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领先的粉体解决方案

LEADING POWDER ENGINEERING SOLUTIONS

目录

CONTENT

事业部介绍 Introduction	03
配料计量包装线 Batching Measuring Packing Line	05
全自动粉体处理线 Automatic Powder Handling Line	06
粉碎、筛分 Crushing & Sifting	07
配料称量 Feeding & Weighing & Batching	09
混合 Blending	11
粉体气力输送 Pneumatic Conveying System	13
CIP清洗系统 CIP Cleaning System	15
包装线配套设备 Packing Line Corollary Equipments	16
阀门配件 Valves And Fittings	17
工程案例 Project Cases	18





国家高新技术企业
国家专精特新小巨人企业
江西省智能制造标杆企业

Nation High-tech Enterprise
National Specialization Special New Small Giant Enterprises
Jiangxi Province Intelligent Manufacturing Benchmarking Enterprise



我们的优势 Our Advantages

系统定制，交钥匙工程

根据客户的粉体特性和需求量身设计、制造、安装和调试，为客户提供一站式粉粒体解决方案

System customization, turnkey project

Design, manufacture, install and debug according to customer requirements, provide customers with one-stop powder solutions.

小批量多批次个性化生产

通过过程自动化系统和设备，利用自动转运和管路切换系统等方式灵活组合拆分，实现不同的个性化订单生产需求。

Small batch and multi-batch personalized production

By the process automation system and equipment, using automatic transfer and pipeline switching system and other ways of flexible combination split, to achieve different personalized order production requirements.

智能工厂，远程协同

通过数字化信息系统，将实时数据与虚拟工厂完全同步，统一协调资源。

Intelligent factory, remote collaboration

Through the digital information system, the real-time data and virtual factory are fully synchronized, and the resources are unified and coordinated.

事业部简介

Introduction

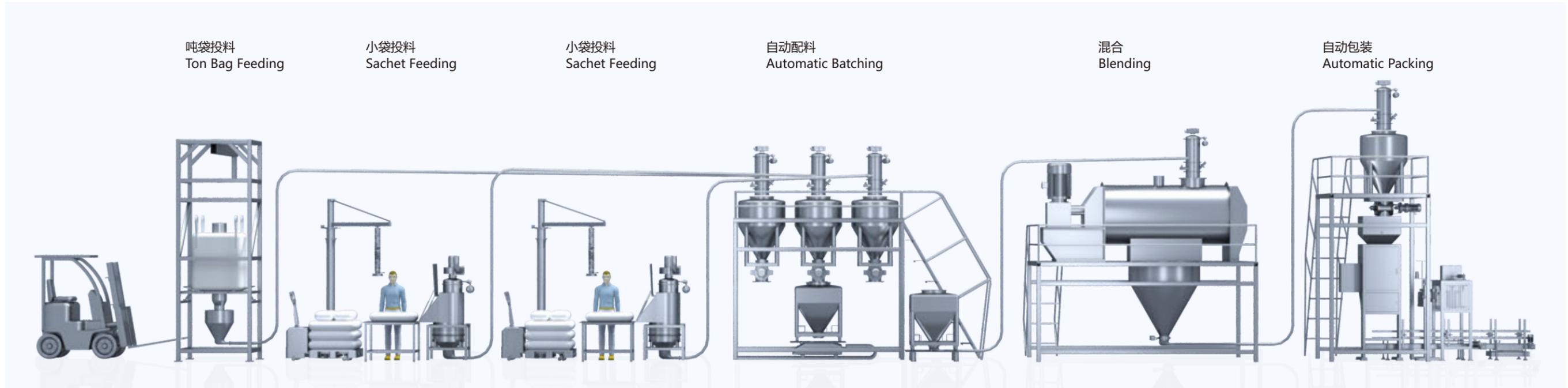
食品、医药、化工粉体技术
成套装备解决方案
为用户提供最优的解决方案

Food, pharmaceutical, chemical powder technology and overall solutions of production line equipment
Provide users with the most optimal technical solutions

宜春万申粉体事业部专注于食品、医药、化工粉体技术和成套装备解决方案，拥有经验丰富的工艺设计、模拟仿真、自动控制、项目管理及验证服务专业团队。具备大型的研发、试验和生产制造基地，结合全球最优质的粉粒体资源，为用户提供最优的解决方案和项目服务。

Yichun Wanshen Powder Engineering Division focuses on food, medicine, chemical powder technology and overall solutions of production line equipment, with experienced professional team of process design, numerical simulation, automatic control, project management and validation services. Relying on large R&D, testing, manufacturing base, combined with the world's best quality powder resources to provide users with the most optimal technical solutions and project Services.

