗水池,程序设计分水装置系统,实现了快速洗涤和水的回用功能。

High efficiency, high-efficiency dualchannel water intake, drainage, programme design water distribution device system, can be quickly washed and has the water reuse function.

灵活升级配置 Flexible upgrade configuration

选配加药桶,加药装置及洗脱机仓[门可选喷嘴喷雾机构,实现喷雾水洗工艺。及臭氧工艺配置。

预装通讯接口,可连接智能工厂的ERP控制系统,实现远程监控管理。

With optional dosing tank, dosing device and optional nozzle spray mechanism for washing machine barn door, realizing spray water washing process; and ozone process configuration.pre-installed communication interface, can be connected to ERP control system of intelligent factory, realizing remote monitoring and management.

技术参数 | TECHNICAL PARAMETER (仅供参考,以产品实际为准)
 Product parameters are for reference only, please refer to the actual product.

设备参数 Equipment parameters	XRQ-250T	XRQ-400T
设备功率 Equipment power	30KW	45KW
电源电压 Power supply voltage	380V/50Hz	380V/50Hz
控制系统 Control system	PLC+触摸屏电脑控制 Touch screen computer control	PLC+触摸屏电脑控制 Touch screen computer control
压缩空气 Compressed air	0.4~0.6Mpa	0.6Mpa
蒸汽压力 Steam pressure	0.4~0.6Mpa	0.4-0.6Mpa
装机容量 Installed capacity	2.5m ³	4m ³
洗货浴比 Liquor ratio	1:2~1:8	1:2~1:8
高脱转速 Adjustable speed	1~580RPM	1~500RPM
前倾角度 Forward tilt angle	14°	14°
进水管径 Inlet pipe diameter	DN65	DN65
蒸汽管径 Steam pipe diameter	DN40	DN40
气管管径 Tracheal diameter	φ12	φ12
整机重量 Whole machine weight	7800kg	12000kg
设备尺寸 Equipment dimensions	W:2320*D:2756*H:2468	W:3150*D:2704*H:2950
转筒尺寸 Drum size	φ1600*1200	φ1900*1400

价值对比 | VALUE COMPARISON

优势对比 Comparison of strengths	力颖高速洗脱机 Comparison of strengths LiYing High Speed Washing Machine	传统卧式机 Traditional horizontal machines	其它立式洗衣机 Other vertical washing machines
自动进出料 Automatic unloading	自动进出料省人工, 省时间, 减少人工劳动强度 Automatic unloading saves labour and time. Reduces worker labour intensity	人工捞缸, 劳动强度大, 费时间, 产业工人难招 Requiring manual unloading of clothes from the hydro-extractor. Labour intensive, time consuming and difficult to recruit workers.	无进料功能 No automatic unloading function
高效率 High efficiency	自动化程度高, 可编辑水洗流程, 无需人员操作。双路进水, 双路排水, 速度提升50% Highly automated, programmable washing process, no personnel required. Double inlet and double drainage for 50% speed increase	效率低下, 待机时间长, 人工干预操作烦琐 Inefficient, long standby times, manual intervention and cumbersome operation	单进水单排水 效率相对较低 Single inlet, single drain, relatively low efficiency
降低返修率 Reduced rework rates	精准水位、温度、运行、加药、脱水等都是自动化, 无需人员干预; 减少缸差, 降低返修率。 Precise water level, temperature, operation, dosing and high speed centrifugal dehydration are all automated, requiring no human intervention, reducing dyelot chromatism and reducing rework rates.	人工干预, 有缸差 Manual intervention with dyelot chromatism.	人工脱水, 人工加药 Manual dehydration and manual dosing
节省化工 Save Chemicals	配备加药装置, 自动化加药, 精度高, 无需人员干预, 避免了人为浪费; (可直接加粉剂) Equipped with dosing device, automatic dosing, high precision, no need for personnel intervention, avoiding human waste (powder can be added directly)	人工称料 Manual weighing	人工称料 Manual weighing
省水 Save water	低浴比1:2-1:8; 可分水50%处理直接回用; Low liquor ratio of 1:2-1:8, 50% of the water can be used directly for recycling	传统浴比 1:18 Traditional liquor ratio 1:18	无分水功能, 不能做中水回用 No water reuse
高速脱水 High speed centrifugal dehydration	脱水率与传统离心脱水没有区别, 最高可达580转。 Garments are extracted here with no difference to conventional centrifugal dewatering, up to 580 rpm	需要人工脱水, 产业工人难招 Manual operation is required and workers are difficult to recruit.	需要人工脱水, 产业工人难招 Manual operation is required and workers are difficult to recruit
工作环境 Working environment	干净整洁, 无积水, 环境美, 员工有一个良好的工作环境。 Clean and tidy, no standing water, a good working environment for staff	带水工作, 地面有积水 Working with water, standing water on the ground.	无脱干功能, 地面有积水 Working with water, standing water on the ground

智能立式水洗机

Intelligent vertical washing machine

力颖立式智能洗衣机:传统行业的四高难题(高能耗,高耗水、高污染、高劳动强度)及产业工人难招,传统设备是人工加料且化工用量大,对版次数多,人工效率低!

传统机器运转状态不稳定(转速不稳定,温度不准,不恒温。水位不准),因此大批量生产无法做到标准统一,力颖的大容量立式洗衣机解决了大批量标准化生产并能自动进出料,捞缸问题得到解决,减少人工劳动强度。

可编辑设定每道洗水工艺,转速。药液自动循环使织物充分上色,降低浴比,省化工。该机简单易学,降低工人技术难度,自动,半自动,手动可自由切换。



LiYing Vertical Intelligent Laundry Machine: The four high problems of the traditional garment industry (high energy consumption, high water consumption, high pollution, high labour intensity) and industrial workers are difficult to recruit, the traditional equipment is manually feeding and chemical dosage, the need for many times on the sample version, artificial efficiency is low!

The traditional washing machine running state is not stable (speed is not stable, inaccurate temperature, not constant temperature, water level is not accurate), so the mass production cannot do the standard unity. Liying's large-capacity vertical washing machine solves the problem of large-volume standardised production and automatic loading and unloading, and the problem of manual loading is solved, which reduces the intensity of manual labour.

