

恒尔

一切为了让您更省心

ALL OUR EFFORTS
FOR YOUR CONVENIENCE

恒尔包装设备产品手册

HENLL PACKAGING EQUIPMENT GUIDE

广州恒尔电子有限公司

GUANGZHOU HENLL ELECTRONICS EQUIPMENT CO., LTD.

地址：广州市番禺区沙头街道丽俊路57号

ADD: No. 57 Lijun Road, Shatou Street, Panyu District, Guangzhou 511400, China.

邮箱：jt@henll.cn

E-MAIL: jt@henll.cn

电话：13533334006

TEL: +086 13533334006



电子画册



加我好友

恒尔科技 | 服务全球

HENLL TECHNOLOGY, SERVE YOUR NEEDS

HENLL 恒尔
— ELECTRONICS —



恒尔科技 | 服务全球

HENLL TECHNOLOGY, SERVE YOUR NEEDS

恒尔释义

恒：《易经·序卦传》：恒者，久也 寓“永恒、持久”；持久不变的意志，代代相传的品质和产品。
尔：《楚辞·橘颂》：尔，汝也寓“你、你们”；泛指芸芸众生。

恒尔：以持久不变的意志和产品，服务芸芸众生，为你我他事业成就和未来生活做持之以恒的不懈奋斗。

DEFINITION OF “HENLL”

“HENLL” In Chinese, the words "恒 Héng" and "Ěr" represent two characters.

恒： "Héng" in 《I Ching·Xu Gua Zhuan》 means long-lasting, symbolizing "eternity and persistence"; it represents the unchanging will, the quality and products passed down from generation to generation.

尔： In 《Chu Ci·Ju Song》, "Ěr" refers to "you", signifying "you, yours"; it generally refers to all beings.

恒尔 Héng Ěr： With an unchanging will and products, serving all beings, persistently striving for the achievement of our respective careers and the future life.



目录 CATALOG

企业简介 COMPANY PROFILE

公司介绍
Company introduction
企业文化
Corporate culture
资质荣誉
Credentials and Honors
服务体系
Service system

05-12

坩埚装料&吸料系统 HG-系列 CRUCIBLELOADING&UNLOADING SYSTEM

石墨坩埚自动填充机
Graphite crucible automatic loading machine
坩埚自动吸料机
Crucible automatic suction machine

13-18

粉料包装机类 HE-系列 POWDER PACKAGING MACHINE HE-SERIES

粉料半自动包装机
Powder semi-automatic packaging machine
粉料全自动包装机
Powder fully automatic packaging machine
粉料半自动吨袋包装机
Powder semi-automatic FIBC Jumbo Bag packaging machine
全自动吨袋包装机
Fully automatic FIBC Jumbo Bag packaging machine

19-36

颗粒包装机类 HK-系列 GRANULAR PACKAGING MACHINE

全自动高速给袋式线缝包装机组(10-25kg)
Full Automatic High-speed Bag Sewing Packaging Unit (10-25kg)
自动高速给袋式真空热封定型一体机(50kg)
Automatic High-Speed Bag Vacuum Sealing and Forming Integrated Machine Unit (50kg)
全自动高速给袋式线缝包装机组(50kg)
Full Automatic High-Speed Bag Sewing Packaging Unit (10-25kg)
全自动给袋式线缝包装机组(50kg)
Full Automatic Bag Sewing Packaging Unit (50kg)
全自动给袋式热封包装机组(50kg)
Full Automatic Bag Heat-sealing Packaging Unit (50kg)
全自动给袋式抽真空定型热封一体机(50kg)
Full Automatic Bag Vacuum forming & Heat-sealing Integrated Machine Unit (50kg)

37-42

真空封口机类(适用于小袋、大袋、吨袋) HT-系列 VACUUM SEALING MACHINE (SUITABLE FOR SMALL BAG, LARGE BAG, FIBC JUMBO BAG) HT-SERIES

全自动箱式真空封口机
Fully Automatic cabinet vacuum sealing machine
半自动箱式真空封机 (1-50kg)
Semi-Automatic cabinet vacuum sealing machine (1-50kg)
全自动快速沉淀箱
Fully Automatic Rapid vacuum setting tank
吨袋箱式升降真空封口机
FIBC Jumbo Bag Cabinet lifting vacuum sealing machine
吨袋箱式两侧升降门真空封口机
FIBC Jumbo Bag Cabinet Two Sides Lift Door Vacuum Sealing Machine
吨袋箱式水平开门真空封口机
FIBC Jumbo Bag Cabinet horizontal door vacuum sealing machine
全自动热封线缝一体机
Fully automatic heat sealing and sewing integrated machine.
外置式真空封口机
External vacuum sealing machine

43-54

大袋、吨袋物流成套输送包装设备 HF-系列 LARGE BAG、FIBC JUMBO BAG COMPLETE PACKAGING AND CONVEYING EQUIPMENT

供栈板系统
Pallet feeding system
在线自动复称系统
Online reweighing system
吨袋专用五面整形机
Five-side Shaping Machine for FIBC Jumbo Bag
全自动吨袋叠包机
Automatic FIBC Jumbo Bag stacker machine
输送链板线
Conveyor chain plate line
输送滚筒线
Conveyor drum line

55-59

EPC 项目系列 EPC PROJECT COLLECTION

自动配料系统系列
Automatic batching system series
整线设备
Whole line equipment
部分客户
Honorary customers
技术支持
Technical support

60-70



ABOUT US

关于我们



广州恒尔电子有限公司于2010年8月成立，是一家集研发、生产、销售、服务为一体的高新技术企业及专精特新企业。专注于研发、生产、销售和服务。我们致力于成为后端包装码垛自动装卸车系统的整体解决方案制造商和服务商，专注于解决各行业粉体和颗粒包装难题。

凭借丰富的自动化包装领域经验和成熟技术服务实力，我们在包装和自动化生产线领域迅速崛起。我们的产品被广泛应用于新能源、化工、医药、食品、肥料、饲料、粮食等行业，利用现代科技为传统产业赋能，大幅提升包装线自动化水平和整体效能。

我们全体员工致力于实现“恒尔科技，服务全球，一切为了让您更省心”的目标。公司产品严格把控质量，已取得ISO9001质量管理体系、ISO14001环境管理体系和ISO45001职业健康安全管理体系等认证。我们积极对标国际先进设备制造商，力求超越海外优质设备制造企业，在世界舞台上展现中国制造的卓越品质和专业实力。

Guangzhou Henll Electronics Equipment Co., Ltd. was established in August 2010 as a high-tech enterprise integrating research and development, production, sales, and service. We specialize in providing comprehensive solutions as a manufacturer and service provider for backend packaging stacking and unloading systems, focusing on addressing challenges in powder and granule packaging across various industries.

With abundant experience in the field of automated packaging and mature technical service capabilities, we have rapidly emerged as a leader in the packaging and automated production line sectors. Our products are widely utilized in industries such as new energy, chemical, pharmaceutical, food, fertilizer, feed, and grain, leveraging modern technology to significantly enhance the automation level and overall efficiency of packaging lines.

All our employees are committed to achieving the goal of "Henll Technology, Serve your needs", and "All our efforts, for your convenience." The company highlight quality control and has obtained certifications such as ISO9001 Quality Management System, ISO14001 Environmental Management System, and ISO45001 Occupational Health and Safety Management System. We actively benchmark against international advanced equipment manufacturers, striving to surpass overseas counterparts and showcase the excellence and professionalism of Chinese manufacturing on the world stage.

18000m²



厂房制造面积

8000 m² Factory manufacturing area

1000套



已产能1000套

1000 sets have been produced

20多种



现代化加工设备

20 More+ types Modern processing equipment

60多项



专利荣誉证书

Over 60 Patent Honorary Certificates



高新技术企业

High-tech enterprises

2022-2024

营销外练 厚积薄发

Marketing practice outside,
accumulate a lot of experience
before making a move.

2018-2021

荣誉加持 市场为王

Honored enhancement,
market is king.

2014-2017

聚势奋进 再创新高

Gather strength and forge
ahead to reach new heights.

2010-2013

奠定基石 脱颖而出

Lay the cornerstone,
stand out from the crowd.

发展历程

COMPANY DEVELOPMENT

公司搬迁至广州市番禺区沙头街，面积18000平米

The company has relocated to Shatou Street, Panyu District, Guangzhou City, covering an area of 18,000 square meters.

河南省济源市商务局局长赵寒冬携领导班子莅临我司参观考察

Zhao Han Dong, the director of the Jiyuan City Bureau of Commerce in Henan Province, along with the leadership team, visited our company for inspection and observation.

河南省开封市领导班子莅临我司参观考察

The leadership team from Kaifeng City, Henan Province, visited our company for inspection and observation.

广东省广州市领导班子莅临我司参观考察

The leadership team from Guangzhou City, Guangdong Province, visited our company for inspection and observation.

被评为专精特新中小型优质企业

Awarded as a specialized, refined, distinctive, and innovative small and medium-sized high-quality enterprise.

获全国3.15诚信企业称号

Received the National March 15th Integrity Enterprise Award.

获得广东省高新技术产品证书

Obtained the Guangdong Province High-tech Product Certificate.

被评为AAA级全国质量服务诚信示范单位

Rated as an AAA-level National Quality Service Integrity Demonstration Unit.

通过GB/T19001-2016/ISO9001:2015标准

Passed the GB/T19001-2016/ISO9001:2015 standard.

被评为全国重合同守信用信誉企业

Awarded as a national enterprise that values contracts and honors credit.

获粉体行业奖项评选“最受关注品奖”

Won the "Most Attention Product Award" in the powder industry award selection.

首个吨包箱式真空封口机，填补了吨包抽真市场的空白

The first ton-bag box-type vacuum sealing machine fills the gap in the market for vacuum sealing ton-bags.

首创大米行业专用给袋式包装机械

Innovative Bagging Packaging Machine Specifically for the Rice Industry

首创饲料行业专用饲料生产用油控制系统，并广泛应用于海大集团国内外工厂

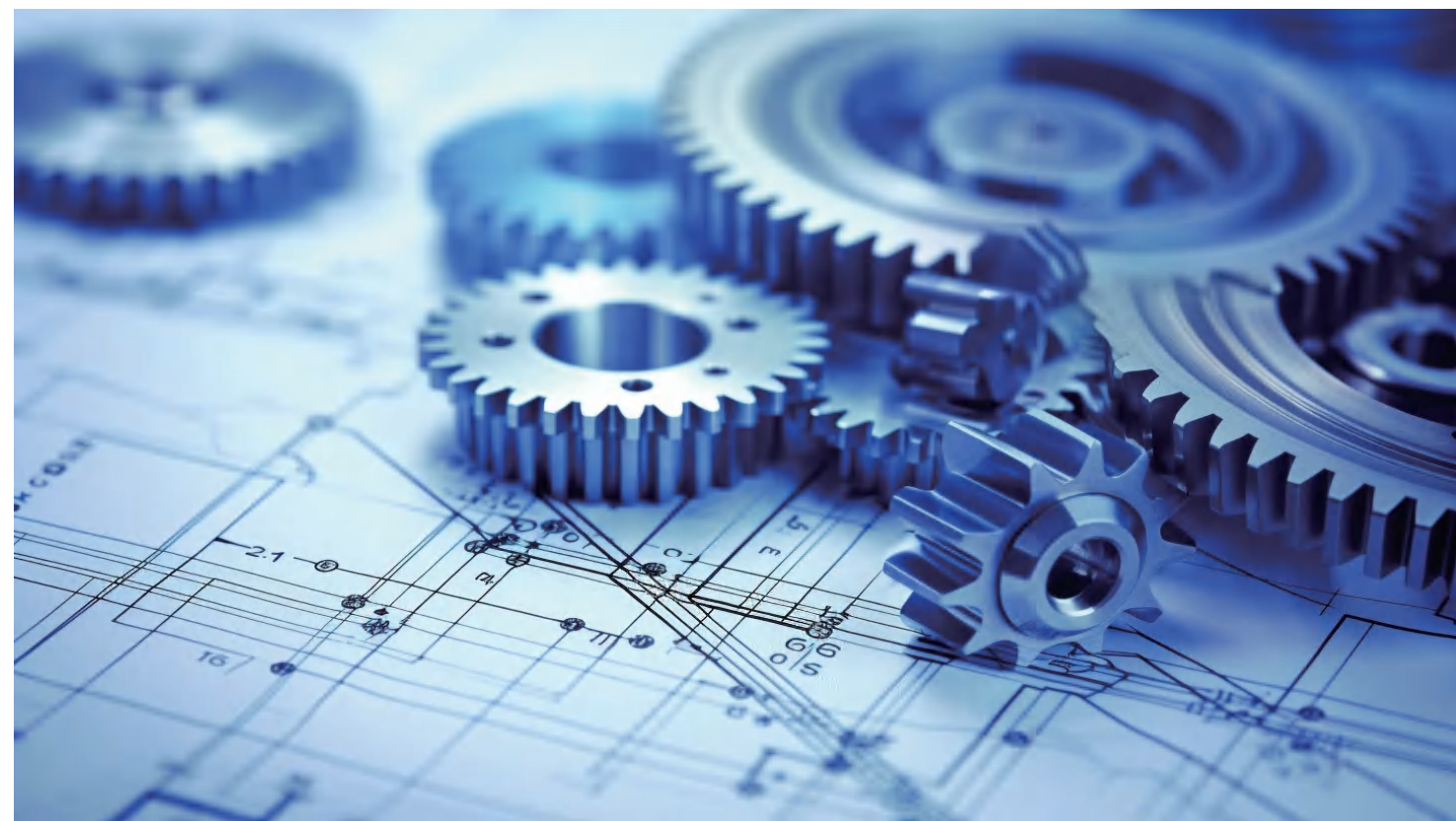
Innovative Oil Control System for the Feed Industry, Widely Applied in Domestic and Overseas Factories of Hai Da Group

2010年公司在广州市番禺区南村镇正式成立

The company was officially established in Nancun Town, Panyu District, Guangzhou City in 2010.

自主研发国内第一台脱气式螺旋包装机，并首创“脱气包装”概念，从此脱气包装成为行业内专业术语

Independently developed the first domestic deaeration screw packaging machine and pioneered the concept of "deaeration packaging," making deaeration packaging a professional term in the industry.



TECHNICAL HIGHLIGHT

技术高光

2012年

推出“超细粉脱气式螺旋包装机”从此脱气包装成为行业内专业术语。
Launched "ultrafine powder degassed spiral packaging machine" since degassed packaging has become a professional term in the industry.

2014年

推出大米行业专用给袋式包装机械，帮助企业实现无人化包装。
Launched rice industry special to the bag packaging machinery to help enterprises achieve unmanned packaging.

2015年

自主研发的饲料专用减重式智能喷油控制系统，智能量化科学标准用油。
Independent research and development of feed special weight reduction intelligent fuel injection control system, intelligent quantification of scientific standard oil.