配料计量包装线 Batching Measuring Packing Line



全自动粉体处理线 Automatic Powder Handling Line



粉碎、筛分 Crushing & Sifting



无尘粉碎、筛分系统结构简单，运转平稳、粉碎效果好，物料收率高，颗粒粒度均匀，装拆和清洗方便，符合药品生产的GMP要求。无尘粉碎系统采用先进的集成技术，集物料的投料、粉碎、筛分、物料收集等无尘化作业一体，通过定量给料机构实行匀速给料，确保粉碎后粒径的均匀分布范围，系统实现一键式操作。

Dust-free crushing and sifting system has the advantages of simple structure, stable operation, good crushing effect, high material yield, uniform particle size, convenient assembly, disassembly and cleaning, which conforms to GMP requirements for drug production. Dust-free crushing system adopts advanced integration technology, set the material feeding, crushing, screening, material collection and other dust-free operations, through the quantitative feeding mechanism to implement uniform feeding, to ensure the uniform distribution of particle size after crushing, the system to achieve one-button operation.

振动筛 Vibro Sifter

- ▲网架设计，换网快。
- ▲筛分最细至1000目。
- ▲移动方便不受区域限制。
- ▲Screen frame design, quick screen change.
- ▲The finest sieving to 1000 mesh.
- ▲Easy to move without regional restrictions.



产品特点 Machine Features

- ▲投料、粉碎，筛分，称量过程全密封，实现无尘化作业。
- ▲机电一体化集成，可根据客户的要求集成其他工艺设备。
- ▲整体系统结构简单，方便拆卸清洗。
- ▲粉碎形式多样化，根据适用条件选配。
- ▲冷却夹套设计适用于热敏性物料。
- ▲自动化程度高，系统具有很强扩展能力。
- ▲生产能力大，高效节能，收率高。

- ▲Feeding, crushing, sifting weighing process fully sealed, dust - free operation.
- ▲Mechatronics integration, other process equipment can be integrated according to customer requirements.
- ▲Simple structure, convenient to disassemble and clean.
- ▲Diversified crushing forms, can be optional according to the applicable conditions.
- ▲Cooling jacket design is suitable for heat sensitive materials.
- ▲High degree of automation, strong ability to expand.
- ▲Large production capacity, high efficiency and energy saving, high yield.



无尘投料
Dust-free Feeding

粉碎
Crushing

筛分
Sifting

计量分装
Measuring & Subpackage

无尘粉碎机 Universal Mill

- ▲活动齿盘和固定齿盘间的相对运动。
- ▲粉碎粒度60-120目。
- ▲粉尘吸尘箱过滤回收。
- ▲Relative movement between movable chainring and fixed chainring.
- ▲Crushing particle size 60-120 mesh.
- ▲Dedusting box filtering and recycling.



气流粉碎机 Air Jet Mill

- ▲高速气流碰撞粉碎。
- ▲粉碎粒度200-2000目。
- ▲适用热敏性物料的粉碎。
- ▲High-speed airflow collision and crushing.
- ▲Crushing particle size 200-2000 mesh.
- ▲Suitable for crushing of heat-sensitive materials.



锤式粉碎机 Hammer Mill

- ▲机头易拆卸。
- ▲粉碎粒度60-400目。
- ▲筛网开孔率高达40%。
- ▲The head is easy to disassemble.
- ▲Crushing particle size 60-400 mesh.
- ▲The opening rate of the screen is up to 40%.