Each washing process and speed can be edited and set. The automatic circulation of liquid makes the fabric fully coloured, reduces the liquor ratio and saves chemical. The machine is simple and easy to learn, reduce the technical difficulty of workers, automatic, semi-automatic, manual can be freely switched.

主要特点 | MAIN FEATURES

自动化程度高 High degree of automation

自动加水、排水、升温、加料、水位温度控制,精度高效率提升50%,无需人员干预。

Automatic water filling, draining, warming, dosing, water temperature control, high precision, efficiency increase of 50%, without personnel intervention.

自动加助剂 Automatic additive addition

16种助剂任意选择满足所有水洗需求,精度高,加助剂速度快,水洗质量有保障。

16 kinds of additives to meet all the needs of the wash demand, high precision, add additives fast, wash quality is guaranteed.

自动出货 Automatic unloading

大开口设计满足所有大货,减少人工70%,效率提高50%。配备自动倾斜出料功能,降低劳动强度,提高生产效率。

Meet mass production, reduce labour by 70% efficiency, increase by 50%. Equipped with automatic tilting unloading function, reducing labour intensity and improving production efficiency.

可编辑水洗流程 Editable washing process

水洗过程智能化,无需人员操作,系统内置监控检测功能。根据要求可任意编辑洗水流程,保证衣物统一性,稳定性;

The washing process is intelligent, without personnel operation, and the system has built-in monitoring and detection function. The washing process can be edited according to the requirements to ensure the uniformity and stability of the clothes.

合理布局 Reasonable layout

进汽、进水、排水管道，合理布局、确保车间整洁，可升级中水回用。

Steam intake, water intake, drainage, piping are reasonable layout; to ensure that the workshop is clean, can be upgraded water reuse system.

省水 Save water

内外胆间距3.5厘米，比传统7厘米缩小一半，低浴比(1:2-1:8)自动循环使织物充分.上色少水。

Inner and outer drum spacing of 3.5 cm, half the size of the conventional 7 cm, low liquor ratio (1:2-1:8), Automatic cycle to color the fabric.

质量稳定 Stable quality

转速检测确保每台转速一致，水洗质量稳定。水温、水位稳定。

Rotation speed detection ensures that the rotation speed of each machine is consistent and the washing quality is stable. Stable water temperature and water level.

可换代升级 Can be upgraded

后期可升级为人机互联，远程操控。可选择臭氧工艺，门喷淋系统! 使牛仔洗水 更简单，更环保。

Later, it can be upgraded to human-machine interconnection and remote control optional ozone process, spray system! Making denim washing easier and more environmentally friendly.

技术参数 | TECHNICAL PARAMETER (仅供参考，以产品实际为准)
Product parameters are for reference only, please refer to the actual product.

设备参数 Equipment parameters	XR-400	XR-500
设备功率 Equipment power	22KW	30KW
电源电压 Power supply voltage	380V/50Hz	380V/50Hz
控制系统 Control system	PLC+触摸屏电脑控制 Touch screen computer control	PLC+触摸屏电脑控制 Touch screen computer control
压缩空气 Compressed air	0.4~0.6Mpa	0.4~0.6Mpa
蒸汽压力 Steam pressure	0.4~0.6Mpa	0.4~0.6Mpa
装机容量 Installed capacity	4m ³	5m ³
洗货浴比 Liquor ratio	1:2~1:8	1:2~1:8
低脱转数 Adjustable speed	1~80RPM	1~80RPM
前倾角度 Forward tilt angle	14°	14°
进水管径 Inlet pipe diameter	DN65	DN65
蒸汽管径 Steam pipe diameter	DN40	DN40
气管管径 Tracheal diameter	φ12	φ12
整机重量 Whole machine weight	5500kg	6500kg
转笼尺寸 Drum size	φ1900*1400	φ1900*1800
外型尺寸 Appearance size	2850*2200*2430	3299*2200*2479

全自动洗脱机系列

Automatic washing machine

力颖全自动洗脱机,通过电脑控制系统,一键操作,可实现自动加水、预洗、主洗、漂洗、中和等主要程序,可轻松洗涤衣物。力颖独特的下悬浮减震设计,超低震动,提高了设备高速运转中的稳定性。本机采用不锈钢面板和内胆,使用寿命更长,更易清洗,适用于各种服装面料,配合专用洗涤剂,达到洗净度的效果。



Liying automatic washing machine is operated by computer control system with one button. It can realise the main procedures of automatic water filling, pre-washing, main washing, rinsing etc., and can wash clothes easily. Li-Ying's unique vibration-damping design, improve the stability of the equipment in high-speed operation. The machine adopts stainless steel panel and inner drum, longer service life, easier to clean, suitable for all kinds of clothing fabrics, with special detergent, to achieve the effect of cleanliness.

主要特点 | MAIN FEATURES

01 节能环保 Energy conservation and environmental protection

304不锈钢,每个内胆皆做动平衡实验,重心偏差小于2%。精致耐用。

Made of 304 stainless steel, each inner liner do balance experiment, centre of gravity deviation is less than 2%, delicate and durable.

02 控制器 Controller

采用触摸式可编程电脑自动控制,具有自动化程度高,操作简单、功能齐全等特点。

Adopting touch programmable computer automatic control, it has the characteristics of high automation degree, simple operation and complete functions.

03 弹簧减震结构 Spring-loaded shock-absorbing structure

安装时无需专用地基。有效减震率达95%以上,标准布草脱水后含水率小于70%。

No special foundation is required for installation. Effective vibration damping rate of more than 95%, standard cloth dehydration after the water content of less than 70%.

04 电机等 Motor, etc

福州远泰电机,国外品牌变频器,二星皮带,美国 TWB (铁姆肯) 轴承,进口胶水封。

Fuzhou Yuantai motor, foreign brand inverter, two-star belt, the United States TWB (Timken) bearings, imported glue seal.

型号参数

MODEL
PARAMETER

(仅供参考, 以产品实际为准)
Product parameters are for reference only, please refer to the actual product.