2020年

首创吨包箱式真空封口机，填补行业空白，攻克吨包市场抽真空困难的现象。
The introduction of the first ton-bag box-style vacuum sealing machine fills a gap in the industry, overcoming the difficulty of vacuum extraction in the ton-bag market.

首个自动复秤系统的推出，自动校正包装误差，实现无人化复秤。

The launch of the first automatic reweighing system automatically corrects packaging errors, achieving unmanned reweighing.

自主研发的全自动吨袋包装机系统，开创行业自动吨袋包装全程无人化先河。

The independently developed fully automatic ton-bag packaging machine system pioneers the industry by realizing full automation and unmanned operation in ton-bag packaging processes.

企业使命

CORPORATE MISSION

助力全球工业企业智能制造， 打造中国品牌

Help global industrial enterprises intelligent manufacturing, Build a Chinese brand

企业愿景

CORPORATE VISION

成为客户信赖，受人尊敬的 工业智慧物联技术服务商

Become a trusted and respected industrial intelligent
iot technology service provider

核心价值观

CORE VALUES

成就客户 服务至上 以人为本 创新驱动

Achieve customers Service first people oriented Innovation driven

- ▶ **品牌SLOGAN:** 恒尔科技、服务全球，一切为了让您更省心
slogan: Henll Technology, serving the world, everything is to make you more worry free
- ▶ **经营方针:** 科技+服务
Business Policy: Technology+Services
- ▶ **经营理念:** 质量是根本，创新是血液、服务是生命
Business philosophy: Quality is fundamental, innovation is blood, and service is life
- ▶ **质量方针:** 持续改善、精益求精
Quality policy: Continuous improvement, constantly strive for perfection
- ▶ **行为准则:** 一言一行对企业负责；一举一动为客户着想
Code of Conduct: Responsible to the enterprise in every word and action, Every move and action Considering customers



专利加持 荣誉高亢

MODIFIED PLASTIC SINGLE MACHINE



2016年04月 含油饲料的生产系统及油量控制系统
Production System and Oil Quantity Control System for Oil-Containing Feed

2016年05月 一种脱气桶和包装机
A Degassing Barrel and Packaging Machine

2018年02月 一种超细粉大容量脱气包装机
A Superfine Powder High-Capacity Degassing Packaging Machine

2018年02月 真空包装机的压力控制系统及超细粉真空包装机
Pressure Control System of Vacuum Packaging Machine and
Superfine Powder Vacuum Packaging Machine

2018年02月 超细粉包装缓冲搅拌桶及超细粉包装机
Superfine Powder Packaging Buffer Stirring Barrel and Superfine Powder Packaging Machine

2018年02月 自动包装机的给袋装置及自动包装机
Automatic Packaging Machine's Bag-Supplying Device and Automatic Packaging Machine

2018年03月 自动包装机的夹送装置及自动包装机
Automatic Packaging Machine's Clamping and Conveying Device and Automatic Packaging Machine

2018年03月 自动包装机的进料装置及自动包装机
Automatic Packaging Machine's Feeding Device and Automatic Packaging Machine

2018年03月 自动包装机的取袋装置及自动包装机
Automatic Packaging Machine's Bag-Picking Device and Automatic Packaging Machine

2018年03月 自动包装机的热封装置及自动包装机
Automatic Packaging Machine's Heat-Sealing Device and Automatic Packaging Machine

2019年05月 一种自动运行生产车
An Automatic Running Production Vehicle

2019年05月 一种双螺旋变速输送机
A Double Helix Multi-Speed Conveyor

2019年05月 一种抽真空给袋吸立装置
A Vacuum Extraction Bag-Suction Standing Device

2019年05月 一种高密封主轴组件
A high-sealing spindle assembly

2019年05月 一种超细粉料脱气下料口装置
A device for degassing and discharging ultra-fine powder materials

2019年05月 一种电动伸缩倒缩阀门装置
An electrically operated telescopic valve device

2019年12月 一种多级真空抽真空装置
A multi-stage vacuum pumping device

2022年03月 颗粒包装机的热封装置及自动包装机
The heat-sealing device of a granular packaging machine and
an automatic packaging machine

2022年12月 一种多级真空泵推车
A multi-stage vacuum pump cart

2022年01月 一种翻板阀门装置
A flap valve device

2022年09月 一种分段式水平双螺旋输送机
A segmented horizontal double spiral conveyor

2022年09月 一种负压除尘装置
A negative pressure dust removal device

2022年11月 一种高密封主轴组件
A high-sealing spindle assembly

2022年05月 一种颗粒料脱气下料口装置
A device for degassing and discharging granular materials

2022年05月 一种气动伸缩插板阀门装置
A pneumatic telescopic plug valve device

铁三角服务体系 完美的闭合循环

The iron triangle service system is a perfect closed loop.

面对客户公司采用内部最核心的三大服务体系,根据不同客户的特点和需求,组建专家团队为客户提供满意的解决方案,这也是大企业选择我们的关键。

Facing customers, our company adopts the three most core service systems internally, forming an expert team to provide satisfactory solutions for customers according to the characteristics and needs of different customers, which is also the key for large enterprises to choose us.



八大完善项目体系

EIGHT MAJOR COMPLETE PROJECT SERVICES



01 电话咨询 Telephone consultation

接电话后1个工作日内可提出技术参数给客户。
Technical parameters can be presented to the customer within 1 working day after receiving the call.



02 提交初步 工艺方案 Submit preliminary process plan

收到技术参数要求后三个工作日内提出项目初步工艺流程图。
Submit the preliminary process flow chart of the project within three working days after receiving the technical parameter requirements.



03 详细交流 Detailed communication

一周内进行详细的技术交流。
Detailed technical exchanges within a week.



04 修改工艺流程图 Modification of process flow chart

详细技术交流后一周内提供详细的 PID 工艺流程图。
Provide detailed PID process flow chart within one week after detailed technical communication.



05 签订合同 成立项目组 Sign a contract to set up a project team

合同签订后, 严格按合同按质保期完成指定工程项目。
After the contract is signed, the designated project shall be completed in strict accordance with the contract and the guarantee period.



06 认真组织 项目实施 Conscientiously organize project implementation

认真协助业主方做好施工项目的管理, 协调好业主方的正常生产秩序, 确保工程进度。
Carefully assist the owner in the management of the construction project, coordinate the normal production order of the owner, and ensure the progress of the project.



07 组织项目 验收整改 Organize project acceptance and rectification

对验收提出的意见积极整改, 同时提供培训, 使业主方熟练掌握工程项目的安全、高效运行。
Actively rectify the opinions put forward for acceptance, and provide training to enable the owner to master the safe and efficient operation of the project.



08 跟踪服务 After service

提供运行服务, 正常生产, 售后服务, 用户回访。
Provide operation service, normal production, after-sales service, user return visit.

» 01

CRUCIBLE LOADING & UNLOADING SYSTEM

HG-SERIES

坩埚装料 & 吸料系统

HG - 系列



用于大规格坩埚石墨粉定量挤压和装填，特别适用于石墨化企业坩埚填充。主要针对坩埚填充劳动强度大，效率低并且粉尘多而开发设计，根据装在容器下面的位置传感器给出的信号完成充填、挤压、计量及升降等工作，在填充过程中，可以保证出料口的物料以团簇状态充填到坩埚。

It is used for loading of graphite powder in large-sized crucibles, especially suitable for filling crucibles in crucible enterprises. It is mainly developed and designed for the high labor intensity, low efficiency and high dust content of crucible filling. It completes filling, extrusion, metering and lifting according to the signal given by the position sensor installed under the container. During the filling process, The material from the spout is filled into the crucible in a cluster state.

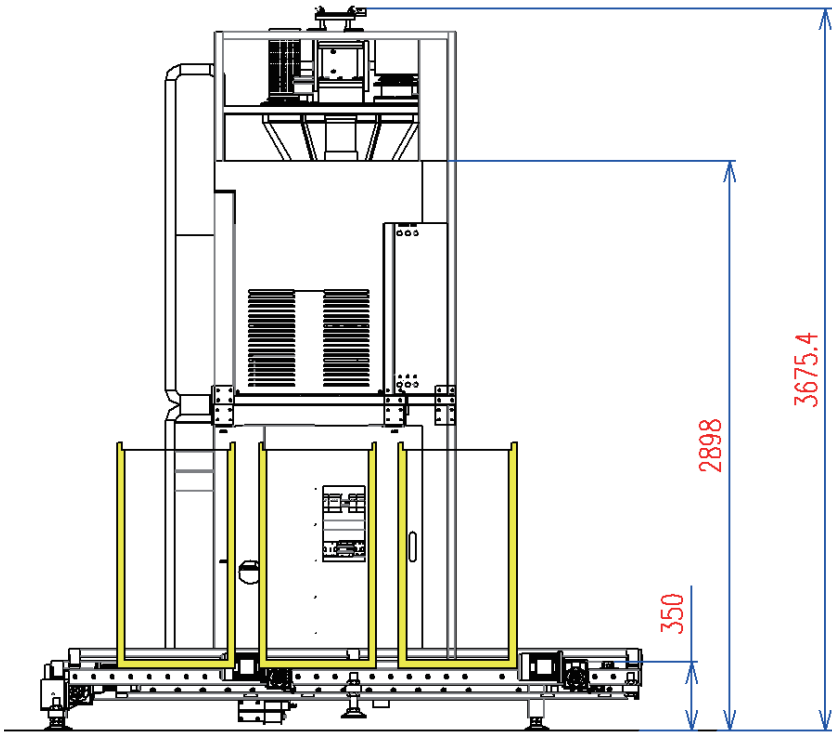
HG-40S

石墨坩埚自动填充机

GRAPHITE CRUCIBLE AUTOMATIC LOADING MACHINE

线图尺寸

SIZE OF LINE CHART



适用范围

SCOPE OF APPLICATION

- 脱气下料
Degassing loading
- 密封填充
Loading with crucible lid
- 托盘升降
Pallet lift
- 填充头配备除尘
Filling spout equip dust collection
- 脱气止漏
Degassing leakage proof



产品亮点

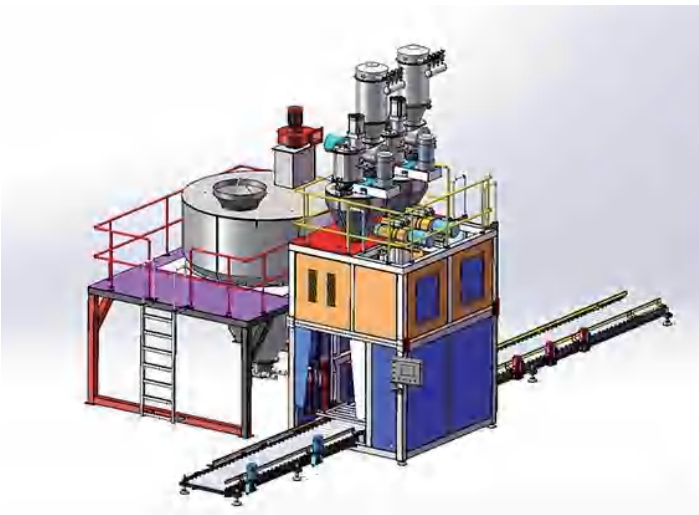
PRODUCT HIGHLIGHTS

- 防止粉尘
Dust proof
- 多装物料
Load more materials
- 自动化
Automatic
- 运行稳定
Stable operation

设备参数

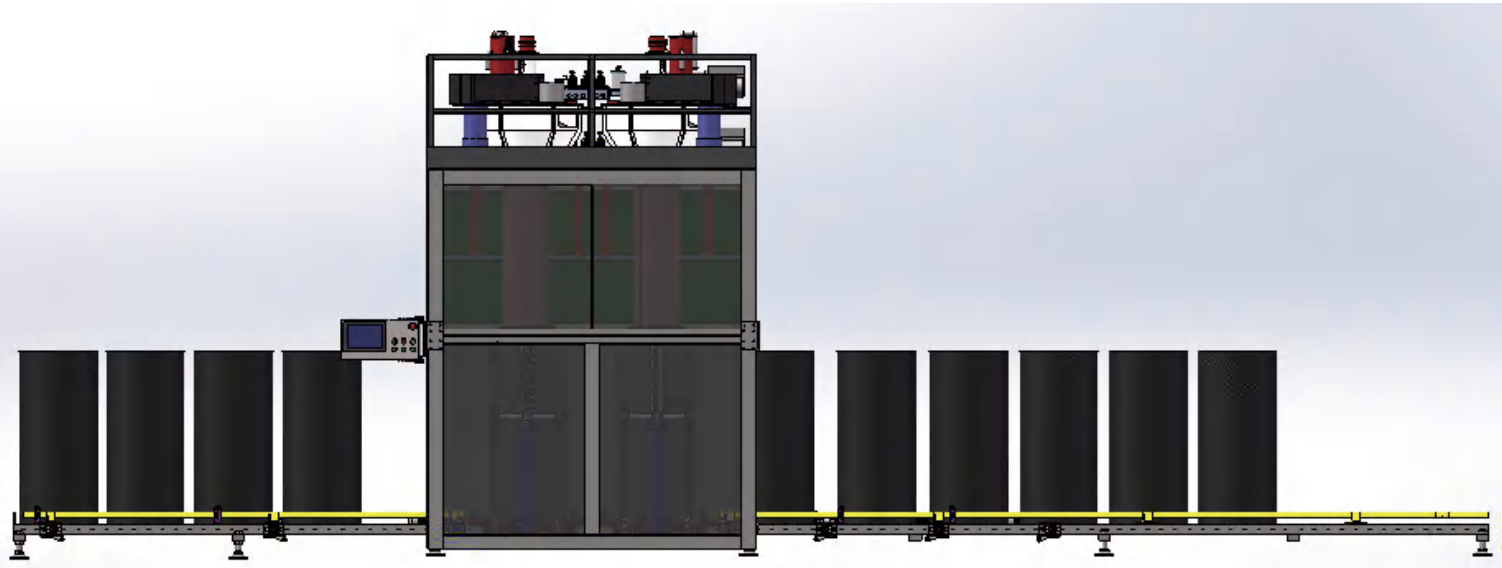
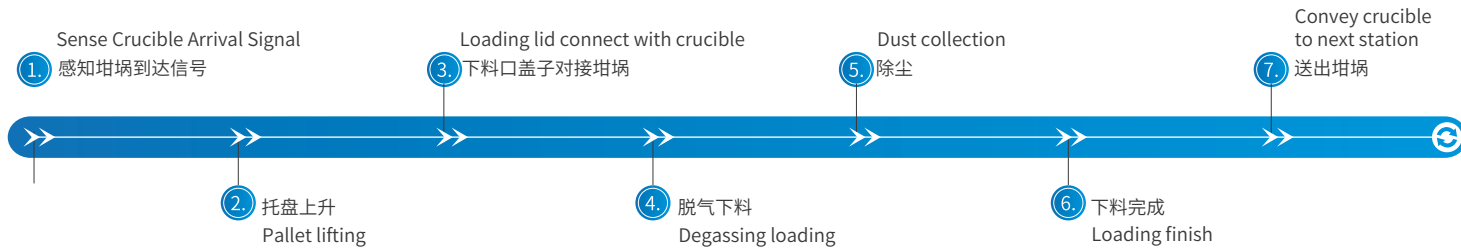
EQUIPMENT PARAMETERS

设备 Equipment	参数 Parameters
填充头数量 loading Spout	一个 One spout
操作界面 Operation interface	触摸屏 Touchscreen
结构材质 Structural material	304不锈钢 304 stainless steel
料仓容积 Silo volume	120L
适用坩埚尺寸 Applicable crucible size	直径500-600mm;高度800-1200mm Ø500-600mm; H800-1200mm
填充速度 Loading speed	20坩埚每小时 20 crucible/h



工艺流程

PROCESS



坩埚自动吸料机是利用压缩空气通过真空发生器产生高真空吸取坩埚中的物料, 不需要机械式真空泵, 具有结构简单、体积小、免维修、噪音低、控制方便、消除物料静电和符合GMP要求等优点。

Crucible automatic suction machine uses compressed air to generate a high vacuum through a vacuum generator to absorb the materials in the crucible. It does not require a mechanical vacuum pump. It has a simple structure, small size, maintenance-free, low noise, convenient control, eliminates static electricity in the materials, and complies with GMP requirements. and other advantages.