微粉碎机 Micro-Mill

- ▲转速高达18000rpm。
- ▲粉碎粒度60-900目。
- ▲模块化设计。
- ▲Speed up to 18000rpm.
- ▲Crushing particle size 60-900 mesh.
- ▲Modular integrated design.



配料称重 Feeding & Weighing & Batching

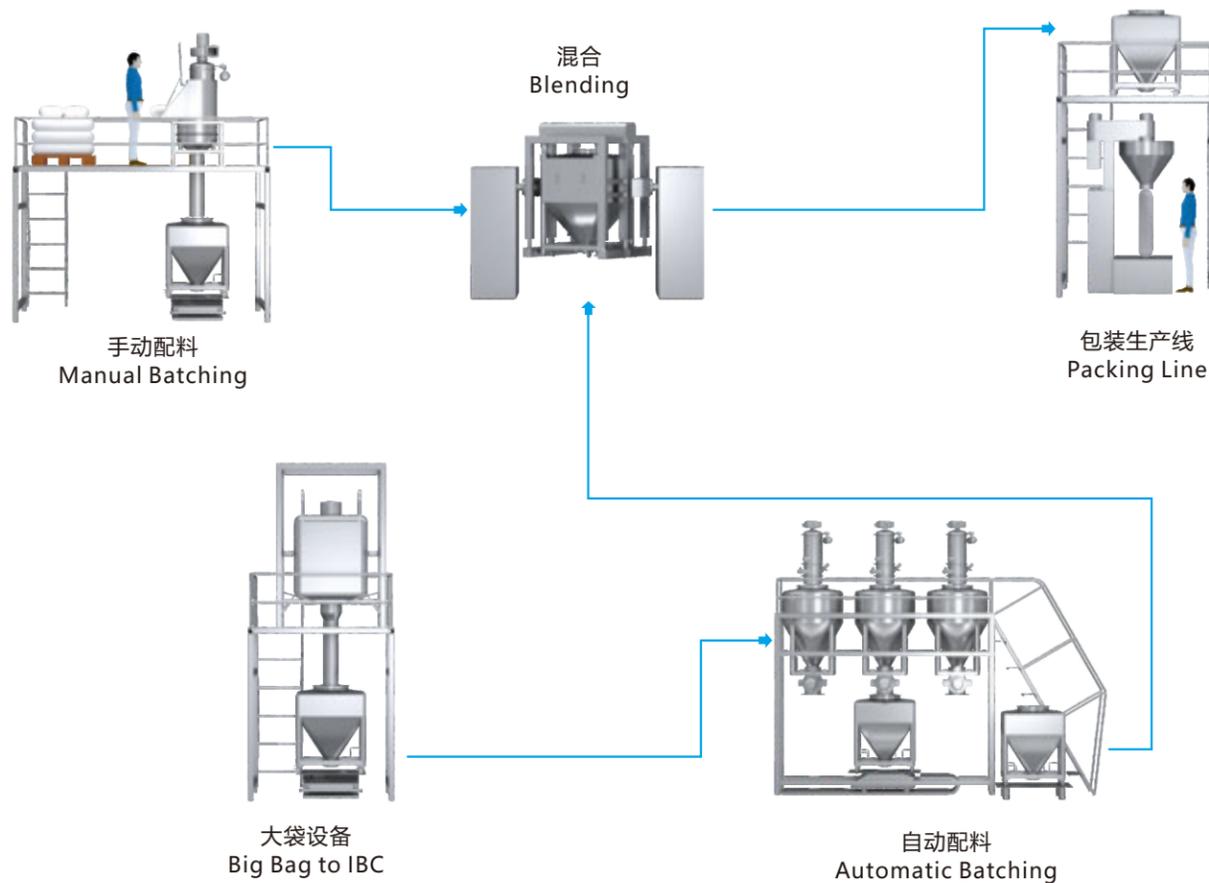
配料称料系统由投料系统、计量系统和输送系统等部分组成，上料形式根据物料不同，可以采用真空上料或者是提升机上料。高位缓冲罐下方设有螺旋给料器、自动连接装置，称量料斗等。通过自动控制程序，可按照工艺配方设定物料量，实现自动配料。

The batching and weighing system is composed of feeding system, measuring system and conveying system, etc. The feeding ways can be vacuum feeding or lifting machine feeding according to different materials. A screw feeder, an automatic coupling device and a weighing hopper are arranged below the high-level cache tank. By the automatic control program, the material quantity can be set according to the process formula to realize the automatic batching.