型号 Model	Unit	XGQ-30F	XGQ-50F	XGQ-100F	XGQ-120F	XGQ-150F
额定容量 Rated capacity	Kg/Car	30	50	100	120	150
洗衣缸容积 Volume of laundry tank	L	310	508	1002	1195	1520
电机功率 Motor power	KW	4	5.5	7.5	11	22
洗涤转速 Washing speed	R/min	40	40	30	30	32
中脱转速 Medium-speed spin-cycle	R/min	375	360	350	350	350
高脱转速 High-speed spin-cycle	R/min	750	700	650	650	650
压缩空气气压 Compressed air pressure	MPa	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
耗水量 (约) Water consumption (approx.)	Kg	330	500	960	1020	1350
耗气量 (约) Gas consumption (about)	Kg	20	30	50	52	60
耗电量 (约) Power consumption (approx.)	Kwh	1.5	2.1	3.2	4.5	6
外形尺寸 Overall dimensions	Mm	1350X1350X1730	1470X1800X1800	1760X2050X1970	1880X2000X2060	1980X2500X2190
整机重量 (约) Weight of the whole machine (about)	Kg	1200	1750	2700	3100	4900
电加热管 Electric heating tube	Root	5kw-3	5kw-6	5kw-9	/	/
耗电量 (约) Power consumption (approx.)	Kw	15	30	45	/	/

全自动染色一体机系列

Automatic dyeing and washing machine

力颖针对传统工艺；染色人工劳动强度大，染色水位不能精准控制，产品质量批量生产，品质难以控制，化工、染料浪费大，保温不精准等等问题，而研发智能染色洗脱一体机，使染液循环使织物充分上色，降低浴比，低浴比，能自动进出料，每道工艺可以编辑设置，可选代升级。



LiYing is aimed at the traditional process, dyeing manual labour intensity, dyeing water level cannot be accurately controlled, product quality mass production, quality is difficult to control, chemical, dye waste, insulation is not accurate and so on. Therefore, we have developed intelligent dyeing and washing machine, which can circulate the dyeing liquid to make the fabrics fully coloured, reduce the liquor ratio, automatic feeding and unloading and each process can be edited and set up, and can be upgraded by generation.

主要特点

MAIN FEATURES

(仅供参考，以产品实际为准)

Product parameters are for reference only, please refer to the actual product.

自动化程度高

High degree of automation

自动执行加水、加热、加染料、排水,精准控制水位、温度,转筒变频调速,耗能低,速度提升50%,无需人员干预;可根据用户需求,编辑工艺流程,确保衣物质量的稳定性,一致性,减少缸差。

Automatic execution of water filling, heating, dyeing and draining, precise control of water level and temperature.

Speed control with frequency conversion of the drum, low energy consumption, 50 per cent speed increase and no need for personnel intervention. The process can be edited according to the user's needs to ensure the stability and consistency of clothing quality.

自动进出货

Automatic loading and unloading

大开口式,设计自动开门、关门,后倾进货、前倾出货,大大降低人工强度,效率提高几倍。

Automatically open and close the door. Backward tilting loading, forward tilting unloading, greatly reducing labour intensity, efficiency increased by several times.

智能染色程序

Intelligent dyeing program

染色水洗过程智能化,可灵活编辑各个步骤流程,设置各染色工艺参数;具有五大功能:1、曲线加料控制2、比例升温控制3、横向循环系统4、间接加热系统5、配有过滤装置。

Intelligent dyeing and washing process, flexible editing of each step of the process, set the dyeing process parameters. With five functions: 1、Curve dosing control 2、Proportional temperature control 3、Horizontal circulation system 4、Indirect heating system 5、Equipped with filtration device

人机交互

Can be operated manually or intelligently

可编程电脑控制,超大触摸屏,提供自动、半自动、手动三种控制方式。

Programmable computer control, large touch screen, providing automatic, semi-automatic and manual three control modes;

双路进排水

Dual water inlet/drainage

配置两路进水、两路排水,进水可接清水、循环水,排水可接污水池、洗水池;内笼配有特殊设计的机械结构,可有效提高衣物和水在机器内部的充分搅拌,使其更加均匀,渗透性更好。

Equipped with two ways of water inlet and two ways of drainage, the water inlet can be connected to fresh water and circulating water. Drainage can be connected to the cesspool, washing pool. The inner cage is equipped with a specially designed mechanical structure, which can effectively improve the full mixing of clothing and water inside the machine, making it more uniform and better permeability.

适用范围广

Wide range of application

适用于牛仔裤,休闲裤,棉针织卫衣,袜子,帽子,无缝内衣等类型产品的成衣染色,柔软后整理。

Suitable for garment dyeing and soft finishing of jeans, casual trousers, cotton knitted sweatshirts, socks, hats, seamless underwear and other types of products.

高速脱水 High speed dehydration

染色机可实现高速脱水,转速最高可达580RPM,高脱过程运行平稳,全悬浮结构避振,振动小稳定性高;
The dyeing machine can achieve high speed spin-cycle, speed up to 580Rpm, high spincycle running smoothly, Full suspension structure is shock-proof, small vibration and high stability.

紧凑的巧妙结构 Save space

进水、进汽排水、加染料助剂等管道合理布局,外形美观大气比传统设备节省一半以上的空间;
Reasonable layout of pipelines for water inlet, steam inlet, drainage, dyestuff and agent. Beautiful appearance saves more than half of the space than the traditional equipment.

省人工 Labor saving

一个人可以操控3-6台设备,自动加染料,智能染色程序。
Automatic dosing, intelligent dyeing program, and one person can control 3-6 devices.

省水 Save water

内外胆间距只有3厘米,比传统少3-4厘米,脱水功能,减少染色中过水次数;
The distance between the inner and outer drum is only 3cm, which is in dyeing 3-4cm less than the traditional one; it has the function of dewatering, which reduces the number of times of rinse.

自动加料桶 Automatic dosing tank

1、双料双缸加料设计(可选配多料多缸加料) 2、自清洁水位控制进水 3、自动温度控制。
1、 Double material and double tank dosing design (optional multi-material and multi-tank dosing) 2、 Self-cleaning water level control water intake 3、 Automatic temperature control

技术参数 | **TECHNICAL PARAMETER** (仅供参考,以产品实际为准)
Product parameters are for reference only, please refer to the actual product.