HG-50U

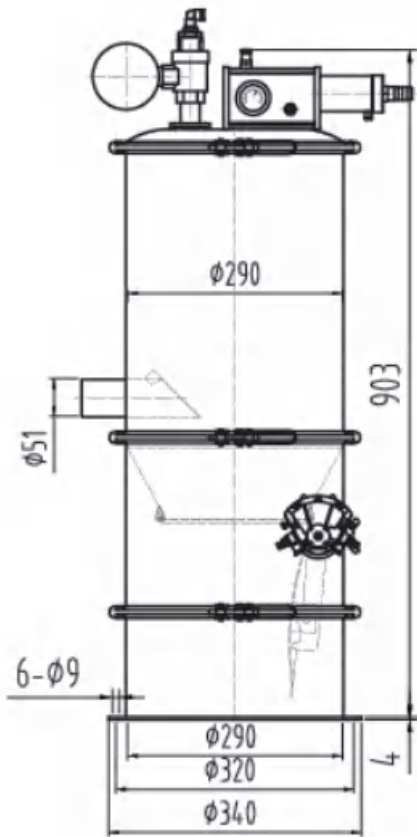
坩埚自动吸料机

CRUCIBLE AUTOMATIC SUCTION MACHINE



线图尺寸

SIZE OF LINE CHART



适用范围

SCOPE OF APPLICATION

- 气动控制
Pneumatic control
- 保证物料完整
Ensure material integrity
- 低噪音
Low noise
- 体积小
Small size
- 无尘化
Dust-free

产品亮点

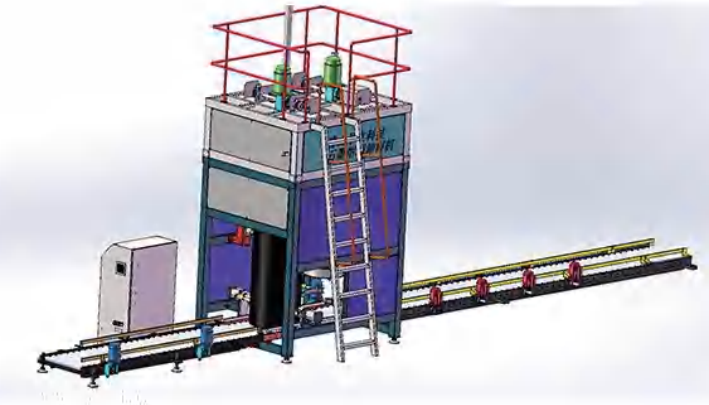
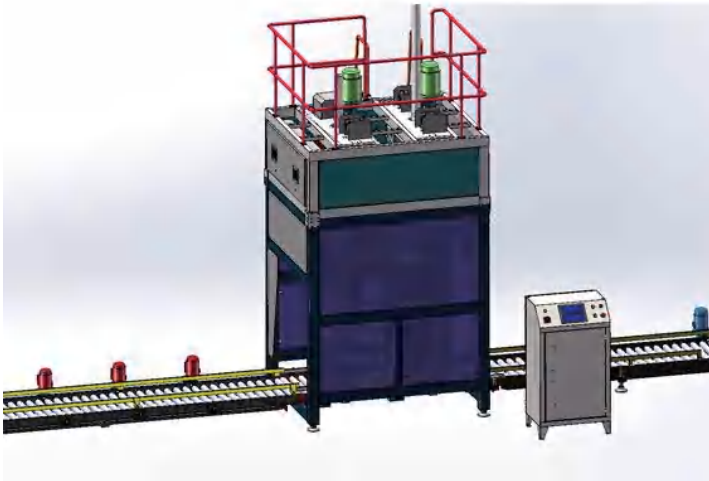
PRODUCT HIGHLIGHTS

- 防止粉尘
Dust proof
- 吸料速度快
Quickly suction
- 自动化
Automatic
- 运行稳定
Stable operation

设备参数

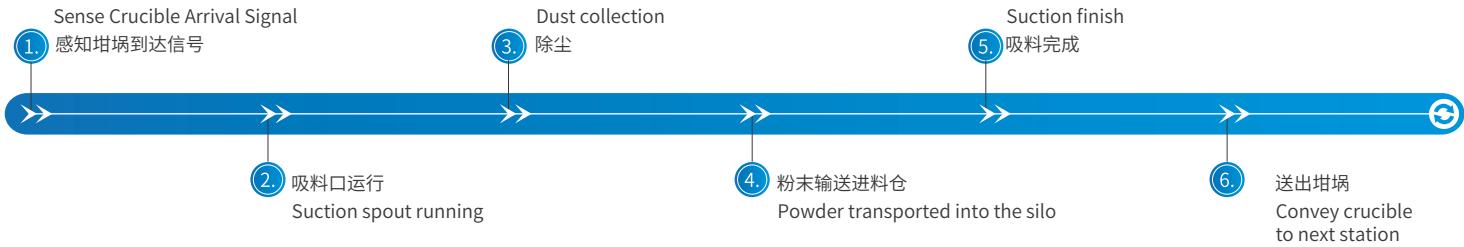
EQUIPMENT PARAMETERS

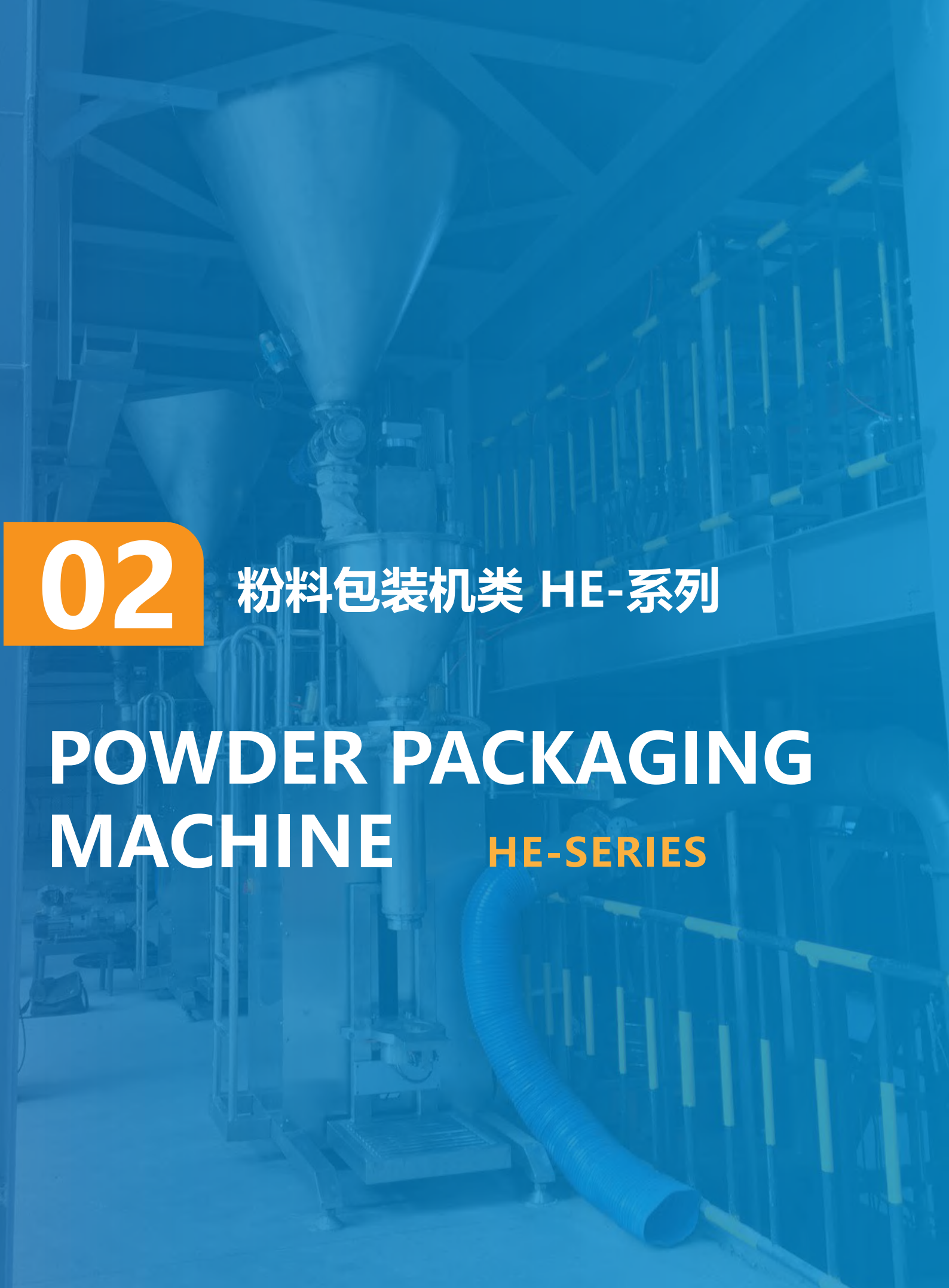
设备 Equipment	参数 Parameters
吸料头数量 Unloading Spout	一个 One spout
操作界面 Operation interface	触摸屏 Touchscreen
结构材质 Structural material	304不锈钢 304 stainless steel
料仓容积 Silo volume	120L
适用坩埚尺寸 Applicable crucible size	直径500-600mm;高度800-1200mm Ø500-600mm; H800-1200mm
吸料速度 Suction speed	1500kg/h
压缩空气消耗量 Compressed air consumption	720NL/min
工作压力 Work pressure	0.4~0.6Mpa



工艺流程

PROCESS





02

粉料包装机类 HE-系列

POWDER PACKAGING MACHINE

HE-SERIES

可选型号 OPTIONAL MODEL	产品名称 PRODUCT NAME	包装重量 PACKAGE WEIGHT
HEF-50T	超细粉脱气螺旋底充式包装机 Ultrafine powder degassing auger bottom filling packing machine	1-50Kg
HEF-50L	粉料垂直螺旋底充式包装机 Powder vertical auger bottom filling packing machine	1-50Kg
HEF-50G	粉料旋转阀底充式包装机 Powder rotary valve bottom filling packaging machine	1-50Kg
HEZX-50T	超细粉脱气螺旋底充式包装线缝一体机 Fine powder degassing auger bottom filling packaging sewing machine	1-50Kg
HEZX-50L	超细粉垂直螺旋底充式包装线缝一体机 Superfine powder vertical auger bottom filling packaging sewing machine	1-50Kg
HEZX-50S	超细粉水平双螺旋式包装线缝一体机 Ultrafine powder horizontal double helix packaging sewing machine	1-50Kg
HEZD4-50T	超细粉脱气螺旋底充式包装真空封口定型一体机 (四合一, 含定型) Ultra-fine powder degassing auger bottom filling type packaging vacuum sealing and shaping integrated machine (4-in-1,including shaping)	1-50Kg
HEZD4-50L	超细粉垂直螺旋底充式包装真空封口定型一体机 (四合一、含定型) Superfine powder vertical auger bottom filling packaging vacuum sealing and shaping integrated machine (4-in-1,including shaping)	1-50Kg
HEZF4-50T	超细粉脱气螺旋底充式包装真空封口一体机 (四合一、非定型) Superfine powder degassing auger bottom filling packing vacuum sealing machine (4-in-1,non-shaped)	1-50Kg
HEZF4-50L	超细粉垂直螺旋底充式包装真空封口一体机 (四合一, 非定型) Superfine powder vertical auger bottom filling packaging vacuum sealing machine (4-in-1,non-shaped)	1-50Kg
HEZF4-50S	超细粉水平螺旋式包装真空封口一体机 (四合一, 非定型) Superfine powder horizontal screw packing vacuum sealing machine(4-in-1, non-shaped)	1-50Kg
HEFDZ 1000	吊钩秤式吨袋包装机 Hydraulic hook scale FIBC Jumbo bag packing machine	300~1000 Kg
HEFXZ 1000	下称重式吨袋包装机 - 有外框.整机出厂 Bottom weighing FIBC Jumbo bag packaging machine - With frame. Complete machine factory delivery	
HEFJZ 1000	减重式吨袋包装机 - 有外框.整机出厂 Loss-in-weight FIBC Jumbo bag packaging machine - With frame. Complete machine factory delivery	
HEFSZ 1000	上称重式吨袋包装机 - 有外框.整机出厂 Top-weight FIBC Jumbo bag packaging machine - With frame. Complete machine factory delivery	
HEFXQ 1000	下称重式吨袋包装机 - 无外框, 半成品可增加功能及组线使用 Bottom weighing FIBC Jumbo Bag packaging machine - Without frame, semi-finished product can be added with functions and assembly line usage	
HEFXJ 1000	标准式吨袋包装机 Standard FIBC Jumbo Bag packaging machine	
HEZC-1000S	粉料全自动水平双螺旋吨袋包装机 (双上袋功能) Automatic horizontal double-screw FIBC Jumbo bag packaging machine for pdwder materials (with dual bag-loading function)	
HEZZ-1000S	粉料全自动水平双螺旋吨袋包装真空封口一体机 (双上袋功能) Automatic horizontal double-screw FIBC Jumbo bag packaging vacuum sealing integrated machine for powder materials (with dual bag-loading function)	
HEZC-1000T	超细粉全自动脱气螺旋吨袋包装机 (双上袋功能) Automatic degassing spiral FIBC Jumbo bag packaging machine for ultra-fine powders (with dual bag-loading function)	
HEZZ-1000T	超细粉全自动脱气螺旋吨袋包装真空封口一体机 (双上袋功能) Automatic degassing spiral FIBC Jumbo bag packaging vacuum sealing integrated machine for ultra-fine powders (with dual bag-loading function)	

超细粉半自动定量包装机系列核心技术产品，在2012年研发成功，为国内第一台脱气式螺旋包装机，开创了脱气包装新概念，引领包装设备技术新方向，该机主要针对容易产生扬尘粉末漂浮严重的特殊环境下进行超细粉末物料的包装设计。脱气装置能有效地将超细粉末物料中所含有的多余空气排出，保证物料在出料口充填时物料呈现团簇的稳定状态，极大地减少了粉尘的散发，有效降低粉尘对环境的影响。

Ultrafine powder degassing spiral bottom filling packaging machine series core technology products, developed successfully in 2012, for the first domestic degassing auger packaging machine, created a new concept of degassing packaging, leading the new direction of packaging equipment technology, the machine mainly for the easy to produce dust, powder floating serious special environment for ultrafine powder material packaging design. The degassing device can effectively discharge the excess air contained in the ultrafine powder material, ensure that the material presents a stable state of clusters when the material is filled at the discharge port, greatly reduce the dust emission, and effectively reduce the impact of dust on the environment.

