



让流入人体里的制药用水最安全
MAKE PHARMACEUTICAL WATER SAFEST TO FLOW INTO THE HUMAN BODY

上海俄达医药科技有限公司

Shanghai EDA Medical & Pharmaceutical Technology Co., Ltd.

地址：上海市松江区乐都路339号

Add: 399 Rd. Ledu ,District Songjiang ,Shanghai ,China

Post: 201600

Tel./Fax.: +862137026221

Web: www.edapm.com

公司员工**133**名占地面积**30000m²**专业技术人员**42**名生产厂房**20000m²**

ENTERPRISE PROFILE

企业简介

上海EDA医药科技有限公司成立于2011年，拥有一支熟悉医药行业规则的丰富经验团队。EDA可为医药流体处理系统提供EPC服务：设计、工厂模块化制造、现场安装、现场调试、验证、集中自动化一站式服务，帮助客户减少接口，提高项目执行的控制和执行效率。

Shanghai EDA Medical & Pharmaceutical Technology Co., Ltd. was established in 2011, has a rich experience team familiar with pharmaceutical industry rules. EDA can provide the EPC services to pharmaceutical fluid process system: Design, Factory modularization fabrication, Site installation, Site commissioning, Validation, Concentration automation one-station service to help the customer reduce the interface and improve the control and execution efficiency of the project execution.

我们按照欧盟 GMP、FDA、世卫组织、PIC/S cGMP 原则等为全球制药行业提供集成工程解决方案。公司与知名科研机构和医药行业设计院密切合作，为世界各地的不同客户提供合理的项目设计、优质设备和定制服务。

We provide integrated engineering solutions for worldwide pharmaceutical industries in compliance with EU GMP, FDA, WHO, PIC/S cGMP principle, etc. Our company cooperates closely with well-known scientific research institutions and pharmaceuticals industry designing institutes to provide reasonable project design, high-quality equipment, and customized service for different customers all over the world.



SHOP ASSEMBLY

车间装配

不懈的质量追求，一切为了顾客是俄达一贯坚持的质量方针，作为一家知名机械生产企业，我们相信，只有不断在品质上追求完美，才是企业发展的后续力所在，公司拥有现代化的生产与检测设备并严格按照ISO9001质量管理体系生产运作。“崇尚品质，追求完美”是俄达的经营准则。我们俄达人将以一流的产品、完美的服务与新老客户共享！



EDA consistently holds the quality policy of "unremitting quality pursuit, everything is done for customers". As a famous machinery manufacturer, we believe that the sustainable development of our enterprise lies in the endless pursuit of perfect quality. Provided with modern production and inspection facilities, our company carries out production in strict accordance with the ISO9001 quality management system. By keeping to the operation principle of "seeking quality and pursuing perfection", EDA personnel will provide new and old customers with first class products and perfect service!



配件仓库
Spare parts warehouse

PRODUCTION EQUIPMENT

生产装备

我们为您提供的产品都经过反复的调试，确保生产效率、减少停机、增加安全性并提升竞争优势。俄达对每一个产品都进行严格的检测。检测员高度负责的用心溶于每一个部件中，加上最先进的检测设备和严格的科学化管理，使每一个产品的成品经得起顾客的精心挑选。

We provide you with products are repeatedly adjusted to ensure production efficiency, reduce downtime, increase security and enhance competitive advantage. EDA carries out strict inspection on every product. The inspector is highly responsible in each component, coupled with the most advanced testing equipment and strict scientific management, so that each product can withstand the careful selection of customers.