设备参数 Equipment parameters	高脱High speed XRQ-250R	高脱High speed XRQ-350R
设备功率 Equipment power	30KW	45KW
外型尺寸 External Dimensions	2320*2756*2468	3150*2704*2950
容量 capacities	2.5m ³	3.5m ³
电源 Power supply	380V/50Hz	380V/50Hz
气源 Compressed air	0.04-0.6Mpa	0.04-0.6Mpa
重量 Weight	7800KG	12000KG
染色浴比 Dyeing liquor ratio	1:2~1:8	1:2~1:8
可调转速 Adjustable	(高脱High-speed)1-580Rpm	(高脱High-speed)1-500Rpm
转笼尺寸 Drum size	Φ1600*1200	Φ1900*1400

智能立式染色机系列

Intelligent vertical dyeing machine

力颖针对传统工艺；染色人工劳动强度大，染色水位不能精准控制，产品质量批量生产，品质难以控制，化工、染料浪费大，保温不精准等等问题，而研发智能染色洗脱一体机，使染液循环使织物充分上色，降低浴比，低浴比，能自动进出料，每道工艺可以编辑设置，可选代升级。



LiYing is aimed at the traditional process, dyeing manual labour intensity, dyeing water level cannot be accurately controlled, product quality mass production, quality is difficult to control, chemical, dye waste, insulation is not accurate and so on. Therefore, we have developed intelligent dyeing and washing machine, which can circulate the dyeing liquid to make the fabrics fully coloured, reduce the liquor ratio, automatic feeding and unloading and each process can be edited and set up, and can be upgraded by generation.

主要特点 | MAIN FEATURES

自动化程度高 | High degree of automation

自动执行加水、加热、加染料、排水，精准控制水位、温度，转筒变频调速，耗能低，速度提升50%，无需人员干预；可根据用户需求，编辑工艺流程，确保衣物质量的稳定性，一致性，减少缸差；

Automatic execution of water filling, heating, dyeing and draining, precise control of water level and temperature.

Speed control with frequency conversion of the drum, low energy consumption, 50 per cent speed increase and no need for personnel intervention. The process can be edited according to the user's needs to ensure the stability and consistency of clothing quality.

自动进出货 | Automatic loading and unloading

大开口式，设计自动开门、关门，后倾进货、前倾出货，大大降低人工强度，效率提高几倍；

Automatically open and close the door. Backward tilting loading, forward tilting unloading, greatly reducing labour intensity, efficiency increased by several times.

智能染色程序 | Intelligent dyeing program

染色水洗过程智能化，可灵活编辑各个步骤流程，设置各染色工艺参数；具有五大功能：1、曲线加料控制 2、比例升温控制 3、横向循环系统 4、间接加热系统 5、配有过滤装置

Intelligent dyeing and washing process, flexible editing of each step of the process, set the dyeing process parameters. With five functions: 1、Curve dosing control 2、Proportional temperature control 3、Horizontal circulation system 4、Indirect heating system 5、Equipped with filtration device

人机交互 | Can be operated manually or intelligently

可编程电脑控制，超大触摸屏，提供自动、半自动、手动三种控制方式；

Programmable computer control, large touch screen, providing automatic, semi-automatic and manual three control modes;

双路进排水 | Dual water inlet/drainage

配置两路进水、两路排水，进水可接清水、循环水，排水可接污水池、洗水池；内笼配有特殊设计的机械结构，可有效提高衣物和水在机器内部的充分搅拌，使其更加均匀，渗透性更好。

Equipped with two ways of water inlet and two ways of drainage, the water inlet can be connected to fresh water and circulating water. Drainage can be connected to the cesspool, washing pool. The inner cage is equipped with a specially designed mechanical structure, which can effectively improve the full mixing of clothing and water inside the machine, making it more uniform and better permeability.

适用范围广 Wide range of application

适用于牛仔裤，休闲裤，棉针织卫衣，袜子，帽子，无缝内衣等类型产品的成衣染色，柔软后整理。
Suitable for garment dyeing and soft finishing of jeans, casual trousers, cotton knitted sweatshirts, socks, hats, seamless underwear and other types of products.

紧凑的巧妙结构 Save space

进水、进汽排水、加染料助剂等管道合理布局,外形美观大气比传统设备节省一半以上的空间;
Reasonable layout of pipelines for water inlet, steam inlet, drainage, dyestuff and agent. Beautiful appearance saves more than half of the space than the traditional equipment.

省人工 Labor saving

一个人可以操控3-6台设备,自动加染料,智能染色程序。
Automatic dosing, intelligent dyeing program, and one person can control 3-6 devices.

省水效率高 High water saving efficiency

内外胆间距只有3厘米,比传统少3-4厘米,节约用水50%,产能提高一倍与传统机对比。
The distance between the inner and outer tank is only 3 cm, which is 3-4 cm less than traditional machines, saving water by 50%, and doubling the production capacity compared to traditional machines.

自动加料桶 Automatic dosing tank

1、双料双缸加料设计（可选配多料多缸加料）2、自清洁水位控制进水 3、自动温度控制。
1、Double material and double tank dosing design (optional multi-material and multi-tank dosing) 2、Self-cleaning water level control water intake 3、Automatic temperature control

技术参数 TECHNICAL PARAMETER (仅供参考,以产品实际为准)
Product parameters are for reference only, please refer to the actual product.

设备参数 Equipment parameters	XR-400R	XR-500R
设备功率 Equipment power	22KW	30KW
外型尺寸 External Dimensions	2850*2200*2430	3299*2200*2479
容量 capacities	4m ³	5m ³
电源 Power supply	380V/50Hz	380V/50Hz
气源 Compressed air	0.04-0.6Mpa	0.04-0.6Mpa
重量 Weight	5500KG	6500KG
染色浴比 Dyeing liquor ratio	1:2~1:8	1:2~1:8
可调转速 Adjustable	1-80Rpm	1-80Rpm
转笼尺寸 Drum size	Φ1900*1400	Φ1900*1800

快速节能烘干机系列

Energy efficient dryer series

快速节能烘干机:我国的传统工艺烘干机普遍面临以下四大问题,

- 1.热能利用不充分,能耗高。2.热能使用与实际利用不协调无效使用热能较大,在使用过程中,没做到随开随用、精准控制,使热能随意流失,造成很大的浪费。
- 3.热能不集中,升温时间长,速度慢。这一过程加大了热能和电能的损耗。4.毛绒清理困难,热能流通困难,从而增加公司成本,力颖基于这些问题,在国家节能降耗的背景下,而研发生产的节能烘干机,专利风道流通系统,比传统机节能最高可达40%。烘干时间最快30%。为企业降低能耗,节省了成本。



Energy-saving dryer: Our traditional process dryer generally faces the following four major problems.