专利号：ZL 2016 20413233.9

HEF-50T

超细粉脱气螺旋底充式包装机

ULTRAFINE POWDER DEGASSING AUGER
BOTTOM FILLING PACKAGING MACHINE



适用范围

SCOPE OF APPLICATION

- ☑

超细粉粉类物料
Ultrafine powder powder materials
- ☑

干燥物料
Dry material
- ☑

含气量大物料
Large gas content material
- ☑

比重轻物料
Light weight material
- ☑

易起尘物料
Dusty material
- ☑

高价值物料
High value material



产品亮点

PRODUCT HIGHLIGHTS

- 👍

脱气结构
Degassing structure
- 👍

止漏结构
Leak-stopping construction
- 👍

除尘罩
Dust hood
- 👍

自回式除尘机构
Self-returning dust removal mechanism
- 👍

落差式称重结构
Drop type weighing structure



产品特性

PRODUCT CHARACTERISTICS

- ★

专用脱气装置
Special degassing device
- ★

抑制粉尘产生
Dust suppression
- ★

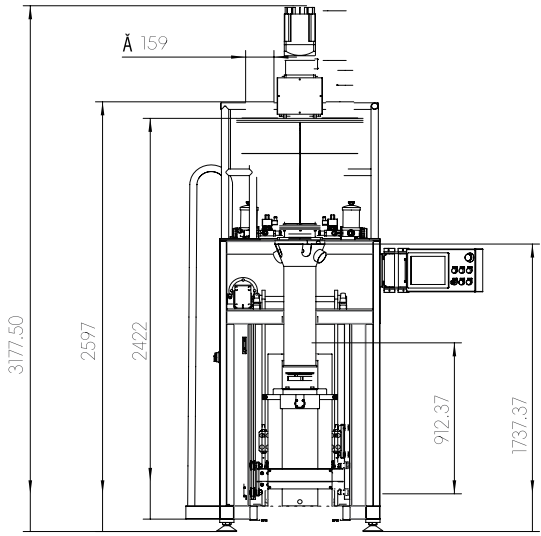
提高物料堆积密度
Increase material bulk density
- ★

充填高精度保证
High precision filling guarantee
- ★

杜绝漏料
Prevent leakage

线图尺寸

SIZE OF LINE CHART



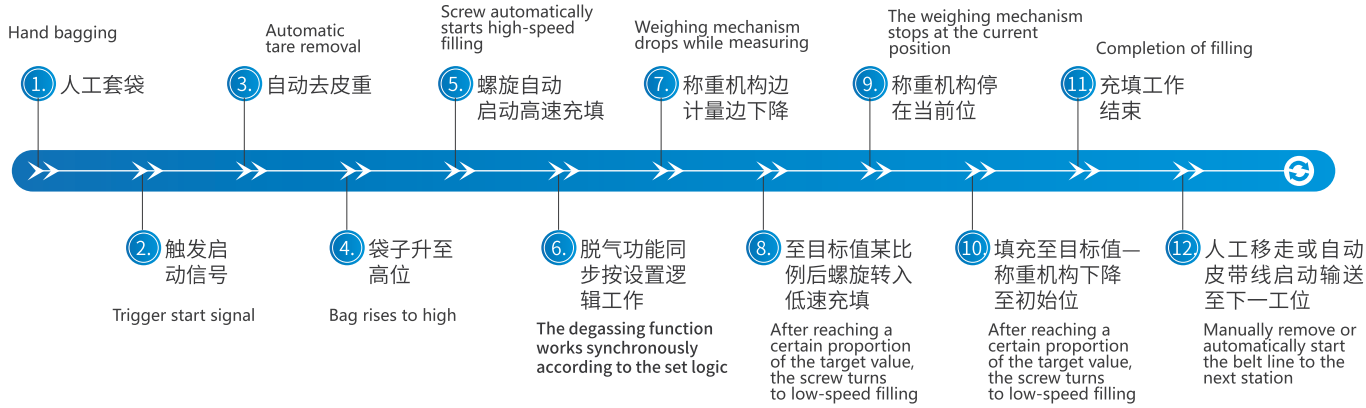
选型说明

SELECTION INSTRUCTIONS

项目Project	分类Classification	
填充功能 Filling Function:	可选: 脱气式 Optional: Degassing Model	可选: 非脱气式 Optional: Non-Degassing Model
材质 Material:	可选: 全不锈钢, 304L/316L Optional: Full Stainless Steel, 304L/316L	可选: 机体部分 喷塑碳钢型 Optional: Machine Body Part with Sprayed Carbon Steel
防爆 Explosion-Proof:	可选: 防爆型 Optional: Explosion-Proof Model	可选: 非防爆型 Optional: Non-Explosion-Proof Model
称重传感器 Load Cell (Weighing Sensor)	可选: 中航电测/宁波柯力 Optional: Aviation Electronics Measurement/ Ningbo Keli (Weighing Sensor Brands)	可选: 梅特勒.托利多 Optional: Mettler Toledo (Weighing Sensor Brand)
硬化 Hardening:	可选: 喷涂特氟龙 Optional: Sprayed with Teflon Coating	可选: 喷涂碳化钨 Optional: Sprayed with Tungsten Carbide Coating
料斗容积 Hopper Capacity:	可选: 80L Optional: 80L Capacity	可选: 120L Optional: 120L Capacity
充填精度 Filling Accuracy:	可选: 普通型 ±50g Optional: Standard Model with ±50g Accuracy	可选: 高精度型 ±20g Optional: High Precision Model with ±20g Accuracy
充填速度 Filling Speed:	可选: 普通型 40包/小时 Optional: Standard Model with 40 Bags/Hour	可选: 高速型 90包/小时 Optional: High-Speed Model with 90 Bags/Hour
充填范围 Filling Range:	1-5Kg、5-50Kg	
整机功率 Overall Machine Power:	约6KW Approximate Power: 6KW	

工艺流程

PROCESS



本产品从筛分段管道输送系统的料仓下料口开始，下接自动包装机和自动真空热合机。全自动完成成品包装的所有工序, 包括自动给袋、自动开袋、自动定量下料、自动复称、自动抽真空、自动热合封装等，是一体化的包装设备。特别适用于对超细石墨粉、锂电池粉、磷酸铁锂、正极材料、负极材料、硅微粉、煤粉、消光剂、各种添加剂、灭火器干粉、碳粉、染料、珠光粉、可湿性粉、三元材料、活性炭、其他种类的超细粉末、以及具有高精度包装要求的粉末等特殊物料的包装与存储。

This product starts from the feed opening of the silo of the sieve section pipeline conveying system, and is connected to the automatic packaging machine and the automatic vacuum hot sealing machine. It is an integrated packaging equipment to complete all the processes of the finished product packaging, including automatic bag feeding, automatic bag opening, automatic quantitative feeding, automatic reweighing, automatic vacuuming, automatic thermal sealing, etc. Especially suitable for ultrafine graphite powder, lithium battery powder, lithium iron phosphate, positive electrode materials, negative electrode materials, silicon powder, coal powder, matting agent, various additives, fire extinguisher dry powder, toner, dye, pedant powder, wettable powder, terpolymer, activated carbon, other types of ultrafine powder, and powder with high precision packaging requirements and other special materials packaging and storage.



HEZ-50T

全自动超细粉脱气螺旋底充式包装真空封口一体机

FULLY AUTOMATIC ULTRA-FINE POWDER FILLING VACUUM SHAPING SEALING INTEGRATED MACHINE



适用范围

SCOPE OF APPLICATION

- 超细粉粉类物料
Ultrafine powder powder materials
- 干燥物料
Dry material
- 含气量大物料
Large gas content material
- 比重轻物料
Light weight material
- 易起尘物料
Dusty material
- 高价值物料
High value material



产品亮点

PRODUCT HIGHLIGHTS

- 高精度定量填充
High Precision Quantitative Filling
- 自动进入复称检验环节
Automatically Enter the Re-weighing Inspection Link
- 双面双保险热封机构
Double-sided and double insurance heat sealing mechanism
- 无尘化填充过程
Dust-Free Filling Process
- 一次定型无需模具
One Time Shaping Without The Need Of Mould
- 智能化控制真空度
Intelligent Control of Vacuum Degree
- 均压式负压排气口
Equal Pressure Type Negative Pressure Exhaust Port
- 全程无人化, 省时高效
Fully automated, time-saving and efficient



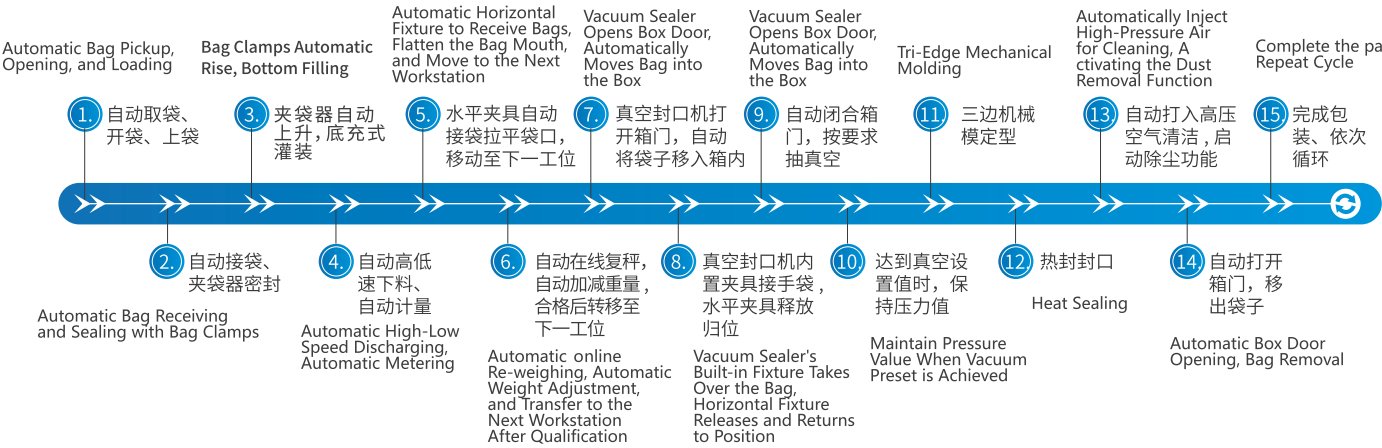
产品特性

PRODUCT CHARACTERISTICS

- 自动脱气自动计量填充
Automatic Degassing and Volumetric Filling
- 不溢粉保持干净袋子环境
No Powder Overflow to Maintain a Clean Bag Environment
- 自动定型便于装箱
Automatic Shaping for Easy Boxing
- 抽真空压实物料
Vacuumize to compact Materials
- 自动复称检验
Automatic Reweighing Inspection
- 热封密封袋口
Heat-sealing the bag mouth

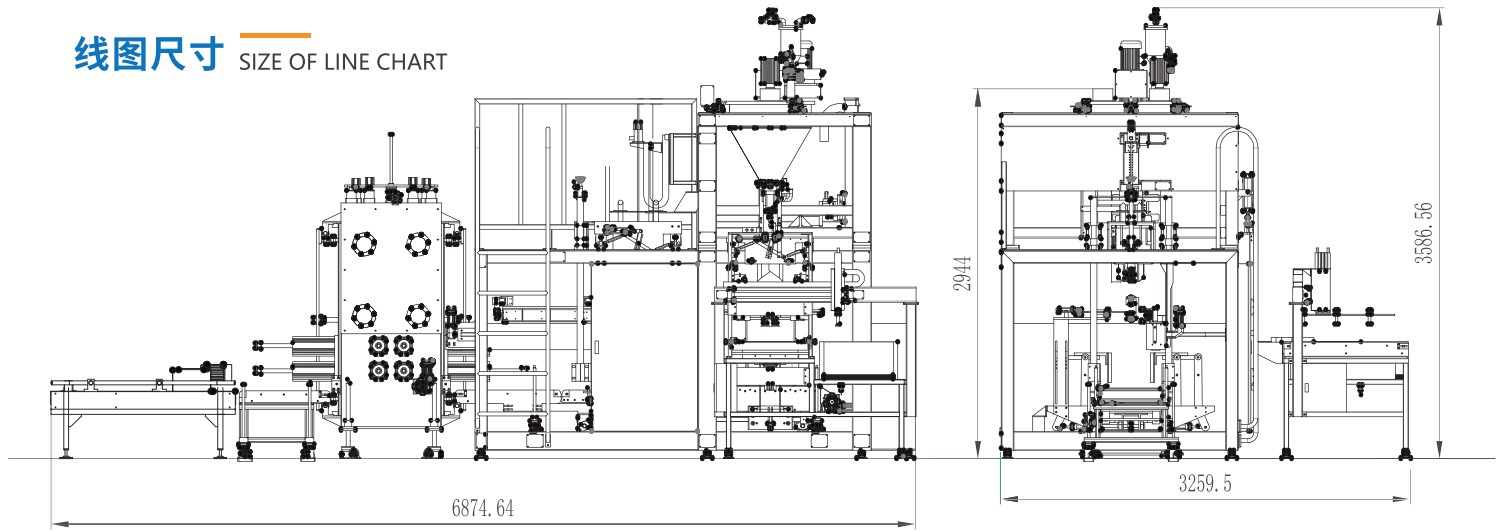
工艺流程

PROCESS



线图尺寸

SIZE OF LINE CHART



可选型号 OPTIONAL MODEL	产品名称 PRODUCT NAME	包装重量 PACKAGE WEIGHT
HEZX-50T	超细粉脱气螺旋底充式包装线缝一体机 Fine powder degassing spiral bottom filling packaging sewing machine	1-50Kg
HEZX-50L	超细粉垂直螺旋底充式包装线缝一体机 Superfine powder vertical screw bottom filling packaging sewing machine	1-50Kg
HEZX-50S	超细粉水平双螺旋式包装线缝一体机 Ultrafine powder horizontal double helix packaging sewing machine	1-50Kg
HEZD4-50T	超细粉脱气螺旋底充式包装真空封口定型一体机 (四合一, 含定型) Ultra-fine powder degassing spiral bottom filling type packaging vacuum sealingand shaping integrated machine (4-in-1, including shaping)	1-50Kg
HEZD4-50L	超细粉垂直螺旋底充式包装真空封口定型一体机 (四合一、含定型) Superfine powder vertical spiral bottom filling packaging vacuum sealing and shaping machine(4-in-1, including shaping)	1-50Kg
HEZF4-50T	超细粉脱气螺旋底充式包装真空封口一体机 (四合一、非定型) Superfine powder degassing spiral bottom filling packing vacuum sealing machine (4-in-1, non-shaped)	1-50Kg
HEZF4-50L	超细粉垂直螺旋底充式包装真空封口一体机 (四合一, 非定型) Superfine powder vertical spiral bottom filling packaging vacuum sealing machine(4-in-1, non-shaped)	1-50Kg
HEZF4-50S	超细粉水平螺旋式包装真空封口一体机 (四合一, 非定型) Superfine powder horizontal screw packing vacuum sealing machine(4-in-1, non-shaped)	1-50Kg