- ① 激光切割机
Laser cutting machine
- ② 全自动成品抛光机
Automatic finished products polishing machine
- ③ 全自动抛光机
Automatic polishing machine



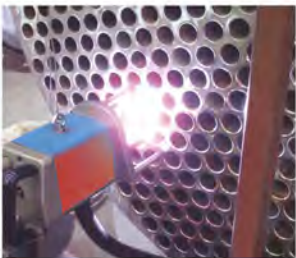
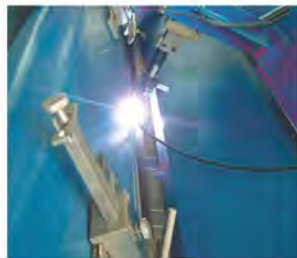
- ④ 全自动卷圆机
Automatic rounding machine
- ⑤ 全自动氩氟焊
Automatic argon fluorine welding
- ⑥ 全自动氩氟焊
Automatic argon fluorine welding

完美的品质，源于精心的设计和先进的装备

Perfect quality relies on elaborate design and advanced equipment

以最新的数字技术进行直接对话式编程，实施钻、削、铣、磨等工艺对工件关键部件进行机械加工，确保极限精度。运用崭新的工业概念及精悍的技术力量，自行设计制造一流的产品，使产品彻底实现作业简单化、程序化，彻底实现产品一致性。

The latest digital technology is adopted for direct conversational programming and the key parts are subjected to mechanical machining such as drilling, cutting, milling and grinding to ensure the ultimate precision. We have applied brand new industrial concept and powerful technical strength to independently design and manufacture first-class products, thus completely realizing the simple and programmable operations for the consistent products.





严格管理 精心制作 创造完美品质

Strict management and elaborate manufacturing
accomplish perfect quality

生产全过程的监控是产品质量的保证。不让一点瑕疵出现，不让质量问题损害我们的品牌是我们的宗旨。我们建立了一整套完善的、有序的质量保证体系，在“我们追求0故障”思想的指导下，我们绝不让一件不合格的产品出厂，我们相信这既是对客户负责，更是对我们自己负责。

Monitoring the whole process of production is the guarantee to product quality. It is our tenet to avoid the occurrence of any defect and prevent quality problems from damaging our brand. We have established a complete set of reasonable and orderly inspection procedures. Guided by the thoughts of pursuing zero failure, We will never sell one unqualified product to clients. We believe that it not only means the responsibility for customers, but also for ourselves.

INSPECTION EQUIPMENT

检测试验



① 弹簧拉力试验
Spring tensile test

② 化学分析
Chemical analysis



③ 超声波探伤
Ultrasonic flaw detection

④ 材料光谱仪
Material spectrometer

⑤ 无损测厚仪
Nondestructive thickness gauge

⑥ 纯蒸汽品质鉴定仪
Pure steam quality identifier



⑦ 试验
test

⑩ 射线探伤
Ray flaw detection

⑧ 试验
test

⑪ 焊接试验室
Welding laboratory

⑨ FAT蒸汽锅炉
FAT steam boiler

⑫ 焊接试验室
Welding laboratory

BIOREACTOR SYSTEM

生物反应系统

生物反应系统是目前针对任何微生物发酵工艺最先进的解决方案。无论是个体发酵或多级发酵系统，设备采用卫生无菌设计的设备以满足客户的最高要求，并符合国家（GMP）及国际（cGMP/FDA）药品标准。

该工艺在质量、准确性和重复性方面都非常优秀，具体是通过采用精密仪器控制pH值、pO₂、温度、搅拌速度和重量的方法来实现的。全面的工厂调试使得现场项目能够快速启动。

The best solution for any microbial fermentation process. Whether for single fermenters or multi-stage fermentation systems, sterile design and hygienically designed components are applied to meet the customer's highest requirements and comply with national (GMP) and international (cGMP/FDA) pharmaceutical standards.

Excellent process result in terms of quality, accuracy and repeatability which is granted by controlling pH, pO₂, temperature, agitator speed and weight through precise instrumentation.

The complete Factory Acceptance Test (FAT) in the plant enables a quick start-up at site.