1. Inadequate use of heat energy, high energy consumption.
2. The use of heat energy is not coordinated with the actual use of ineffective use of heat energy. In the use of the process cannot be accurately controlled, so that the heat loss at will, resulting in a great waste.
3. The heat is not concentrated; the heating time is long and slow. This process increases the loss of heat and electricity.
4. Fluffy cleaning difficulties, heat circulation difficulties, thus increasing the company's costs. LiYing based on these problems, in the context of national energy saving, and the development and production of energy-saving dryers, patented air duct circulation system, than the traditional dryer energy saving up to 40%. Drying time is 30% faster. For enterprises to reduce energy consumption, cost savings.

主要特点 | MAIN FEATURES

01

304高品质不锈钢转笼,经久耐用;
304 stainless steel drum for durability.

02

转笼上的打孔以及转笼表面经过精细抛光打磨处理,适用于精致面料;
The perforations on the drum and the surface of the drum are finely sanded for use with delicate fabrics.

03

烘干时间短,避免了回染串色问题,质量更加有保障;
The drying time is short, which avoids the problem of color cross-dyeing and ensures the quality.

04

烘干时间短,升温速度快,不串色等,有效避免了传统烘干机不能满负荷载量烘干问题,所以效率是普通节能烘干机两倍。
Fast temperature rise, no cross-color, etc., effectively avoiding the traditional dryer can not be fully loaded load drying problems, so the efficiency is twice the ordinary energy-saving dryer.

05

可选配热风回收系统

Option hot air recovery system.

06

可自由切换低温防失弹烘干模式, 与高温快速精准缩码、节能模式。

Different modes can be freely switched, such as low temperature drying mode to prevent clothing from losing elasticity, high temperature fast drying clothes can be precise shrinkage mode and energy saving mode.

07

三重节能装置:前进风、热风回收、冷凝水回收充分利用。

Triple energy-saving device, the wind coming through the door, hot air and condensed water are fully utilized!

08

双炉温控制,充分利用热能

Double furnace temperature control to make full use of heat energy

技术参数

TECHNICAL
PARAMETER

(仅供参考, 以产品实际为准)

Product parameters are for reference only, please refer to the actual product.

设备参数 Equipment parameters	HGZ-50	HGZ-100	HGZ-150
设备尺寸 Equipment dimensions	1345*1620*2550	1713*2042*2885	1853*2226*3060
总电机功率 Main motor power	1.1KW	8.2KW	9KW
滚筒容量 Drum capacity	Φ1000*950	Φ1480*1200	Φ1600*1215
电压 Power supply	380V/50Hz	380V/50Hz	380V/50Hz
整机重量 Whole machine weight	1100KG	1450KG	1650KG
节能方式 Energy saving mode	三级节能 Three-level energy saving	三级节能 Three-level energy saving	三级节能 Three-level energy saving

大容量倾斜节能快速烘干机

Large capacity energy-saving tilttable dryer

现有烘干机靠人工装衣服,卸衣服,劳动强度大,加上刚烘干衣服很烫手,夏天很热,手臂容易烫伤。加上现有烘干机容量较小。

烘干衣服量较少。基于以上情况,研发了大容量的自动出料、自动打冷风的节能烘干机,减少人工出料难度和劳动强度。因为大可以大量生产,一台可抵好几台的生产量,从而节省空间。适用大型立式牛仔洗衣配套生产。

Existing dryers rely on manual loading and unloading of clothes, which is labour intensive.

In addition, as just drying clothes is very hot, arms are easy to burn, there is also the existing dryer capacity is small, drying clothes amount is less. Based on the above, a large-capacity energy-saving dryer with automatic unloading and automatic cold air was developed to reduce difficulty and labour intensity of manual unloading. One unit can replace the production capacity of several units, thus saving space and suitable for large vertical garment laundry supporting production.



主要特点

MAIN FEATURES

省人工

Labor saving

可倾斜自动出料,降低人工劳动强度。
Automatic unloading can be tilted to reduce manual labor intensity

自动开关门

Automatic door opening and closing

采用滑轨工艺自动开门,安全可靠,可快速制冷。
Adopting slide process to open and close the door automatically, it is safe and reliable, and can be cooled quickly.

大容量

Large capacity

200KG烘干容量。
200KG Drying capacity

烘干速度快

Fast drying speed

发明专利风道流通系统。比传统烘干机烘干速度快30%。
Invention of patented air duct circulation system, 30% faster drying speed than traditional dryers.

节能高效

Energy saving and high efficiency

三重节能结构,双炉温控制系统。比传统烘干机节能40%。
Triple energy-saving structure, Dual furnace temperature control system, 40% energy saving than traditional dryer.

经久耐用

Durable

风道进排水固定,保障倾斜功能寿命。
Air duct inlet and drainage fixed to guarantee the life of the tilt function;

省场地

Space saving

一台设备抵传统三台设备用。
One unit is worth three traditional units;

自动进出料

Automatic unloading

配备专用输送小车。
Equipped with a special conveying trolley;

自由切换

Multiple modes

可自由选择低温烘干,快速烘干,快速缩码,以及节能模式。
Freedom to switch to different modes: low temperature drying, fast drying, shrink, and energy saving mode.

技术参数

TECHNICAL PARAMETER

(仅供参考,以产品实际为准)
Product parameters are for reference only, please refer to the actual product.