参数说明

PARAMETER DESCRIPTION

项目 Project
1. 包装速度: 40-60 包/小时, 25KG Packing speed : 40-60 bags/hour, 25KG
2. 包装精度: ±50g/包, 25KG Packaging accuracy : ±50g/ bag, 25KG
3. 在线自动复称精度: ±50g/包 Online automatic reweighing accuracy : ±50g/ bag
4. 可自动灵活调用生产物料品种分类预设参数, 记录生产过程信息, 可追溯系统, 可打印, 上传保存。 Can automatically and flexibly call the pre-set parameters of the production material classification, record the production process information, can be traced to the system, can be printed, uploaded and saved.
5. 可适用的包装材质形式: 铝裂膜装/牛皮纸内覆膜袋/复合膜袋/纯 PE 袋 Applicable packing material form: aluminum crack film/kraft paper inner film bag/composite film bag/pure PE bag
6. 可适用的包装形式类别: M 袋, 平口袋 Applicable packing form category : M bag, flat bag
7. 可适用的包装尺寸范围: 宽度: 400mm--600mm, 高度: 600 mm1100 mm Applicable packing size range: width : 400mm--600mm, height: 600mm 1100mm
8. 包装袋真空度最低要求: -70KPA The minimum vacuum degree of the bag is -70KPA
9. 真空箱内袋子定型尺寸范围待定, 长宽调整范围待定 (要依不同尺寸袋子的需求变化) 10 袋库放袋量数量要求: 60 个 (满足于不同袋子厚度) The size range of bags in the vacuum box is to be determined, and the length and width adjustment range is to be determined (to change according to the demand of different sizes of bags). 10 bag storage bag quantity requirement : 60 (to meet the different bag thickness)

该设备适用于大规格吨袋包装物料的称重、包装。能自动完成称重计量、物料充填、除尘、气囊夹袋、自动脱袋等工作，自动化程度高、包装精度高，包装速度可调节，广泛适用于矿产、磷酸铁锂、碳酸锂、三元材料、活性炭、石墨粉、正极、负极新能源材料、粮食、饲料等行业，尤其适合比重轻含气量大粉尘难控制的超细微粉体的大袋包装。

This equipment is suitable for weighing and packaging large-sized ton bag packaging materials. It can automatically complete weighing and measurement, material filling, dust removal, airbag bag clamping, automatic bag removal, and other tasks. It has high automation, high packaging accuracy, and adjustable packaging speed. It is widely used in industries such as minerals, lithium iron phosphate, lithium carbonate, ternary materials, activated carbon, graphite powder, positive electrode, negative electrode new energy materials, grain, feed, etc, Especially suitable for large bag packaging of ultrafine micro powders with light density, high gas content, and difficult to control dust.

HEFDZ-1000

吊钩秤式吨袋包装机

HYDRAULIC HOOK SCALE FIBC JUMBO BAG PACKAGING MACHINE



适用范围

SCOPE OF APPLICATION

- 各种粉体物料
Various powdered materials
- 干燥物料
Dry material
- 含气量大物料
Large gas content material
- 比重轻物料
Light weight material
- 易起尘物料
Dusty material
- 高价值物料
High value material

产品亮点

PRODUCT HIGHLIGHTS

- 称重料仓管控进料
Weighing silo controls feedstock
- 独立式称重结构
Independent weighing structure
- 气囊式夹袋机构
Airbag type bag clamping mechanism
- 均压式负压排气口
Equalized negative pressure exhaust outlet.
- 专用脱气、排气装置
Dedicated Degassing and Venting Device

- 保证物料填充密实度极大幅度减少粉尘
Ensure the material filling density is greatly improved to significantly reduce dust.
- 挂袋/夹袋平台可调高度，适用不同包装规格
The hanging bag/clip bag platform can adjust the height, suitable for different packaging specifications.

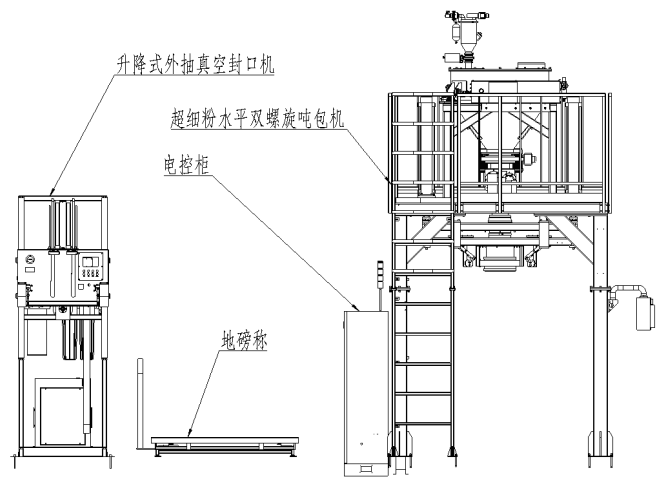
产品特性

PRODUCT CHARACTERISTICS

- 专用脱气装置
Special degassing device
- 抑制粉尘产生
Dust suppression
- 提高物料堆积密度
Increase material bulk density
- 充填高精度保证
High precision filling guarantee
- 杜绝漏料
Prevent leakage

线图尺寸

SIZE OF LINE CHART



选型说明

SELECTION INSTRUCTIONS

根据用户生产线前端工艺，物料情况及使用环境，按不同下料方式可分为四大类机型。其它特殊情况可按需定制。（有外框，整机出厂）

According to the front-end process of the user's production line, the material situation and the use environment, it can be divided into four categories according to different feeding methods. Other special cases can be customized. (with outer frame, machine factory)

可选型号 OPTIONAL MODEL	产品名称 PRODUCT NAME
HEFDZ-1000T	超细粉脱气式螺旋吊秤式吨袋包装机 Ultra-fine powder degassing spiral crane scale FIBC Jumbo Bag packaging machine
HEFDZ-1000S	粉料吊秤式水平双螺旋吨袋包装机 Powder crane scale horizontal double spiral FIBC Jumbo Bag packaging machine
HEFDZ-1000C	粉料吊秤式电磁震动吨袋包装机 Powder crane scale electromagnetic vibrating FIBC Jumbo Bag packaging machine
HEFDZ-1000X	粉料吊秤式旋转阀吨袋包装机 Powder crane scale rotary valve FIBC Jumbo Bag packagingmachine
HEFDZ-1000H	粉料吊秤式弧形阀吨袋包装机 Powder crane scale arc valve FIBC Jumbo Bag packagingmachine

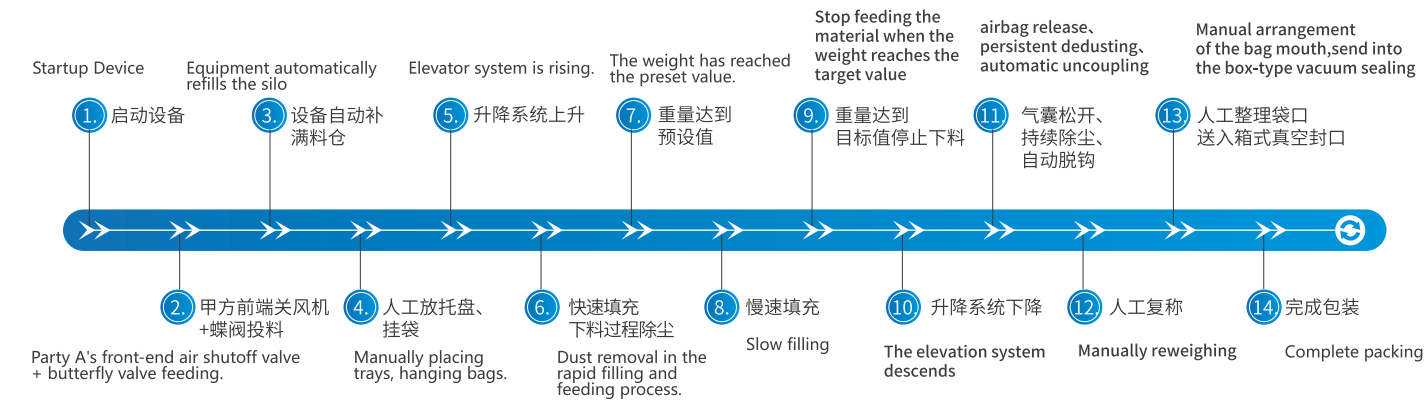
参数说明

PARAMETER DESCRIPTION

项目 Project
1. 计量方式:电子上称重式(吊钩称重) Electronic Top weighing Type (hook weighing)
2. 设备主体材质:主体框架碳钢烤漆,与物料接触部不锈钢,标号304 Main body material: The main frame is carbon steel with baked paint, and the part in contact with materials is stainless steel, grade 304.
3. 料仓容积:280L Hopper volume: 280L
4. 包装重量(范围):100~1000KG(可调) Packaging weight (range): 100~1000KG (adjustable)
5. 下料精度:±500g(按500kg/包) Feeding accuracy: ±500g (based on 500kg/bag)
6. 除尘系统:配套 仓顶除尘器,收集包装过程物料,可自动反投料仓;过滤精度:0.5um,自动脉冲清灰; Dust removal system: Equipped with a top-mounted dust collector to collect materials during the packaging process, which can automatically recycle into the hopper; filtration accuracy: 0.5um, automatic pulse cleaning;
7. 夹袋方式:橡胶气囊夹袋 Bag clamping method: Rubber airbag clamping
8. 脱气功能:垂直脱气螺旋 Degassing function: Vertical degassing spiral

工艺流程

PROCESS



超细粉脱气式螺旋减重式吨袋包装机,主要区别为称重方式是以机头料仓为基准。称重计量以料仓内物料重量满足要求后再通过下料机构充填物料。

The main difference of the ultrafine powder degassing spiral Loss-in-weighing FIBC Jumbo bag packaging machine is that the weighing method is based on the machine head material bin. Weighing measurement is based on the weight of the materials in the silo meeting the requirements, and then the materials are filled through the feeding mechanism.



HEFSZ-1000

减重式吨袋包装机

LOSS-IN-WEIGHT FIBC JUMBO BAG
PACKAGING MACHINE

适用范围

SCOPE OF APPLICATION

- 各种粉体物料
Various powdered materials
- 干燥物料
Dry material
- 含气量大物料
Large gas content material
- 比重轻物料
Light weight material
- 易起尘物料
Dusty material
- 高价值物料
High value material

产品亮点

PRODUCT HIGHLIGHTS

- 减重式静态称重法
Weight-Loss Reduction static weighing method
- 物料无落差填充
Materials are filled without drop
- 气囊式夹袋机构
Airbag type bag clamping mechanism
- 震动震实机构
Vibration compaction mechanism
- 自回式除尘机构
Self-returning dust removal mechanism
- 移动式链板输送机构
Mobile chain-plate conveyor mechanism
- 复称与真空封口同位式设计
Reweighing and vacuum seal congruent design
- 内部结构均做处理,无任何掉落异物风险
The internal structure is treated without any risk of falling foreign objects
- 采用专用脱气、排气装置保证物料填充密实度极大幅度减少粉尘
Special degassing and exhaust devices are used to ensure the material filling density and greatly reduce dust
- 称重结构独立性强,不受前后因素干扰
The weighing structure has strong independence and is not interfered by front and back factors

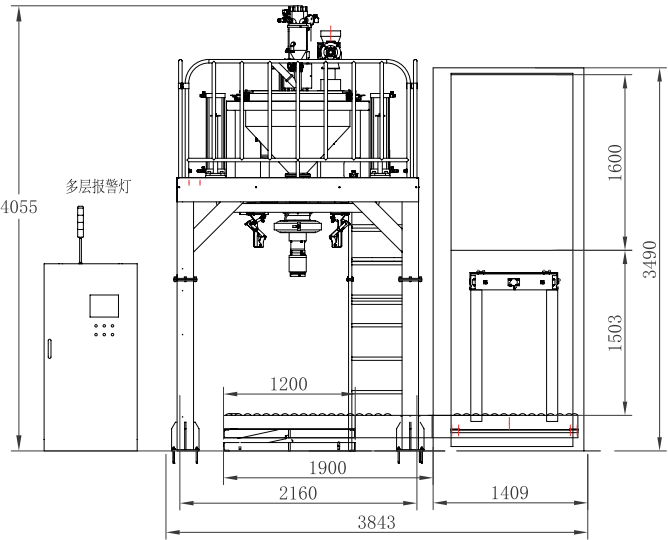
产品特性

PRODUCT CHARACTERISTICS

- 专用脱气装置
Special degassing device
- 抑制粉尘产生
Dust suppression
- 提高物料堆积密度
- 充填高精度保证
High precision filling guarantee
- 杜绝漏料
Prevent leakage

线图尺寸

SIZE OF LINE CHART



选型说明

SELECTION INSTRUCTIONS

根据用户生产线前端工艺,物料情况及使用环境,按不同下料方式可分为四大类机型。其它特殊情况可按需定制。(有外框,整机出厂)

According to the front-end process of the user's production line, the material situation and the use environment, it can be divided into four categories according to different feeding methods. Other special cases can be customized. (with outer frame, machine factory)

可选型号 OPTIONAL MODEL	产品名称 PRODUCT NAME
HEFSZ-1000T	超细粉上称重式脱气式螺旋吨袋包装机 Ultra-fine powder Top-weighing type degassing spiral FIBC Jumbo bag packaging machine
HEFSZ-1000S	粉料上称重式水平双螺旋吨袋包装机 Powder Top-weighing type horizontal double spiral FIBC Jumbo bag packaging machine
HEFSZ-1000X	粉料上称重式旋转阀吨袋包装机 Powder Top-weighing type rotary valve FIBC Jumbo bag packaging machine
HEFSZ-1000H	粉料上称重式弧形阀吨袋包装机 Powder Top-weighing type arc valve FIBC Jumbo bag packaging machine