● 单级发酵模块
Single stage fermentation module



● 二级发酵模块
Secondary fermentation module



● 三级发酵模块
Tertiary fermentation module

生物反应器具有在常温常压下操作要求能防染菌并且能蒸汽灭菌，制作材质对微生物或酶无损害；酶常因底物浓度也不能太高，因而反应器体积相当庞大；反应前需接入菌种，为防止杂菌污染和活性衰退，一般采用分批釜式反应器；在发酵过程中，常是气、液、固三相并存，流变学性质复杂，使采用化学反应工程的原理和方法，解决生物反应器的设计放大问题存在较大困难。

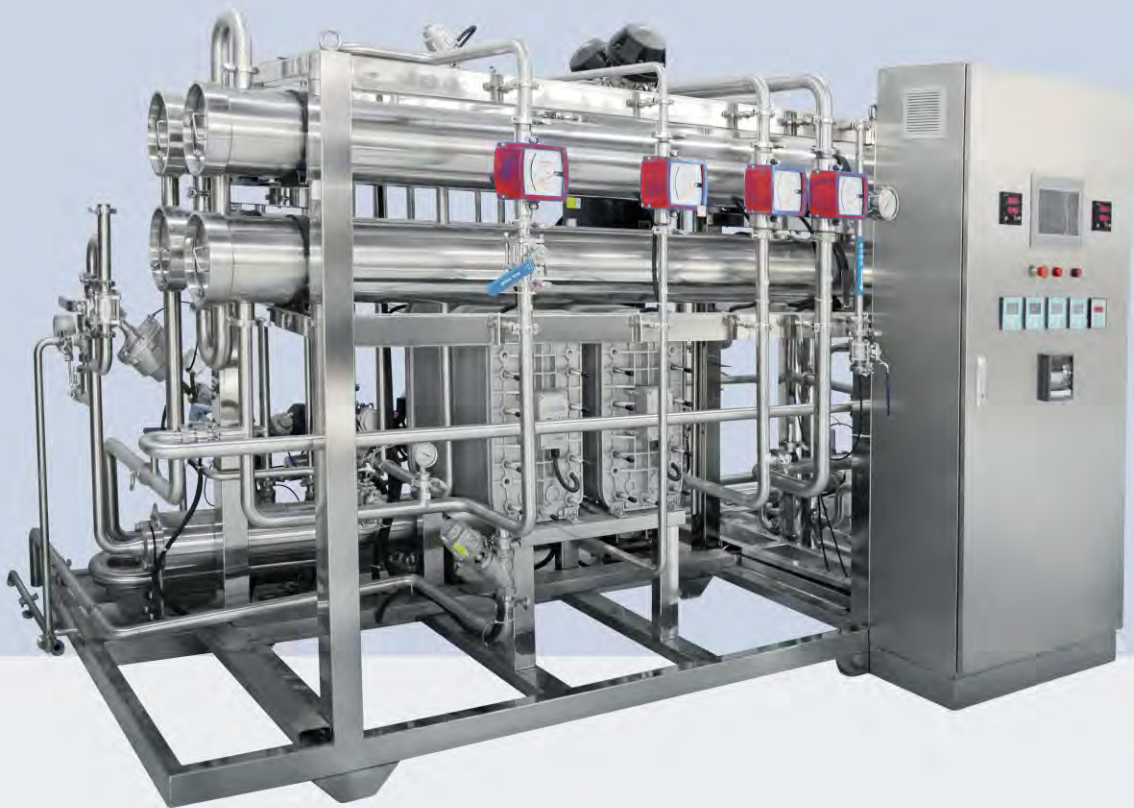
因此，生物反应器具有耐受蒸汽灭菌、反应时常是气、液、固三相并存、能防止杂菌污染和活性衰退、常温常压下操作、制作严密无隙以防染菌、反应器体积相当庞大、对微生物或酶无损害的材质制作等特点。

The bioreactor has the operation requirements under normal temperature and pressure to prevent bacteria and steam sterilization, and the production material is non-toxic to microorganisms or enzymes; Enzyme often because the substrate concentration is not too high, so the reactor volume is quite large; Before the reaction, it needs to access the bacteria. In order to prevent the contamination of miscellany bacteria and the decline of activity, batch reactor is generally adopted. In the fermentation process, gas, liquid and solid often coexist, and the rheological properties are complicated, so it is difficult to solve the problem of scaling up the design of bioreactor by using the principle and method of chemical reaction engineering.

Therefore, the bioreactor has the characteristics of resistance to steam sterilization, reaction is often gas, liquid, solid three-phase coexist, can prevent the contamination of bacteria and activity decline, normal temperature and pressure operation, production of tight no gap to prevent bacteria, reactor volume is quite large, non-toxic to microorganisms or enzymes of the material production and so on.