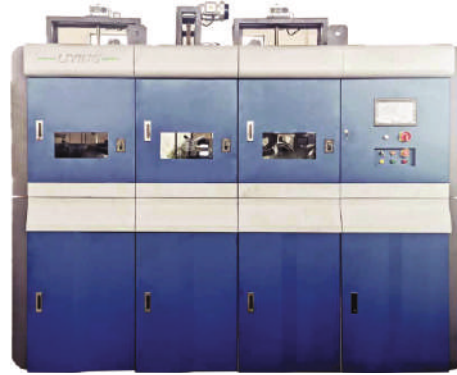
设备参数 Equipment parameters	HGZ-200 倾斜(Tilttable)	HGZ-250 倾斜(Tilttable)
设备尺寸 Equipment dimensions	1960*2496*3140	2050*2650*3200
电机功率 motor power	11KW	12KW
气压 Compressed air	04-0.6Mpa	04-0.6Mpa
电压 Power supply	380V/50Hz	380V/50Hz
整机重量 Whole machine weight	2200KG	2400KG
节能方式 Energy saving mode	三级节能 Three-level energy saving	三级节能 Three-level energy saving
滚筒容量 Drum capacity	1700*1240	1800*1400

自动加药装置

Automatic dosing system

力颖智能加药装置用于水洗工艺过程中，代替人工加料，高精度计量，实现了科学用量、成本透明化，质量得到有效保障，解决了人工加药剂不均匀，用药量不准，药剂浪费及洗水效果不佳等问题。

LiYing intelligent dosing devices are used in the garment washing process, replacing manual dosing with high-precision metering, achieving scientific dosage, cost transparency and effective quality assurance. It solves the problems of uneven manual dosing, inaccurate dosage, waste of chemicals and ineffective washing.



► 储存站
Storage station

一工位加药桶

One-station dosing tank

为配合牛仔洗衣机，自动加药，根据牛仔化工特点。而设计，可加水剂、粉剂、非常顺畅、实用、方便。

Designed to match the automatic dosing of garment washing machines and according to the characteristics of garment chemicals, it can add agent and powder, which is very smooth, practical and convenient.



四工位加料桶

Four-station dosing tank

该设备是配合自动加药系统而设计的补给设备，加药桶可任意增加或减少。加药精度高，根据洗水流程所需的助剂精准控制，方便，简单，实用。

This equipment is designed to complement the automatic dosing system for replenishment. The dosing tank can be increased or reduced at will according to demand, with high dosing accuracy. It can be precisely controlled according to the additive required for the washing process, which is convenient, simple and practical.



系统优势 | SYSTEM ADVANTAGES

01

一键启动, 自动加药;

One key start, automatic dosing.

02

称量计量加药, 精度高, 重复性好;

Weighing and dosing with high precision and good repeatability.

03

加药精度 ± 10 克

Dosing accuracy of 10g

04

单次加药量在100~20000g可调;

Single dosing quantities are adjustable from 100 to 20000g.

05

带自动冲洗功能, 防止药剂粘管;

With a control, according to the automatic flushing function to prevent the agent from sticking to the pipe.

06

自动补充药剂设计, 灵活简便;

Automatic replenishment design, flexible and easy.

07

独立触摸屏操作系统, 操作执行便捷;

Independent touch screen operating system, convenient operation and execution.

08

关键配件都为行业知名品牌, 质量好;

Key accessories are well-known brands in the industry, good quality.

09

设备功率底, 能耗低;

The power of the equipment is low, with low energy consumption.

10

节能环保, 不浪费药剂;

Energy saving and environmental protection, no waste of chemicals.

工作原理 | WORKING PRINCIPLE

01

拆开化工包装, 通过扶梯吊挂上储存站然后倒入储存桶;

Unpacking of chemical packages, hoisting them up the storage station via escalators and emptying them into storage drums.

02

自动配备化工, 根据当天生产需要, 高浓度液体、粉剂配备原理:

①助剂通过电子称, 程序控制称好重量加入搅拌桶;

②再注入一定比例的水(水温温度可调节, 比例浓度可调节), 程序控制(管道最大承送浓度1:1)充分稀释后再通过真空管道利用, 气动原理输送到每台补给站;

③根据每步洗水流程所需助剂量, (补给站容量暂存半天用量) 电脑程序控制, 注入 洗水机, 全程流程自动化。

Automatically equipped with chemicals, according to the production needs of the day, the high concentration of liquid, powder equipped with the principle.

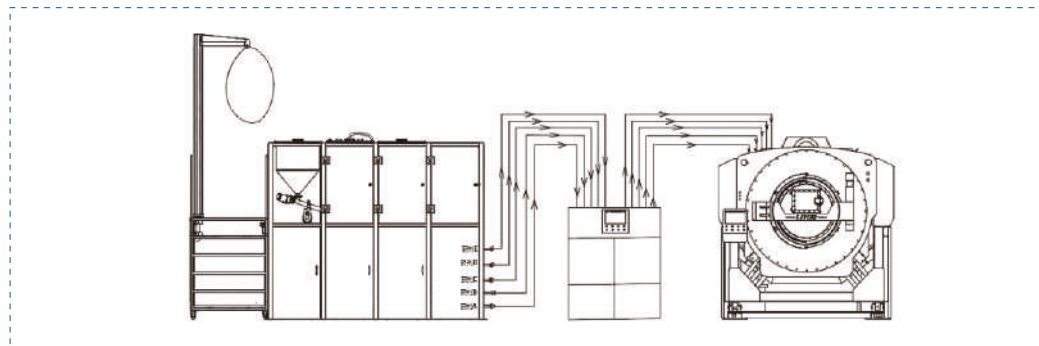
①Agent are weighed and added into the mixing tank through electronic weighing and programme control.

② And then injected into a certain proportion of water (water temperature can be adjusted, the proportion of concentration can be adjusted), process control (pipeline maximum delivery concentration of 1:1) fully diluted and then using vacuum piping, pneumatic principle of delivery to each refill station.