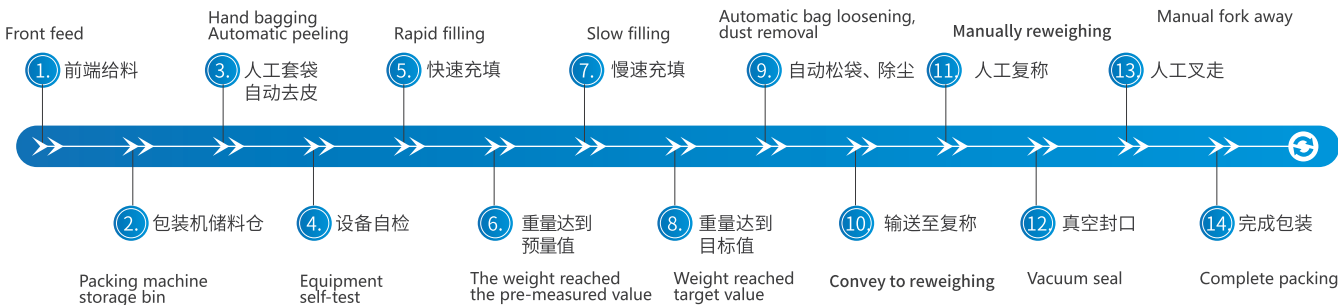
参数说明

PARAMETER DESCRIPTION

项目 Project
1. 计量方式:电子上称重式 Electronic Top-Weighing Type
2. 设备主体材质:主体框架碳钢烤漆,与物料接触部不锈钢,标号304 Main body material: The main frame is carbon steel with baked paint, and the part in contact with materials is stainless steel, grade 304.
3. 料仓容积:280L Silo volume: 280L
4. 包装重量(范围):100~1000KG(可调) Packaging weight (range): 100~1000KG (adjustable)
5. 下料精度:±500g(按500kg/包) Feeding accuracy: ±500g (based on 500kg/bag)
6. 除尘系统:配套 仓顶除尘器,收集包装过程物料,可自动反投料仓;过滤精度:0.5um,自动脉冲清灰; Dust removal system: Equipped with a top-mounted dust collector to collect materials during the packaging process, which can automatically recycle into the silo; filtration accuracy: 0.5um, automatic pulse cleaning;
7. 夹袋方式:橡胶气囊夹袋 Bag clamping method: Rubber airbag clamping
8. 脱气功能:垂直脱气螺旋 Degassing function: Vertical degassing spiral

工艺流程

PROCESS



下称重式吨袋包装机(有外框)，主要区别为称重方式是以机头料仓为基准。称重计量以料仓内物料重量满足要求后再通过下料机构充填物料。

The Bottom-weighing type FIBC Jumbo bag packaging machine (with outer frame) is mainly different in that the weighing method is based on the machine head and feed silo. Weighing measurement is based on the weight of the materials in the silo meeting the requirements, and then the materials are filled through the feeding mechanism.

下称重式吨袋包装机 (有外框) ➡

BOTTOM WEIGHING TYPE FIBC JUMBO BAG PACKAGING MACHINE (WITH EXTERNAL FRAME)

HEFXZ-1000

适用范围 SCOPE OF APPLICATION

- 各种粉体物料
Various powdered materials
- 干燥物料
Dry material
- 含气量大物料
Large gas content material
- 比重轻物料
Light weight material
- 易起尘物料
Dusty material
- 高价值物料
High value material

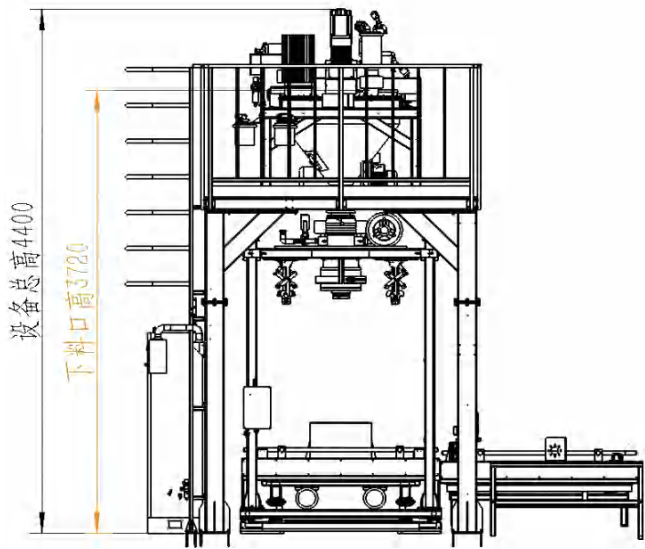
产品亮点 PRODUCT HIGHLIGHTS

- 脱气结构
Degassing structure
- 止漏结构
Leak-stopping construction
- 除尘罩
Dust hood
- 自回式除尘机构
Self-returning dust removal mechanism
- 落差式称重结构
Drop type weighing structure

产品特性 PRODUCT CHARACTERISTICS

- 专用脱气装置
Special degassing device
- 抑制粉尘产生
Dust suppression
- 提高物料堆积密度
Increase material bulk density
- 充填高精度保证
High precision filling guarantee
- 杜绝漏料
Prevent leakage

线图尺寸 SIZE OF LINE CHART



选型说明 SELECTION INSTRUCTIONS

根据用户现场实际情况选择不同的下料方式机型。如有其它特殊情况可按需定制。(有外框，整机出厂)

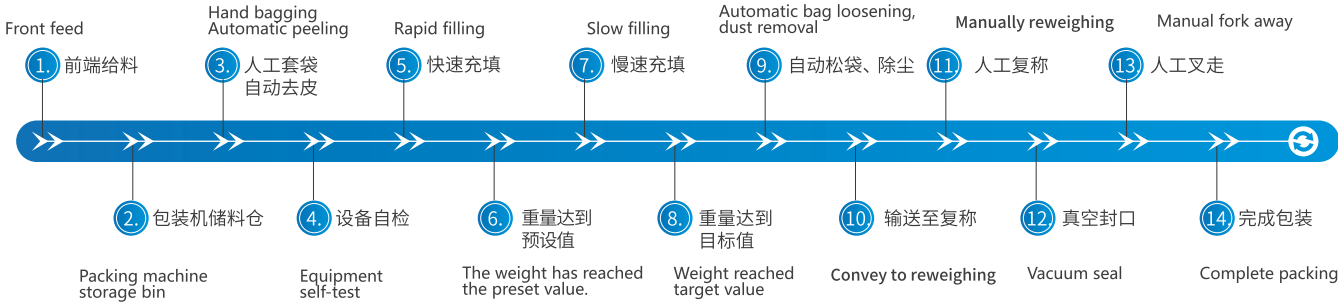
Select different blanking mode models according to the actual situation of the user. If there are other special circumstances can be customized. (with outer frame, machine factory)

可选型号 OPTIONAL MODEL	产品名称 PRODUCT NAME
HEFDZ-1000T	超细粉脱气式螺旋吊秤式吨袋包装机 Ultrafine powder degassing screw hanging scale FIBC Jumbo bag packing machine
HEFDZ-1000S	粉料吊秤式水平双螺旋吨袋包装机 Powder hanging scale horizontal double screw FIBC Jumbo bag packing machine
HEFDZ-1000C	粉料吊秤式电磁震动吨袋包装机 Powder hanging scale type electromagnetic vibration FIBC Jumbo bag packaging machine
HEFDZ-1000X	粉料吊秤式旋转阀吨袋包装机 Powder hanging scale type rotary valve FIBC Jumbo bag packing machine
HEFDZ-1000H	粉料吊秤式弧形阀吨袋包装机 Powder hanging scale type curved valve FIBC Jumbo bag packing machine

参数说明 PARAMETER DESCRIPTION

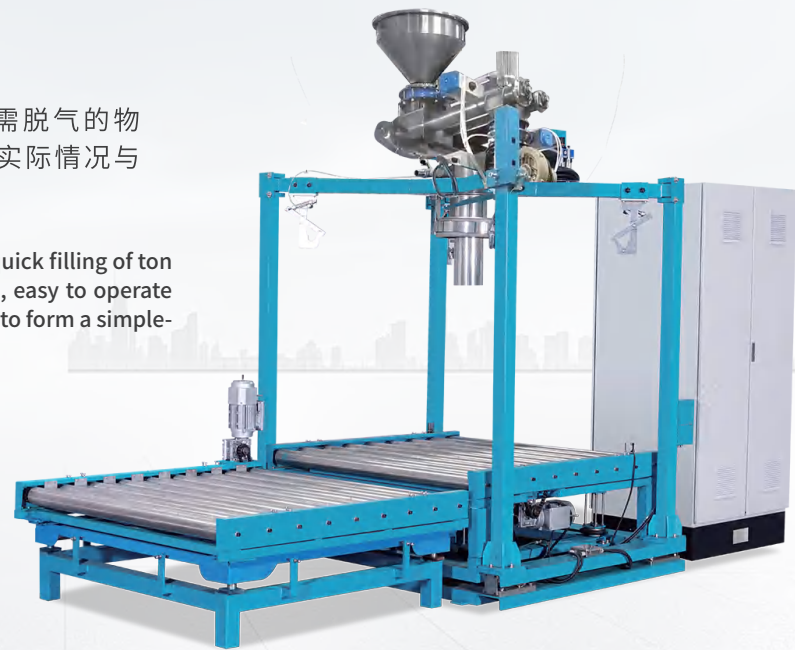
项目 Project
1. 计量方式:电子下称重式 Electronic under-weighing type
2. 设备主体材质:主体框架碳钢烤漆,与物料接触部不锈钢,标号304 Main body material: The main frame is carbon steel with baked paint, and the part in contact with materials is stainless steel, grade 304.
3. 料仓容积:280L Hopper volume: 280L
4. 包装重量(范围):100~1000KG (可调) Packaging weight (range): 100~1000KG (adjustable)
5. 下料精度:±500g (按500kg/包) Feeding accuracy: ±500g (based on 500kg/bag)
6. 除尘系统:配套 仓顶除尘器,收集包装过程物料,可自动反投料仓;过滤精度:0.5um,自动脉冲清灰; Dust removal system: Equipped with a top-mounted dust collector to collect materials during the packaging process, which can automatically recycle into the hopper; filtration accuracy: 0.5um, automatic pulse cleaning;
7. 夹袋方式:橡胶气囊夹袋 Bag clamping method: Rubber airbag clamping
8. 脱气功能:垂直脱气螺旋 Degassing function: Vertical degassing spiral

工艺流程 PROCESS



下称重吨袋包装机主要针对于吨包的快速充填，无需脱气的物料。结构简单，占用空间小，操作方便等特点。可根据实际情况与其它机构组成简单吨包生产线。

The bottom weighing ton bag packing machine is mainly for the quick filling of ton bag, without degassing materials. Simple structure, small space, easy to operate andso on. According to the actual situation and other institutions to form a simple-ton bag production line.



下称重式吨袋包装机(无外框)

BOTTOM WEIGHING TYPE FIBC JUMBO BAG PACKAGING MACHINE (WITHOUT EXTERNAL FRAME)

HEFXQ-1000



适用范围

SCOPE OF APPLICATION

- 各种粉体物料
Various powdered materials
- 干燥物料
Dry material
- 易起尘物料
Dusty material
- 高价值物料
High value material



产品亮点

PRODUCT HIGHLIGHTS

- 脱气式填充结构
Degassed filling structure
- 止漏结构
Leak-stopping construction
- 双层除尘罩
Double dust cover
- 自回式除尘机构
Self-returning dust removal mechanism
- 气囊式夹袋器
Airbag type bag clamping mechanism
- 占地面积小、包装速度快
Small footprint, fast packaging speed

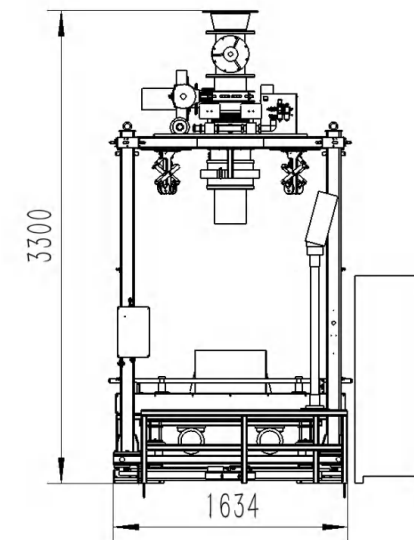


产品特性

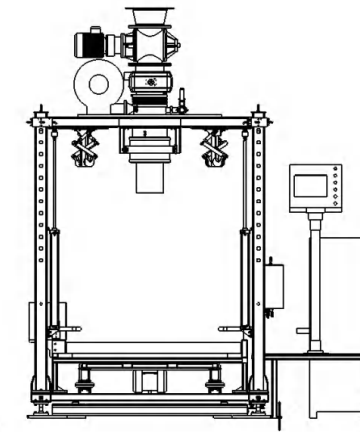
PRODUCT CHARACTERISTICS

- 专用脱气装置
Special degassing device
- 抑制粉尘产生
Dust suppression
- 提高物料堆积密度
Increase material bulk density
- 充填高精度保证
High precision filling guarantee
- 杜绝漏料
Prevent leakage

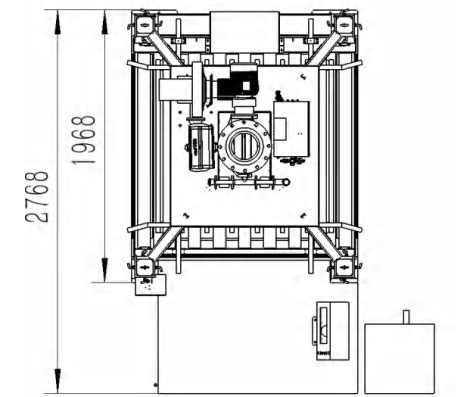
线图尺寸 SIZE OF LINE CHART



主视图



左视图



顶视图

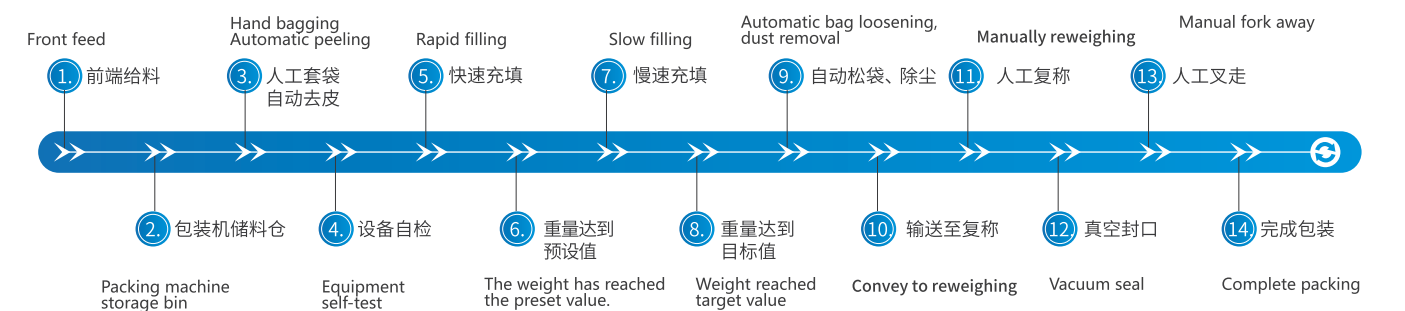
选型说明 SELECTION INSTRUCTIONS

根据用户现场实际情况选择不同的下料方式机型。如有其它特殊情况可按需定制。(无外框, 半成品出厂, 可以增加功能和组线适用)

Select different blanking mode models according to the actual situation of the user. If there are other special circumstances can be customized. (No frame, semi-finished products, can increase the function and group line application)

可选型号 OPTIONAL MODEL	产品名称 PRODUCT NAME
HEFXQ-1000T	超细粉下称重嵌入式脱气螺旋吨袋包装机 Ultrafine powder bottom weighing embedded degassing screw FIBC Jumbo Bag packaging machine
HEFXQ-1000S	粉料下称重嵌入式水平双螺旋吨袋包装机 Powder bottom weighing embedded horizontal double screw FIBC Jumbo Bag packaging machine
HEFXQ-1000D	粉料下称重嵌入式电磁振动吨袋包装机 Powder bottom weighing embedded electromagnetic vibration FIBC Jumbo Bag packaging machine
HEFXQ-1000X	粉料下称重嵌入式旋转阀吨袋包装机 Powder bottom weighing embedded rotary valve FIBC Jumbo Bag packaging machine
HEFXQ-1000H	粉料下称重嵌入式弧形阀吨袋包装机 Powder bottom weighing embedded curved valve FIBC Jumbo Bag packaging machine

工艺流程 PROCESS



简单化结构, 无外框, 不可增加功能与配线。
Simple structure, no frame, can not add functions and wiring.