PURIFIED WATER PREPARATION UNIT

纯化水制备机组



纯化水制备系统采用当今最先进的双级反渗透+EDI工艺纯化水处理技术，更人性化3D设计，符合人体工程学，精致美观、操作简单方便！能有效去除水中各种盐份及杂质，使产水水质满足生物、医药、医疗器械、食品、饮用纯净水生产等行业工艺用水水质要求，系统具有自动化程度高、一键式启动、产水水质稳定、运行费用低、绿色环保、维护方便等优点。

The purified water preparation unit adopts the most advanced primary and secondary reverse osmosis + EDI process purified water treatment technology and more user-friendly 3D design, conforming to ergonomics with elegant and beautiful appearance and simple and convenient operation. It can effectively remove all kinds of salts and impurities in water, so as to make the water produced meet the quality requirements for process water in such industries as biology, medicine, medical devices, food and purified drinking water production. The system has such advantages as high automation degree, one-touch starting, stable quality of water produced, low running costs, environmental protection and convenient maintenance.

技术特点：

1. 采用PLC+触摸屏自动控制方式、稳定可靠、精致美观、一键式启动、操作简单方便。
2. 人性化3D设计，符合人体工程学；触摸屏、开关、仪器、仪表设立的高度、位置，符合国人平均身高，方便操作。
3. 对各组件的动作如：水泵、阀门、水罐液位、设有动态监控画面，（有需要可以升级远程监控）。
4. 设管理权限，分别为：管理员、工程师、操作员三种级别的管理。
5. 手动、自动模式转换方便，具备特殊提醒功能，以防止非操作人员误操作。
6. 对纯化水电导率实施实时的监控，回水端保持最低1m/s以上的流速。以减少纯化水管网微生物过快滋生。
7. 人性化的报警记录与提示功能；当遇到滤材更换周期到、满水、缺水、低压、超压在触摸屏事件记录栏会记录，当遇到水质、压力、流量出现异常会发出报警。
8. 各级水质区段设定合格水与不合格排放到前一段的功能，确保水质稳定安全。（若5分钟内恢复水质合格，在触摸屏上记录栏记录，超过时间不恢复发出报警）。
9. 为了实现各区段无死角，若纯化水罐满水后2两小时无波动，会触发整个系统微循环，防止管道长时间不流动滋生微生物。
10. 设水质纠偏功能，有最低使用水质预警功能，不会出现紧急的状态。



Technical features:

1. It adopts PLC + touch screen automatic control, featured by good stability and reliability, elegant and beautiful appearance, one-touch starting, easy and convenient operation.
2. The user-friendly 3D design conforms to ergonomics. The height and position of touch screen, switch, instrument and meter are in line with average height of people, making operation easy.
3. The operations of various components such as pumps, valves and tank liquid levels are provided with dynamic monitoring pictures. (They can be upgraded into remote monitoring if necessary.)
4. It is provided with three levels of management authority such as administrator, engineer and operator.
5. It is easy to switch between manual and automatic modes. It is provided with a special alarm function to avoid misoperation by people other than operators.
6. Purified water electrical conductivity is monitored in a real-time manner. Water at the water return end is kept at a flow speed of at least 1m/s to lower too fast microbial growth at the purified water pipe network.
7. It is provided with the user-friendly function of alarm recording and indication. In case of expired replacement cycle of filter materials, water overflow, water shortage, low pressure or over pressure, such event will be recorded the touch screen event record column. In case of abnormal situations in water quality, pressure or flow, alarms will be given.
8. Each section is provided with the function of discharging nonconforming water to the previous section to ensure stable and safe water quality. (If water quality restores to be conforming in 5 minutes, the record will be made on the touch screen record column, and an alarm will be given when the time elapses.)
9. In order to realize no dead corner in all sections, if there is no fluctuation two hours after water overflow in the purified water tank, micro circulation in the whole system will be triggered to avoid microbial growth in the pipe because of no flow for a long time.
10. It is provided with the water quality correction function and the function of warning in case of minimum water quality, so that no emergency will occur.