产品特点 Machine Features

- ▲自动运行，无需干预。
- ▲同步复核，控制差错。
- ▲气流密封，提高精度。
- ▲智能控制，配方保密。
- ▲储存控制，储存信息。

- ▲Auto operation, Without intervention.
- ▲Synchronous review, Control error.
- ▲Air seal, Upgrading precision.
- ▲Intelligent control, Confidential formula.
- ▲Storage control, Storing information.



配套设备 Corollary Equipment



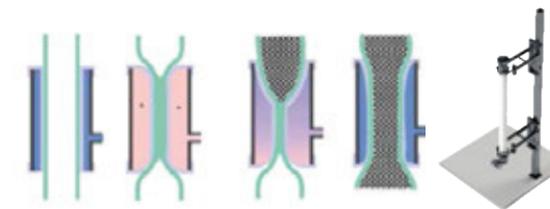
无尘投料站 Dust-free Feeding Station

- ▲独立除尘装置，无粉尘泄漏。
- ▲符合人体工程学，投料效率高。
- ▲可配备辅助提升机构，减轻劳动强度。
- ▲可集成剔除、筛分、粉碎等功能，实现连续作用。
- ▲独特网架设计，受力均匀，更换方便。
- ▲无死角设计，便于清洁期。
- ▲Independent dust removal device, no dust leakage.
- ▲In line with ergonomics, high feeding efficiency.
- ▲Can be equipped with auxiliary lifting mechanism, reduce labor intensity.
- ▲Can be integrated elimination, screening, crushing and other functions, to achieve continuous effect.
- ▲Unique grid design, uniform force, easy to replace.
- ▲No dead corner, easy to clean.



吨袋解袋站 Ton Bag Unloading Station

- ▲结构简单，便于操作。
- ▲密闭式开袋，杜绝粉尘飞扬，改善工作环境，降低生产成本。
- ▲开袋、拍打设施结构紧凑，下料完全，残留量少，操作方便。
- ▲配有称重系统，可实现定量出料。
- ▲Simple structure, easy to operate.
- ▲Closed bag opening can prevent dust from flying, improve working environment and reduce production cost.
- ▲Compact structure of the bag opening and flapping, complete feeding, less residual and easy operation.
- ▲Equipped with weighing system, can achieve quantitative discharge.



减速管 Decelerator

- ▲通过减速管控制产品下落，防止物料分层。
- ▲Using the decelerator to control the product transfer without segregation.