标准式吨袋包装机

STANDARD FIBC JUMBO BAG PACKAGING MACHINE

HEFXJ-1000

适用范围

SCOPE OF APPLICATION

- 各种粉体物料

Various powdered materials
- 干燥物料

Dry material
- 含气量大物料

Large gas content material
- 比重轻物料

Light weight material
- 易起尘物料

Dusty material
- 高价值物料

High value material
- 止漏结构

Leak-stopping construction
- 双层除尘罩

Double dust cover
- 自回式除尘机构

Self-returning dust removal mechanism
- 气囊式夹袋器

Airbag type bag clamping mechanism
- 结构简单

Simple structure
- 占地面积小、包装速度快

Small footprint, fast packaging speed

产品特性

PRODUCT CHARACTERISTICS

- 抑制粉尘产生

Dust suppression
- 提高物料堆积密度

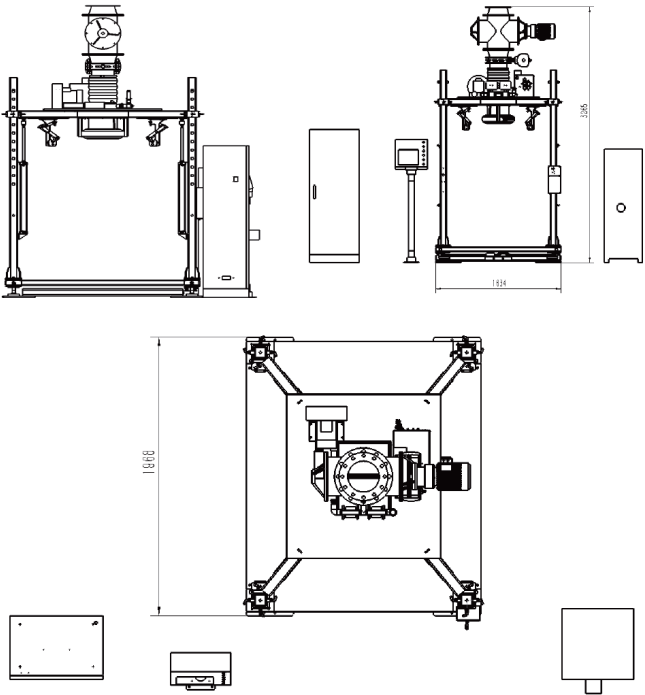
Increase material packing density
- 充填高精度保证

High precision filling guarantee
- 杜绝漏料

Prevent leakage

线图尺寸

SIZE OF LINE CHART



参数说明

PARAMETER DESCRIPTION

项目 Project	分类 Classification
型号 Model number	HEF-1000AJ(2)
计量方式 Method of measurement	星形给料+电子称重 Star feed + electronic weighing
操作界面 Operating interface	触摸屏人机界面 Touch screen man-machine interface
材质 material	与物料接触部分304, 其余碳钢喷塑 Part in contact with the material 304, the rest of the carbon steel spray
包装重量(max) Packing weight (max)	100KG-800KG
充填效率(max) Filling efficiency (max)	≤4000KG/小时
包装精度 Packaging accuracy	±2000g
电源 Power source	380V
整机功率 Overall power	5KW (根据实际客户需求有变动) 5KW (subject to change according to actual customer demand)
电箱防护等级 Protection level of electric box	≥IP54

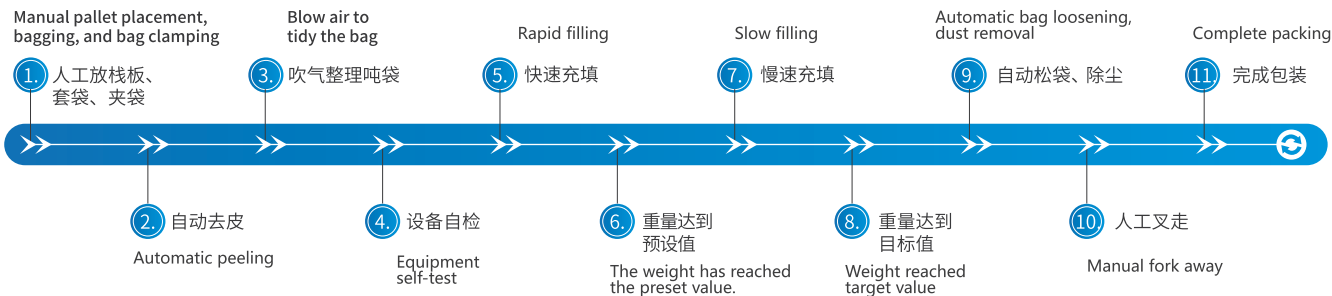
选型说明

SELECTION INSTRUCTIONS

可选型号 OPTIONAL MODEL	产品名称 PRODUCT NAME
HEFXJ-1000S	粉料下称重标准式水平双螺旋吨袋包装机 Powder under-weighing standard horizontal double screw FIBC Jumbo Bag packaging machine
HEFXJ-1000C	粉料下称重标准式电磁震动吨袋包装机 Powder under-weighing standard electromagnetic vibration FIBC Jumbo Bag packaging machine
HEFXJ-1000X	粉料下称重标准式旋转阀吨袋包装机 Powder under-weighing standard rotary valve FIBC Jumbo Bag packaging machine
HEFXJ-1000H	粉料下称重标准式弧形阀吨袋包装机 Powder under-weighing standard curved valve FIBC Jumbo Bag packaging machine

工艺流程

PROCESS



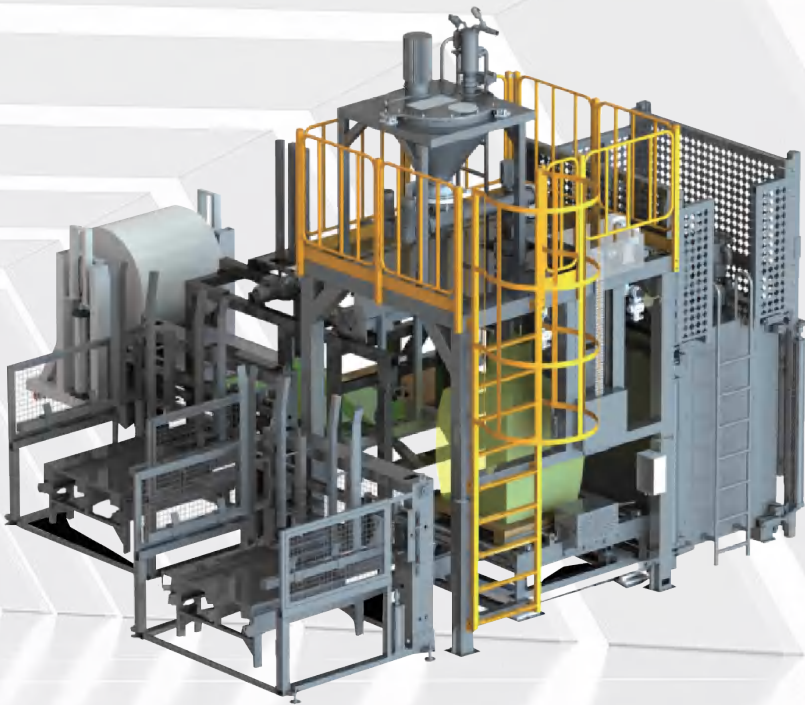
HEZ-1000

全自动吨袋包装机

FULLY AUTOMATIC FIBC JUMBO BAG PACKAGING MACHINE

全自动吨袋包装机是一款集自动上袋、空托盘回收、托盘拆垛、吨包称重、抽真空封口、缠膜一体化的全自动生产线,包括空袋上线、枚取送袋、托盘拆垛入线、夹袋、吹袋、托盘拆、双螺旋送料、灌装、除尘、自动称重、移袋、抽真空封口、缠膜、成品出线托盘回收等工序。

The fully automatic FIBC Jumbo Bag packaging machine is a fully automatic production line that integrates automatic bagging, empty pallet recycling, pallet unstacking, FIBC Jumbo Bag weighing, vacuum sealing, and film wrapping. It includes processes such as empty bag feeding, bag picking and delivery, pallet unstacking and entry, bag clamping, bag blowing, pallet unstacking, dual spiral feeding, filling, dust removal, automatic weighing, bag moving, vacuum sealing, film wrapping, finished product output, and pallet recycling.



在过去的十几年里,恒尔在粉末包装行业中积极处理各种疑虑和问题,并致力于寻找解决方案。以客户为核心,以行业需求为导向,恒尔成功研发出国内首台自动加减料系统,填补了该领域的空白。在此基础上,结合客户和市场的需求,又研发出了超细粉脱气吨包装机全自动生产线设备。该产品能够有效应对市场对抽真空脱气、物料易存、自动化、精准度高、损耗少、人效高的变化需求,为企业提供了有力的生产保障。

Over the past decade, Henll has actively solved various doubts and issues in the powder packaging industry and has been dedicated to finding solutions. With customers as the core and industry demands as the guiding principle, Henll has successfully developed the first domestic automatic material addition and subtraction system, filling a gap in the field. Building upon this achievement, Henll has also developed a fully automated production line for the superfine powder degassing FIBC Jumbo Bag packaging machine, based on the needs of customers and the market. This product effectively meets the evolving market demands for vacuum degassing, convenient material storage, automation, high precision, low loss, and improved personal efficiency, providing strong production support for enterprises.

适用范围

SCOPE OF APPLICATION

- 粉体物料、颗粒物料
Powdered & granular materials
- 干燥物料
Dry material
- 含气量大物料
Large gas content material
- 比重轻物料
Light weight material
- 易起尘物料
Dusty material
- 高价值物料
High value material

产品亮点

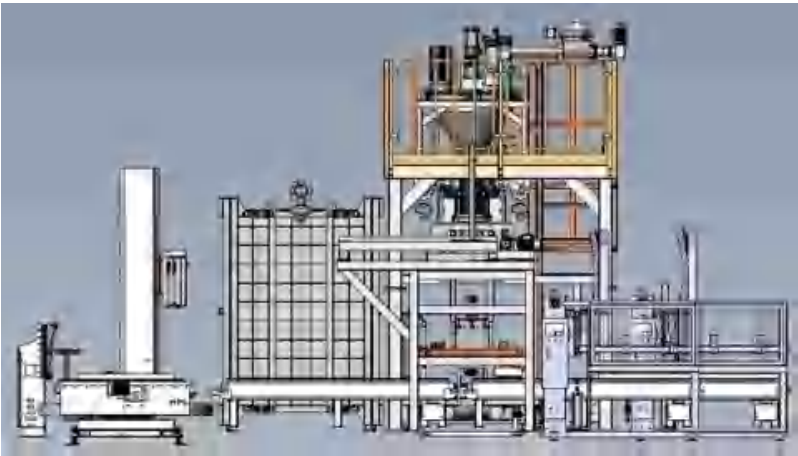
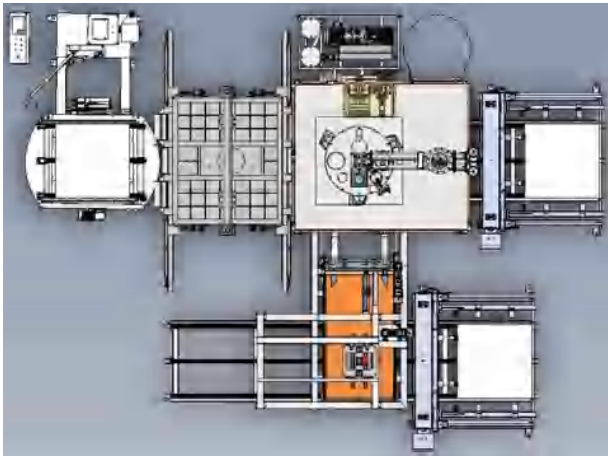
PRODUCT HIGHLIGHTS

- 自动取袋、上袋
Automatic bag fetching and bagging
- 自动加减料系统
Automatic feeding and dosing system
- 辅助输送系统
Auxiliary conveying system
- 全程无需人工干预
No manual intervention required throughout the process

产品特性

PRODUCT CHARACTERISTICS

- 智能复称系统
Intelligent re-weighing system
- 填充精度高
High-precision filling
- 自动脱气抽真空功能(可选)
Automatic degassing and vacuuming feature (optional)
- 防止扬尘
Prevent dust pollution
- 满足码垛要求
Meet palletizing requirements