MULTI-EFFECT WATER DISTILLATOR UNIT

多效蒸馏水机

多效蒸馏水机可适用于生物、医药、医疗器械、食品行业 如体外诊断、血液透析、注射水原水、制药厂用水、生物工程实验室等等相关行业。

The Multi-effect water distillator unit is suitable for in vitro diagnosis, hemodialysis, injection raw water, pharmaceutical water and bioengineering laboratories in such industries as biology, medicine, medical devices and food.

技术特点：

1. 所有与原料水，纯蒸汽及注射用水接触的部位均为316L材质。
2. 不锈钢表面电化学抛光，保证生产注射用水的品质，提高设备使用年限。
3. 外置预热器、冷凝器和第一效蒸发器均为双管板设计，符合cGMP的要求，有效消除低卫生级别介质污染系统的可能性。
4. 所有热的表面均有保温层且外部用304不锈钢壳体围绕。
5. 设备上无移动部件，操作起来比较安静，安全和可靠。
6. 可靠的PLC控制，标准化程序。
7. 完整的文件验证及服务系统。
8. 易于操作及维修。
9. 采用PLC自动控制技术，实现客户不同的控制要求。从最基本的纯蒸汽品质判断和分配，到更高级的如各介质连续调节、与存储系统联动、分级密码控制甚至到蒸发量变化的控制，可以说细致入微。
10. 整机性能工厂测试：在整机测试车间，按照确定的程序，模拟实际工作环境，进行整机测试。



Technical features:

1. All parts that contact raw water, pure steam and water for injection are made of 316L.
2. The stainless steel surfaces are subject to electrochemical polishing to ensure the quality of injection water and improve equipment service life.
3. The external preheater, condenser and first effect evaporator adopt double tube sheet design, meeting cGMP requirements and effectively eliminating the possibility of low level media contaminating the system.
4. All hot surfaces are provided with heat insulation layers and surrounded by 304 stainless steel housings externally.
5. There is no moving part on the equipment, so its operation is quiet, safe and reliable.
6. It adopts reliable PLC control and standardized procedures.
7. It is provided with complete document verification and service system.
8. It is easy to operate and maintain.
9. It adopts PLC automatic control technology to meet different control requirements of customers. Full considerations have been given to the system, from the most basic pure steam quality judgment and distribution to higher class controls such as continuous adjustment of all media, linkage with the storage system, hierarchical password control as well as control of evaporation changes.
10. Machine performance plant test: The machine test is carried out according to the stipulated procedures in the machine test workshop by simulating the actual work environment.

主要技术参数 Main Technical Parameters

项目 Item 型号Type	蒸馏水产量(L/h) Distilled Water Production	蒸汽耗量(kg/h) Steam Consumption	原料水耗量(kg/h) Water Consumption of Raw Materials	外形尺寸(mm) Dimensions
LD100-4	≥ 100	30	110	1350 × 750 × 2100
LD200-4	≥ 200	60	220	1400 × 800 × 2300
LD300-4	≥ 300	90	330	1500 × 960 × 2450
LD500-5	≥ 500	120	550	2170 × 1160 × 2950
LD750-5	≥ 750	180	825	2620 × 1250 × 3100
LD1000-6	≥ 1000	200	1100	2420 × 1250 × 3300
LD1500-6	≥ 1500	320	1650	3240 × 1380 × 3200
LD2000-6	≥ 2000	400	2200	3240 × 1380 × 3400
LD3000-5	≥ 3000	720	3300	3300 × 1500 × 3500
LD3000-6	≥ 3000	600	3300	3760 × 1500 × 3500
LD4000-6	≥ 4000	800	4400	4300 × 1650 × 3600
LD5000-6	≥ 5000	1000	5500	4460 × 1700 × 3600
LD6000-6	≥ 6000	1320	6600	4720 × 1800 × 3800
LD7000-6	≥ 7000	1540	7700	5000 × 1800 × 4000
LD50-4	≥ 50	15	55	1200 × 720 × 1800