自动配料系统 Automatic Batching System

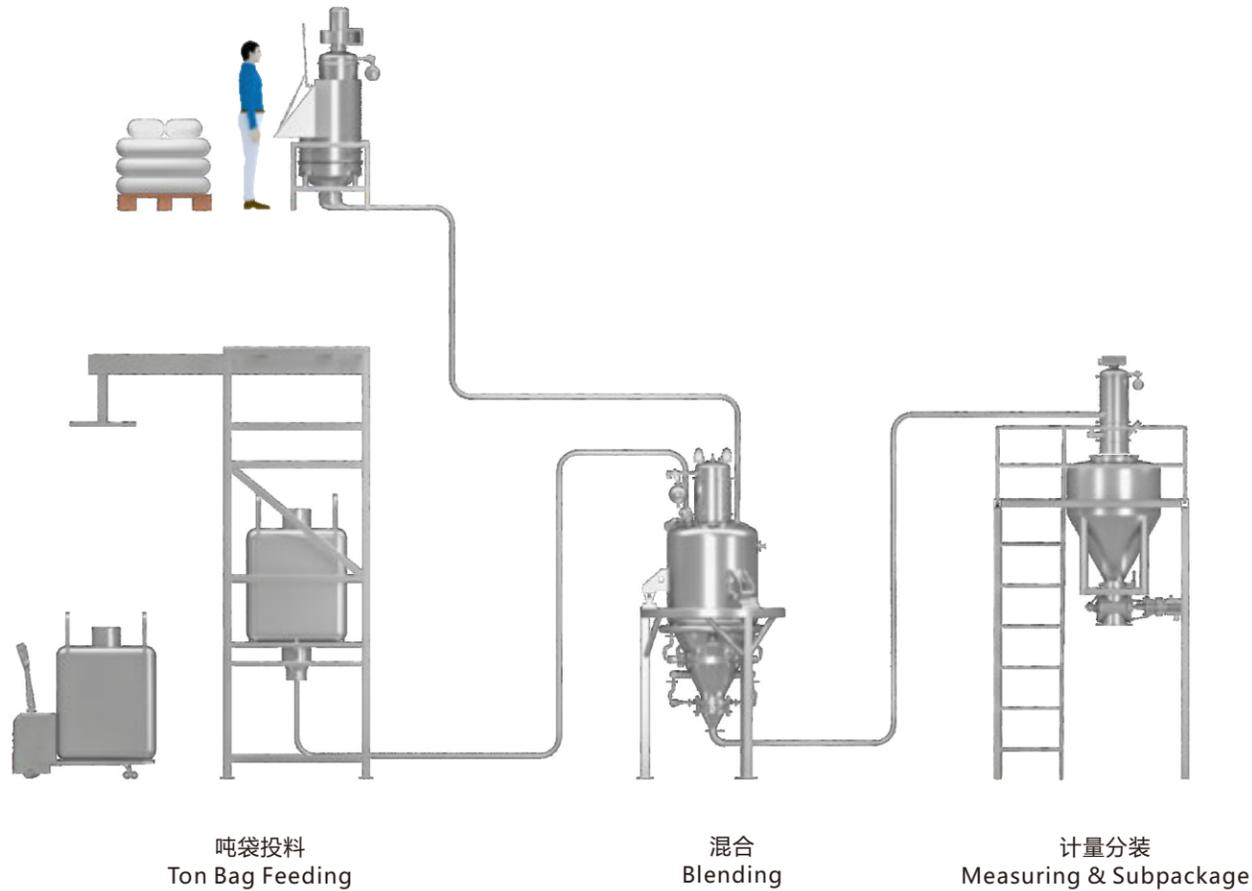
- ▲可选择线形或环形自动称配系统，满足不同场景需求。
- ▲Linear or annular type automatic batching system can be selected to meet the requirements of different scenarios

混合、分装 Blending & Subpackage

混合均匀度高，有效控制粉尘与交叉污染，减少物料的损失，无死角，易清洗，符合药品生产的GMP要求。主要的混合机器有：方锥混合机、气流混合机、卧式螺带混合机、全自动提升混合机。

High mixing uniformity, effective control of dust and cross contamination, reduce the loss of materials, no dead angle, easy to clean, in line with the GMP requirements of drug production. The main mixing machines are: square cone mixer, airflow mixer, horizontal screw belt mixer, automatic lifting mixer.

小袋投料
Small Bag Feeding



配套设备 Corollary Equipment



气流混合机 Airflow Blender

- ▲无运动部件，密闭易清洗。
- ▲混合均匀性高，混合时间短。
- ▲No moving parts, airtight and easy to clean.
- ▲High mixing uniformity and short mixing time.



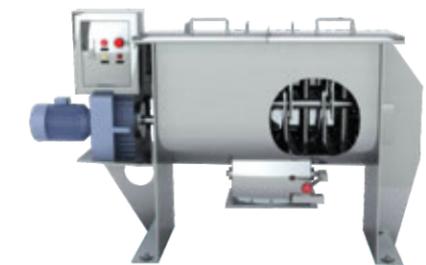
方锥混合机 Square Cone Bin Blender

- ▲容器旋转，无死角，装料系数高。
- ▲混合均匀性好。
- ▲回转高度低，运转平稳。
- ▲The container rotates, there is no dead angle, and the charging coefficient is high.
- ▲Good mixing uniformity.
- ▲Low rotation height, stable operation.