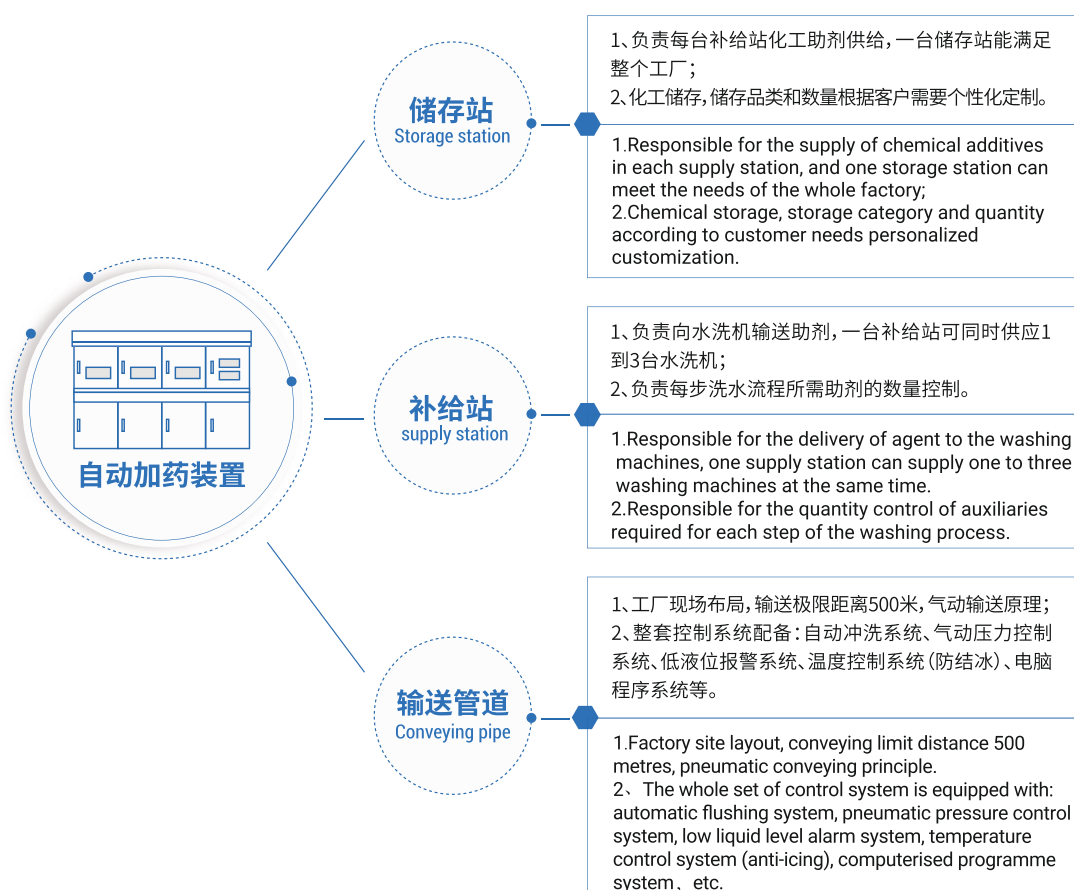
③According to each step of the washing process required to help the dose, (replenishment station capacity of half a day's worth of temporary storage) computer programme control, injected into the washing machine, the whole process automation.

► 系统工作原理: 工作流程图

How the system works: Work flow chart



系统组成 | SYSTEM COMPOSITION



智能牛仔工厂系统

Intelligent denim factory system

随着国家政策对水污染节能的重视,传统水洗机必然会被淘汰,国外立式水洗机价格高,自动化程度低,水洗工艺有局限性,不适应国内运用。

力颖结合十多年工业自动化研发经验,创新推出全球首款牛仔洗水智能工厂系统。该智能系统从节能环保、智能操作等研发理念出发,由自动水洗机、自动脱水机、自动节能烘干机,洗涤污水回用系统,无尘手工车间,零污染马骝车间等部分组成,结合智能设备、智能生产、智能物流于一体。

With the national policy on water pollution and energy saving, the traditional washing machine is bound to be eliminated, foreign vertical washing machine price is high, the degree of automation is low, the washing process has limitations, not adapt to the domestic application.

Combined with more than ten years of industrial automation research and development experience, LiYing innovatively launched the world's first denim washing intelligent factory system. This intelligent system is based on energy saving and environmental protection, intelligent operation and other research and development concepts, and consists of automatic washing machine, automatic spin-cycle washing machine, automatic energy-saving dryer, washing wastewater reuse system, dust-free workshop, zero-pollution P.P spray workshop and other parts of the combination of intelligent equipment, intelligent production, intelligent logistics in one.



MBR超滤器 | MBR ULTRAFILTER

01 平板膜强度高, 寿命长

High strength and long life of flat membrane

02 出水浊度小于1NTU

Less than 1NTU turbidity in the effluent

03 更小的占地面积

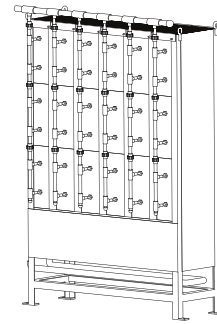
Smaller footprint area

04 更高的自动化

Higher automation

05 更低的气水比, 节省运行费用

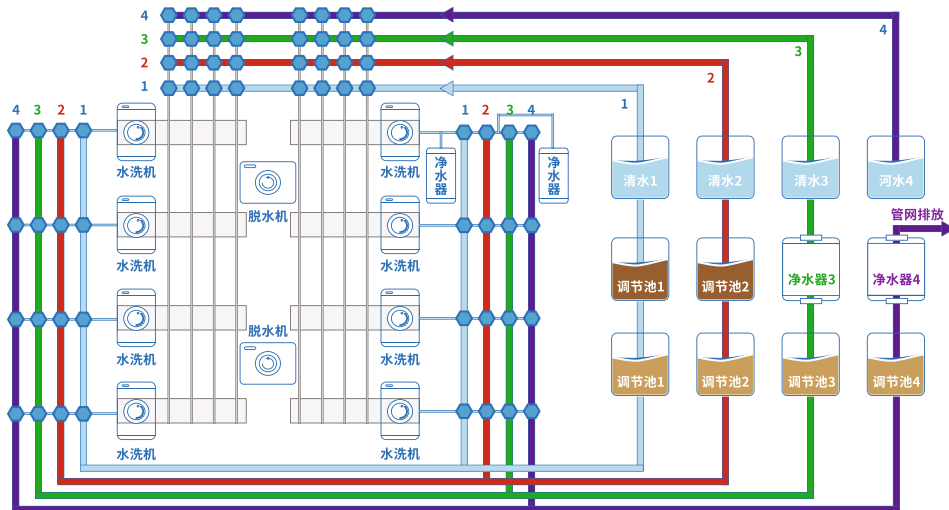
Lower air/water ratio, saving operating costs