PURE STEAM GEMERATOR

纯蒸汽发生器

纯蒸汽发生器是一种以纯化水为原料水，用蒸汽加热制取纯蒸汽的设备，具有结构合理，操作简单，热效率高，能耗低，是医院、制药、电子、食品、饮料行业灭菌消毒的理想设备，是制药工业cGMP达标的首选设备。

纯蒸汽发生器由蒸发器、预热器、电气自动控制部分组成。为确保纯蒸汽质量，蒸发器采用独特的三级分离方式：即升膜蒸发重力沉降螺旋分离。

The Pure Steam Gernerator is a kind of equipment that produces pure steam by adopting deionized water as raw water and using steam heating. With such features as reasonable structure, simple operation, high thermal efficiency and low energy consumption, it is a piece of ideal equipment for sterilization in such industries as hospitals, medicine, electronics, food and beverage, and a preferred device that meets cGMP requirements in the pharmaceutical industry.

The Pure Steam Gernerator consists of evaporator, preheater and electrical automatic control part. In order to ensure pure steam quality, the evaporator adopts a unique three-level separation method: that is, falling film evaporation, gravity settling and screen defoaming.



主要技术参数Main Technical Parameters

项目 Item 型号 Type	纯蒸汽产量(L/h) Output of Pure Steam	加热蒸汽用量(kg/h) Consumption of Heating Steam	纯化水用量(kg/h) Consumption of Purified Water	外形尺寸(mm) Dimensions
LCZ100	≥ 100	125	120	1150 × 900 × 2300
LCZ200	≥ 200	250	240	1200 × 850 × 2300
LCZ300	≥ 300	375	360	1400 × 940 × 2400
LCZ400	≥ 400	500	480	1400 × 940 × 2400
LCZ500	≥ 500	630	600	1500 × 1100 × 2800
LCZ600	≥ 600	755	720	1500 × 1100 × 2900
LCZ700	≥ 700	875	840	1730 × 1100 × 3000
LCZ800	≥ 800	1005	960	1730 × 1100 × 3000
LCZ1000	≥ 1000	1260	1200	1730 × 1100 × 3200
LCZ1500	≥ 1500	1890	1800	1900 × 1200 × 3200
LCZ2000	≥ 2000	2500	2400	2450 × 1250 × 3200

AUTOMATIC DISPENSING UNIT

全自动配液机组

全自动配液系统用于细胞培养、微生物培养的培养基配制和粉针、水针生产线的料液配制系统的在线自动配制、在线CIP/SIP。按照工艺需求配置操作平台、管道、阀门、仪表仪器、电气、控制软件组成完整的模块式设备并完成工厂测试和现场测试及服务。设备制造过程严格遵循GMP，GAMP5,并按照用户需求编制DQ，IQ，OQ方案，严格按照FAT，SAT做好测试工作，可协助用户做好PQ。

The automatic dispensing unit is used for culture medium preparation for cell culture and microbial culture, and online automatic preparation and CIP/SIP for the dispensing system of injection powder and liquid injection production lines. According to process requirements, it is equipped with operating platform, pipe, valve, instrument and meter, electric part and control software, which form complete modular equipment for completing FAT, SAT and other services. The equipment is manufactured in strict accordance with GMP and GAMP5, and DQ, IQ, OQ protocols are established according to user requirements. Tests are carried out in strict accordance with FAT, SAT requirements, and we can help users perform PQ.



主要技术参数Main Technical Parameters

型号 Type 规格 Spec	PLG100	PLG200	PLG500	PLG1000	PLG1500	PLG2000	PLG2500	PLG3000	PLG4000	PLG5000
容积(L) Volume	100	200	500	1000	1500	2000	2500	3000	4000	5000
公称直径(mm) Nominal Diameter	500	600	800	1000	1200	1200	1400	1400	1500	1600
罐内公称压力(MPa) Nominal Pressure in the Tank	0.3									
夹套公称压力(MPa) Jacket Nominal Pressure	0.25~0.6									