全自动提升混合机 Automatic Lifting Bin Blender

- ▲自动提升，混合，下降。
- ▲回转体与轴线成30°夹角，混合效果好。
- ▲易实现自动化对接。
- ▲Automatic lifting, mixing, and falling.
- ▲The rotating body forms an angle of 30° with the shaft, and the mixing effect is good.
- ▲Easy to realize automatic docking.



卧式螺带混合机 Horizontal Ribbon Blender

- ▲适合易结团，流动性较差的粉体物料混合。
- ▲双层螺旋叶片，混合速度快。
- ▲装载系数高，出料快。
- ▲Suitable for mixing easy agglomeration, poor fluidity powder materials.
- ▲Double helix blades, mixing fast.
- ▲High loading coefficient, discharging fast.

CIP清洗系统 CIP Cleaning System

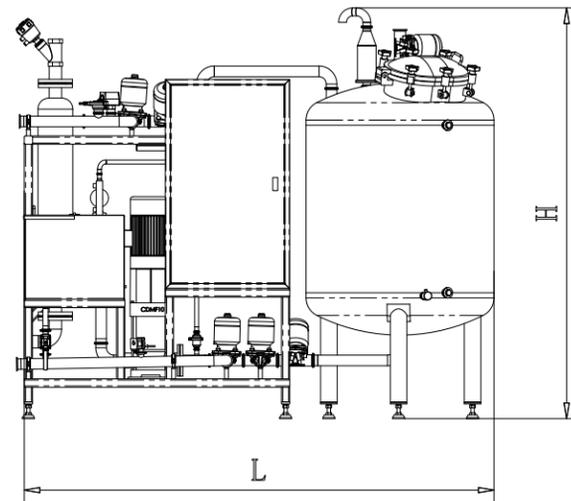
根据清洗工序所需要，CIP清洗系统设计酸、碱、热水、软水四道工序，酸碱罐带有搅拌装置，克服了原始拆卸清洗的缺点，是提高产品质量的可靠保证，同时降低了原料的损耗。

According to the requirements of the cleaning process, CIP system is designed with four processes: acid, alkali, hot water and soft water. The acid and alkali tank is equipped with a mixing device, which overcomes the disadvantage of original disassembly cleaning, and is a reliable guarantee to improve product quality and reduce the loss of raw materials.

产品特点 Machine features

- ▲本设备选配换热气，无需用户提供热水水源。
- ▲出水口可连接多台设备，可供几台设备的在线清洗。
- ▲清洗的工艺与程序可在触摸屏上设置与调用，自动化程度高，操作简单。

- ▲This machine is optionally equipped with heat exchanger, if users have no hot water source.
- ▲The outlet can be connected to several devices for online cleaning.
- ▲The cleaning process and program can be set and called on the touch screen, with high automation program and simple operation.



包装线配套设备 Packing Line Corollary Equipments



包装机 Packing Machine

- ▲螺杆喂料精度高，速度快，落差修正，超差报警。
- ▲新型夹袋器，密封性能好，大小可更换，适应多种尺寸包装袋。
- ▲自动缝包、整袋，适合全自动操作。
- ▲Screw feeding accuracy, high speed, drop correction, over-tolerance alarm.
- ▲New type of bag holder, good sealing performance, changeable size, suitable for packaging bags of various sizes.
- ▲Automatic bag sewing, bag shaping, suitable for fully automatic operation.

吨袋包装机 Ton Bag Packing Machine

- ▲加料、包装无级调速，包装精度高，速度快。
- ▲防尘除尘设计先进，减低工作环境下的粉尘污染。
- ▲配有通讯结构，便于联机联网，实现自动操作。
- ▲Feeding and packaging stepless speed regulation, high packaging precision and fast speed.
- ▲Advanced dust-proof and dedusting design to reduce dust pollution in the working environment.
- ▲Equipped with communication structure to facilitate online networking and realize automatic operation.



金检机 Metal Detector

- ▲检测并分离磁性或非磁性杂质。
- ▲密封性好，无清洁死角。
- ▲高精度、抗干扰。
- ▲Detect and separate magnetic or non-magnetic impurities.
- ▲Good sealing, no clean dead corners.
- ▲High precision and anti-interference.