柔性平板膜组件示意图

Schematic diagram of flexible flat membrane module

工作原理 | WORKING PRINCIPLE



基本原理说明 Basic principle description

- 1号管道排放可以处理后回用的水, 通过调节池1收集;
- 2号管道排放漂洗洗涤水;
- 3号管道排放柔软洗涤水;
- 4号管道排放除其他步骤水;
- Duct 1 discharges water after the rinsing step, which is collected via conditioning tank 1;
- Drainage of water after the Bleach wash in pipe 2;
- Drainage of water after the softening step by pipe No. 3;
- Pipe 4 discharging water from other denim washing steps;

高效干湿雾化机

Environmentally friendly and efficient atomizer

高效干湿雾化机:力颖针对传统炒砂、炒盐、炒球、全喷工艺过程中劳动强度大,效率低下,环境差,研发的一种全新环保代替机。

High-efficiency wet and dry atomizer: Li-Ying has developed a brand-new environmentally friendly replacement machine for the traditional sand bleaching, salt bleaching, rubber ball bleaching, full spraying process with high labour intensity, low efficiency, and poor environment.

主要特点 | MAIN FEATURES

功能 Function

替代传统全喷、炒砂、炒盐、炒球等工艺。

Replaces traditional full blasting, sand bleaching, salt bleaching, rubber ball bleaching and other processes.

操作 Operation

可干/湿操作, 配合不同辅助材料(泡沫颗粒, 泡沫球, 回软球)使用可达到不同效果。

Can be operated dry/wet and used with different auxiliary materials to achieve different effects.

辅料 Accessories

药水可以使用高锰, 或环保雾化剂。

The medicinal water can be used with high manganese, or environmentally friendly fogging agents.

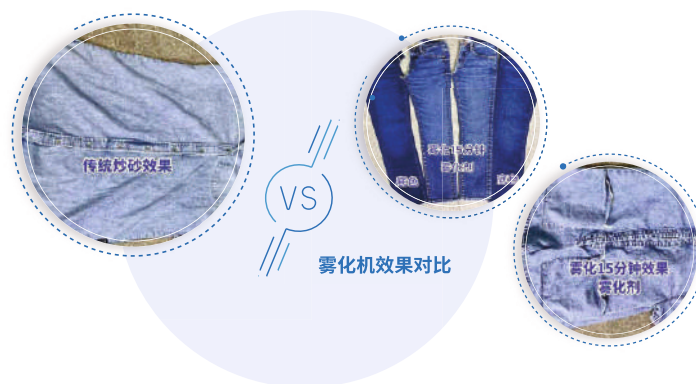


技术参数 | TECHNICAL PARAMETER

(仅供参考, 以产品实际为准)
Product parameters are for reference only, please refer to the actual product.

设备型号 Equipment model	ECO-200 高效干湿雾化机 ECO-200 Environmentally friendly and efficient atomizer
尺寸 Dimensions	2100*2598*2700
主电机功率 Main motor power	10.3KW
气压 Compressed air	04-0.6Mpa
电压 Voltage	380V/50Hz
转笼尺寸 Drum size	Φ1800*1400

雾化机对比 | COMPARISON BEFORE AND AFTER ATOMIZATION



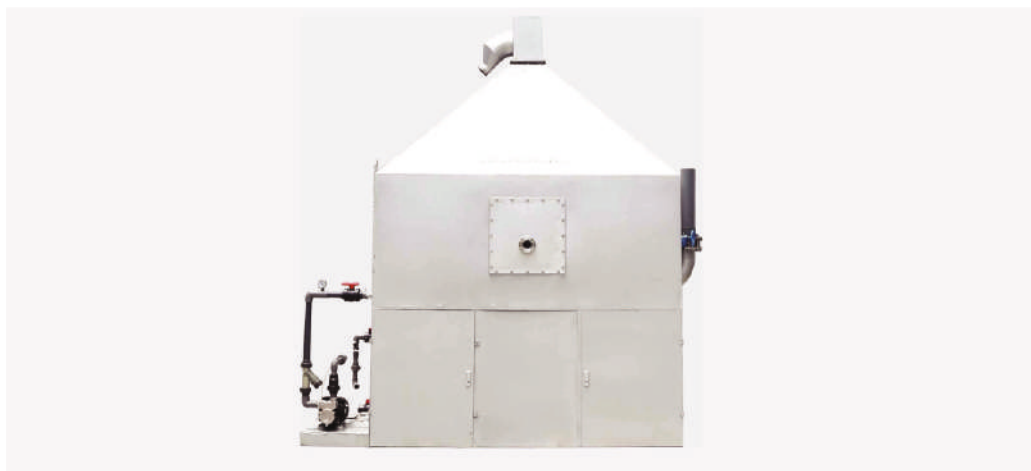
牛仔中水回用系统

Water reuse systems

牛仔行业是一个高耗水的行业,用水量巨大,对水资源极度浪费,对环境有一定的影响,基于这个原因,上海力颖携同上海力瑶环境技术公司,共同打造了一套完整的中水回用系统,为企业大大节省了成本,为我们美好家园尽我所能。

The denim industry is a high-water consuming industry, using huge amounts of water, which is extremely wasteful of water resources and has a certain impact on the environment. For this reason, Shanghai LiYing, together with Shanghai LiYao Environmental Technology Company, has created a complete water reuse system, which has resulted in significant cost savings for the company.

纳米高效净水器 | NANO HIGH EFFICIENCY WATER PURIFIER



无动力 排泥系统

Non-powered mud
disposal system

该系统使排泥更为顺畅,也降低了设备运行能耗;

This system allows for smoother mud discharge and reduces energy consumption.

微纳米气泡 水物分离系统

Micro-nano bubble
water and material
separation system

该系统保证了水物分离更加彻底,使出水效果更加稳定;

This system ensures a more complete separation of water and matter, making the water output more stable.

智能高效药剂 混合系统

Intelligent and efficient
pharmaceutical mixing
system

该系统保证了药剂与污水的充分反应,使污染物的去除更为彻底。

This system ensures the full reaction between the chemicals and the sewage, resulting in a more complete removal of pollutants.