CIP/SIP MODULE

CIP/SIP模块

CIP/SIP系统模块是食品、药品生产中卫生标准的前提条件之一，它可以消除活性成分交叉污染，消除异物不溶性微粒，降低或消除微生物及热源对产品的污染。GMP要求尽力推荐食品及制药企业使用CIP在线清洗系统与SIP在线灭菌系统，由于国外CIP/SIP系统模块价格昂贵，制约了我国相关企业的使用。我公司专业技术人员针对诸多问题，对引进的国外先进技术进行消化吸收，研制成功具有自动化程度高，操作简便，价格合理等优点的自动CIP/SIP系统。

CIP/SIP system is one of the prerequisites of food Pharmaceutical 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 recommends that food and pharmaceutical companies use the CIP online cleaning system and SIP online sterilization system, which limits related industries because of the high expense in overseas completely automatically CIP/SIP system. The specialists in our company import and digest international advanced technique, and successfully make automatical CIP/SIP system with high automation, simple operation, and reasonable price.

系统组成

智能型CIP系统为一中央集成系统，包含注射水罐、CIP罐、双管板换热器、管道过滤器、送液泵、回液泵、温度控制仪、液位控制仪、电导率检测仪、PLC触摸屏、控制柜及系统管阀件等组成。

生物制药: 应用于培养基配制、发酵、收获、超滤、纯化、灭活及物料转移设备和管道的在线CIP/SIP.

无菌制剂: 用于物料配制，物料转移，无菌对接设备和管道的在线CIP/SIP.

无菌粉针、水针: 用于物料配制，物料转移，无菌对接设备和管道的在线CIP/SIP.

无菌原料药: 用于物料配制，物料转移，无菌对接设备和管道的在线CIP/SIP.

提高制程可追溯性，有效验证于再验证生产设备的可靠性，降低生产风险。



System composition

The intelligent CIP system is a centralized system, which consists of injection water tank, CIP tank, double tube sheet heat exchanger, liquid delivery pump, return pump, temperature controller, liquid level indicator, electrical conductivity detector, PLC touch screen, control cabinet and system valve and pipe fittings.

Biopharmacy: used for CIP/SIP in equipment and pipes for culture medium preparation, fermentation, harvest, ultrafiltration, purification, inactivation and material transfer

Aseptic preparations: used for CIP/SIP in equipment and pipes for material preparation, material transfer and sterile connection

Aseptic powders and injection: used for CIP/SIP in equipment and pipes for material preparation, material transfer and sterile connection

Sterile bulk drugs: used for CIP/SIP in equipment and pipes for material preparation, material transfer and sterile connection
It improves process traceability, effective validates and revalidates reliability of production equipment and reduces production risks.

MODULAR DISTRIBUTION UNIT

模块化分配机组



根据用户URS，提供物料分配整体解决方案，洁净管道，阀门，仪表仪器，卫生死角，CIP/SIP，电气控制，现场施工质量均能满足新GMP规范和欧盟GMP的认证，并提供全套验证文件。

According to URS, we provide overall material distribution solutions, clean pipes, valves, and instruments and meters. The sanitary dead corner, CIP/SIP, electric control and site construction quality can meet requirements for new GMP and EU GMP certification. In addition, we supply full sets of qualification documents.



CUTOMER SITE

客户现场

项目名称 Project	四川科伦药业股份有限公司脂肪乳配液系统、氨基酸配液系统、葡萄糖配液系统等 Fat Emulsion Dispensing System, Amino Acid Dispensing System, Glucose Dispensing System, Etc. of Sichuan Kelun Pharmaceutical Co., Ltd.
-----------------	---



项目名称 Project	马应龙药业集团股份有限公司无菌眼膏项目 Aseptic Eye Ointment Project of Mayinglong Pharmaceutical Group Limited By Share Ltd
-----------------	---



CUTOMER SITE

客户现场

项目名称 Project	西安安健药业有限公司脂肪乳总包项目 Fat Emulsion General Contracting Project of Xian Anjian Pharmaceutical Co., Ltd
-----------------	--



项目名称 Project	广州白云山医药集团股份有限公司何济公制药厂无菌软膏项目 Aseptic Ointment Project of Guangzhou Baiyunshan Pharmaceutical Group Limited By Share Ltd Hejigong Pharmaceutical Factory
-----------------	---