磁栅 Magnetic Grid

- ▲无能耗、无污染、结构简单。
- ▲磁棒采用交错式排列方式，强磁区域充分利用。
- ▲No energy consumption, no pollution, simple structure.
- ▲The magnetic bars are arranged in a staggered manner, and the strong magnetic area is fully utilized.



检重机 Check-Weighing Machine

- ▲精度高，称重快。
- ▲剔除不合格产品。
- ▲动态重量自动补偿。
- ▲零点自动分析和跟踪。
- ▲High precision and fast weighing.
- ▲Eliminate substandard products.
- ▲Dynamic weight automatic compensation.
- ▲Zero point automatic analysis and tracking.



换向阀
Reversing Valve



助流附件
Flowaid Components



旋转下料阀
Rotating Discharging Valve



密闭透明柔性连接
Closed Transparent Soft Connection

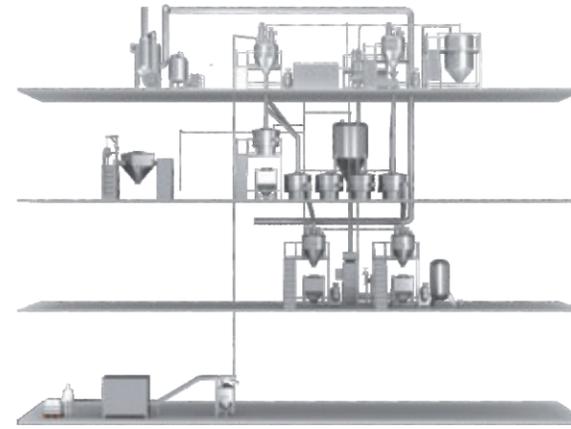


透气柔性连接
Ventilated Soft Connection

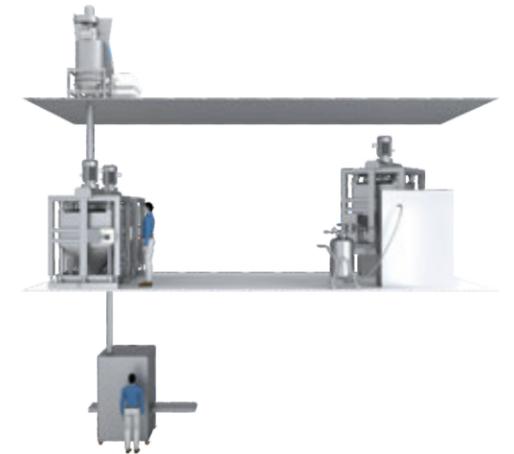


气力输送阀
Pneumatic Conveying Valve

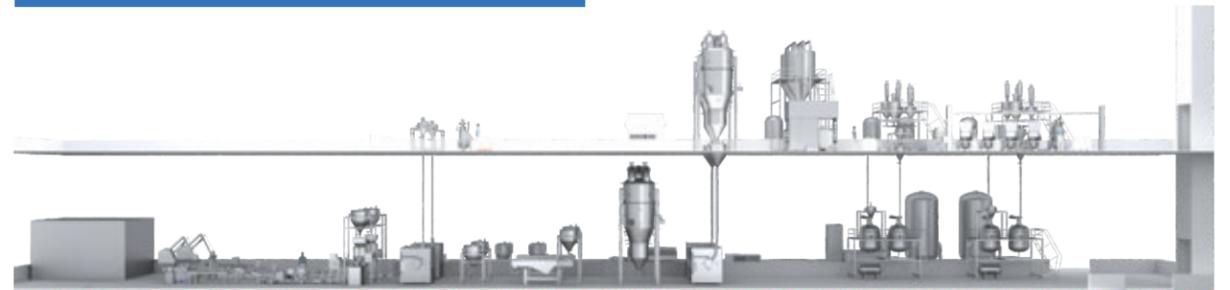
制药行业案例 Pharmaceutical Case



食品行业案例 Food Case



化工行业案例 Chemical Case



案例现场 Case On-site