项目名称 Project	浙江华海药业股份有限公司纯化水分配项目 Purified Water Distribution Project of Zhejiang Huahai Pharmaceutical Co.,ltd
-----------------	--



CUTOMER SITE

客户现场

项目名称 Project	甘肃天祁生物科技有限公司马血清提取总包项目 Serum General Contracting Project of Gansu Tianqi Biotechnology Co.,ltd
-----------------	--



项目名称 Project	沙特大输液总包项目 Large Infusion General Contracting Project of Saudi Arabia
-----------------	---



CUTOMER SITE

客户现场

项目名称 Project	浙江力山明朗生物医药科技有限公司滴眼液总包项目 Eyedrop General Contracting Project of Lishan Minglang Bio-pharm Technology Co.,ltd.
-----------------	---



项目名称 Project	浙江康莱特药业有限公司制水总包项目 Water Production General Contracting Project of Zhejiang Kanglaite Pharmaceutical Co. Ltd
-----------------	--



项目名称 Project	辉凌制药（中国）有限公司无菌水针项目 Aseptic Liquid Injection Project of Huiling Pharmaceutical (china) Co. Ltd
-----------------	--



CUTOMER SITE

客户现场

项目名称 Project	安士制药（中山）有限公司冻干总包项目 Freeze-drying General Contracting Project of Anshi Pharmaceutical (Zhongshan) Co. Ltd
-----------------	---



项目名称 Project	河北道恩药业有限公司脂质体项目 Liposome Dispensing Project of Hebei Daoen Pharmaceutical Co. Ltd
-----------------	--



LIST OF CUSTOMERS

客户名录

衷心感谢广大合作伙伴对上海俄达的支持与厚爱，未来，上海俄达将竭诚为广大用户提供更优质的产品，更周全的服务。一起共谋发展，共图未来！
We cordially thank our partners who have always given support and favor to EDA . In the future, EDA will sincerely provide customers with higher quality products and more considerate services. Let's develop together for a resplendent future.

 科伦药业 KELUN PHARMACEUTICAL	 广药白云山	 浙江医药 ZHEJIANG MEDICINE	 海正药业 HISUN	 华海药业 HUANGHAI PHARMACEUTICAL	 潘高寿药业
 尖峰药业 JIANFENG PHARMACEUTICAL	 通用药业 GENERAL PHARMACEUTICAL	 回音必集团 HUIYINBI GROUP	 昂科 Ankang	 京新药业	 立国制药 TITAN PHARMACEUTICAL
 瑞阳制药 REYOUNG	 民生药业 MINSHENG PHARMA.	 昂利康制药	 国邦药业 GXX	 三生生物科技 SANSHENG BIOLOGICAL TECHNOLOGY	 海力生
 安健药业 ANJIAN PHARMA	 国光药业 Guoguang	 天元生物 TIANYUAN BIO-PHARMA 天元生物	 康恩贝 CONBA	 上海道安药业	 华强集团
 Sinotau	 亚邦集团 YABANG GROUP	 凯夫制药	 常州四药 Changzhou Siyao Pharm	 三禾集团 sanhe group	 国药集团 SINO PHARM
 恒建	 解放军302医院 302 HOSPITAL PLA	 逸舒制药 EASHU PHARMACEUTICAL	 青春宝	 华东医药 HUADONG MEDICINE	 生命圣药 SHENGMINGYAO
 圣和药业 SANHOME	 上海交大昂立股份有限公司 SHANGHAI JIAO DA ONLY CO., LTD.	 彦龙药业	 舒普爱药业 Shapualsi Pharma	 何济公	
 罗欣药业 LUOKUN PHARMACEUTICAL	 齐都药业 QIDU PHARMACEUTICAL	 晨欣药业 中国驰名商标	 Zelgen	 大佛药业 DAPHNE	 冠峰药业 Guangfeng Pharmaceutical
 都邦药业 DUB PHARMACEUTICALS	 力邦企业 Lb	 步长制药 BUCHANG PHARMACY	 南街村	 海默尼药业 Hemont	 A&Z
 FERRING PHARMACEUTICALS	 福安药业 FUAN PHARMACEUTICAL				