包装能力 Packaging capacity	细粉颗粒 / 粉体 (D50=2~5μm) ≥ 8 包 / 小时 / 台, 每包 500kg, ≥ 4 包 / 小时 / 台, 每包 1000kg Fine powder particles/powder (D50=2-5μm) ≥8 bags/hour/unit, each bag 500kg; ≥4 bags/hour/unit, each bag 1000kg
称量范围 Weighing range	100~1000kg
包装精度 Packaging precision	±500g (500kg 时), ±0.1% ±500g (for 500kg), ±0.1%
袋子充填率 Bag filling rate	物料填充到袋子充填率为 95% Material is filled into bags to a filling rate of 95%
噪音 Noise	噪音水平低于 75 分贝。(测量按照 EN ISO 11202 标准) Noise level below 75 dB. (Measured in accordance with EN ISO 11202 standard)
供电 Power supply	380VAC (+6 % - 10 %) /50Hz (+0 % - 2 %)
控制电压 Control voltage	220VAC 控制柜配电 220VAC control cabinet power distribution
控制电压 Control voltage	24VDC 控制柜配电 24VDC control cabinet power distribution
接地保护 Grounding protection	TN

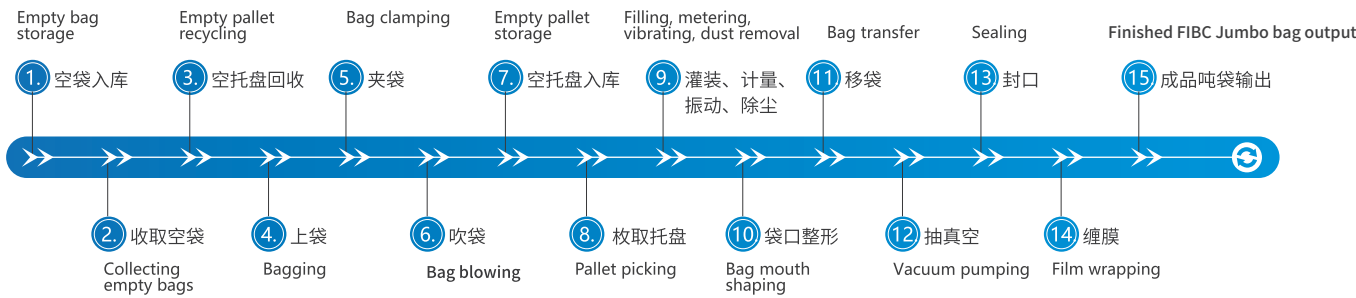
选型说明

SELECTION INSTRUCTIONS

可选型号 Optional model	产品名称 Product name
HEZC-1000S	粉料全自动水平双螺旋吨袋包装机(双上袋功能) Automatic horizontal double-screw FIBC Jumbo bag packaging machine for powder materials (with dual bag-loading function)
HEZZ-1000S	粉料全自动水平双螺旋吨袋包装真空封口一体机(双上袋功能) Automatic horizontal double-screw FIBC Jumbo bag packaging vacuum sealing integrated machine for powder materials (with dual bag-loading function)
HEZC-1000T	超细粉全自动脱气螺旋吨袋包装机(双上袋功能) Automatic degassing spiral FIBC Jumbo bag packaging machine for ultra-fine powders (with dual bag-loading function)
HEZZ-1000T	超细粉全自动脱气螺旋吨袋包装真空封口一体机(双上袋功能) Automatic degassing spiral FIBC Jumbo bag packaging vacuum sealing integrated machine for ultra-fine powders (with dual bag-loading function)

工艺流程

PROCESS



03

GRANULAR PACKAGING MACHINE

HK-SERIES

颗粒包装机类
HK-系列

研发目的

RESEARCH AND DEVELOPMENT PURPOSE

随着企业生产的不断进步和制造水平的日益提升，颗粒包装的需求也发生了显著变化。尤其是颗粒加工和粮食加工企业，对技术的先进性有了更高的要求。在从工业 3.0 向 4.0 过渡的过程中，我们的研发目标更加明确，针对性更强。通过技术的改革创新和沉淀积累，有效解决了企业常见的难题。如：生产效率低下、计量不准确、堵料、上袋困难、无法达到标准等

With the continuous progress of enterprise production and the increasing improvement of manufacturing level, the demand for particle packaging has also undergone significant changes. Especially for particle processing and grain processing enterprises, there are higher requirements for the advancement of technology. In the process of transitioning from Industry 3.0 to 4.0, our R&D goals are more clear and more targeted. Through technological reform, innovation and precipitation and accumulation, common problems of enterprises have been effectively solved, such as low production efficiency, inaccurate measurement, material blockage, difficult bagging, and failure to meet standards.

效率低&包装质量差 INEFFICIENT & POOR PACKAGING QUALITY

没有全自动标准生产，包装过程不稳定需要大量人工干预。导致整个包装流程效率低，和产品质量不统一。

There is no fully automatic standard production, the packaging and requires a lot of manual the packaging process is unstable and requires a lot of manual intervention. This leads to low efficiency in the entire packaging process and inconsistency in product quality.

01

02

计量不准确&易堵料 MEASUREMENT INACCURATE AND PRONE TO CLOGGING.

称量出来的大米重量与要求的重量不一致，需要人工重新称重处理。设计上的不足导致大米的振动不足或者调整不当造成的堵料。

The weight of the rice measured does not match the required weight, and it needs to be manually re-weighed and processed. Insufficient vibration or improper adjustment of the rice due to design flaws has caused blockages.

套袋效果差 POOR BAGGING EFFECT

产品设计构结复杂，零件和安装步骤繁多，吸盘吸力小且硬度高，经常吸袋不成功，上袋难。经常无法开袋，致使设备报警停机，大大增加了制造和人工成本，不利于量化生产。

Product design is complex, with numerous parts and installation steps. The suction cup has low suction force and high hardness, often failing to successfully pick up bags, making bag placement difficult. Frequently unable to open bags, resulting in equipment alarms and shutdowns, greatly increasing manufacturing and labor costs, not conducive to mass production.

03

04

整形难&占存储空间 DIFFICULT SHAPING & OCCUPIES STORAGE SPACE

成品包形走形，外观不好看和不标准，占用仓库和运输空间及影响客户售卖效果。

The finished product's packaging is misshapen, the appearance is unattractive and non-standard, occupying warehouse and transportation space, and affecting customer sales effectiveness.

旧的产线，升级困难 OLD PRODUCTION LINE, WITH DIFFICULTY IN UPGRADING.

企业虽有升级改造的意愿，但受空间、技术、机型等多重限制，难以更进一步。同时，机械体积过大、供应商技术滞后、与老产线对接困难等问题，也制约了升级改造的实施。

Despite the intention of enterprises to upgrade and renovate, they face multiple constraints such as space, technology, and machine type, making it difficult to make further progress. Simultaneously, issues like the substantial size of the machinery, the outdated technology of the supplier, and the difficulty in integrating with the old production line also hinder the implementation of the upgrade and renovation.

05

全自动颗粒包装机（大米系列）

FULLY AUTOMATIC GRANULE PACKING MACHINE (RICE SERIES)

虽然市场上有许多大米全自动包装机出售，但在设备配件选型和配置质量、设备稳定性等方面仍存在问题，导致设备质量和效率无法满足客户要求。为此，恒尔重新立项研发，着重在袋库优化升级、设备结构优化、填充过程除尘设计、设备配件选项质量等环节取得重点突破。该设备结构精巧，占地面积小，经过多次改良实验的落地成果，使产品更符合大米、五谷及其他食品颗粒包装的属性，更好地满足客户需求。其具有针对性强、实用性强、行业应用广等特点。

Although there are many fully automatic rice packaging machines in the market, there are still issues concerning the selection and quality of equipment components, equipment stability, and other factors, resulting in the inability of the equipment to meet customer requirements in terms of quality and efficiency. However Henll has initiated a new research and development project, focusing on key breakthroughs in bag storage optimization and upgrading, equipment structure optimization, dust removal design during the filling process, and the quality of equipment component options. The compact structure of this equipment requires minimal floor space. Through multiple iterations and experimental improvements, the resulting product is better suited for packaging rice, grains, and other food particles, effectively meeting customer demands. It has the characteristics of strong targeting, strong practicality, and wide industry applications.



适用范围 SCOPE OF APPLICATION

粮食颗粒：
米、五谷杂粮、大豆、红豆、
饲料颗粒等颗粒状物料
Grain particles: rice, cereals,
soybeans, red beans, feed pellets
and other granular materials.

肥料化工：
掺混肥,复合肥,有机肥
及含有水分的物料。
Fertilizer Chemical Industry:
blended fertilizer, compound fertilizer,
organic fertilizer and
moisture-containing materials.

产品亮点 PRODUCT HIGHLIGHTS

- 先进的上袋开袋系统
Advanced bag loading and opening system
- 精确计量，产品标准化
Precise measurement, product
standardization
- 全程无人化，省时高效
Fully automated, time-saving and efficient
- 节能环保，能源消耗少
Energy-saving and environmentally
friendly, low energy consumption
- 适用范围广，生产的灵活
Wide application range, production flexibility
- 用户体验好，易学和易用
Good user experience, easy to learn and use

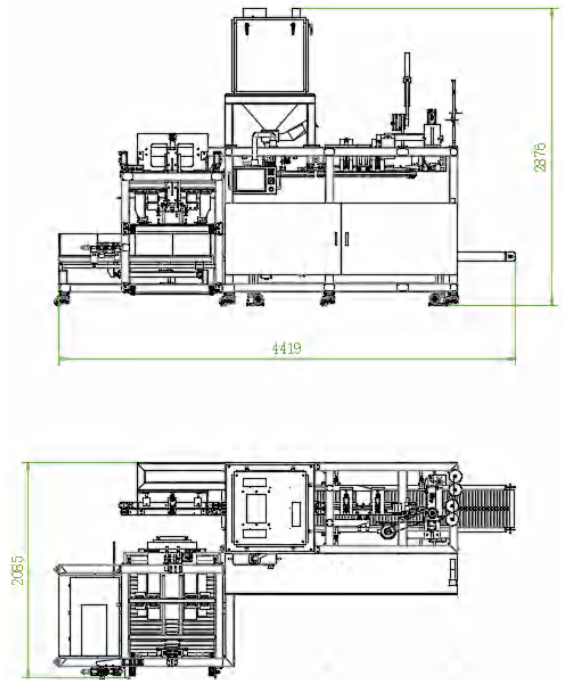
产品特性 PRODUCT CHARACTERISTICS

- 全自动折边封口一体化。
Fully automatic edge folding
and sealing integration.
- 配方参数存储
一键切换包装规格
Recipe parameter storage
One-click switch of packaging
specifications
- 触摸屏、PLC可编程
集中控制系统
Touch screen, PLC programmable
centralized control system.
- 双工位供袋机构
不停机连续供袋
Dual-station bag supply
mechanism, continuous bag
supply without shutdown.
- 三传感器称重结构，精准下料
Three-sensor weighing structure,
precise feeding.

选型说明 SELECTION INSTRUCTIONS

可选型号 Optional model	产品名称 Product name
HKZMX-25G	全自动高速给袋式线缝包装机组(10-25kg) Full Automatic High-speed Bag Seam Packaging Unit (10-25kg)
HKZMZ-25G	自动高速给袋式真空热封定型一体机组(50kg) Automatic High-Speed Bag Vacuum Sealing and Forming Integrated Machine Unit (50kg)
HKZMX-50G	全自动高速给袋式线缝包装机组(50kg) Full Automatic High-Speed Bag Seam Packaging Unit (10-25kg)

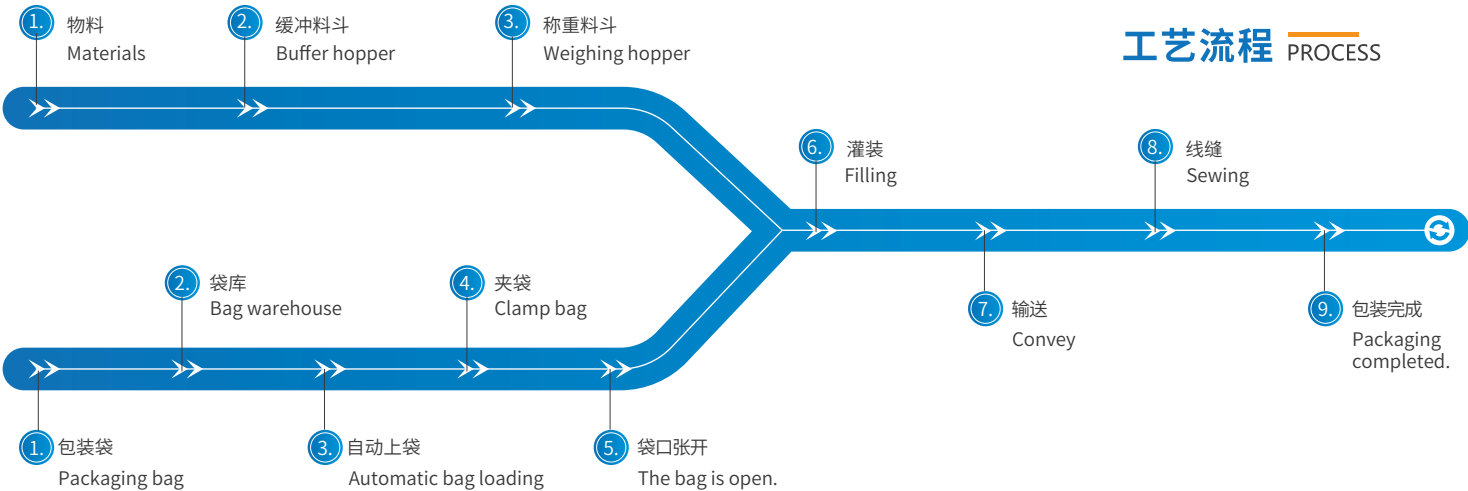
线图尺寸 SIZE OF LINE CHART



参数说明 PARAMETER DESCRIPTION

项目 Project	分类 Classification
填充方式 Filling method	1发/1袋填充 1 shot/1 bucket filled
包装物料 Packaging materials	大米、其它食品颗粒 Rice, other food pellets
包装袋材质 Packaging bag material	无覆膜编织袋、双面覆膜编制袋 Non-coated woven bags, double-coated woven bags
包装范围 Packaging scope	5kg~25kg
封口形式 Sealing form	双线缝纫(可选折边)、包边+双线缝纫、热封 Double-stitch sewing (optional with hemming), overedging + double-stitch sewing, heat sealing
包装速度 Packaging speed	大于300包/小时 More than 300 bags per hour
给料方式 Feeding method	重力给料 Gravity feeding
包装精度 Packaging precision	正负千分之二 Plus or minus two thousandths
包装袋尺寸 Packaging bag size	240mm*500mm-- 470mm*755mm

工艺流程 PROCESS





全自动颗粒包装机 (工业颗粒系列)

FULLY AUTOMATIC GRANULEPACKING MACHINE (INDUSTRIAL PARTICLE SERIES)

全自动给袋式大规格包装机组是一套可适用于纸袋、编织袋、塑料袋等各种包装材料，全自动给袋装置适应高速连续作业，可进行10~25kg的袋包装，具有500袋/小时的能力。采用马达驱动装置，可发挥更高效能，各执行单元均设有控制和安全装置，实现自动连续运转。具有较强的针对性强、实用性强、行业应用范围广等特点。

The fully automatic bag-feeding large-scale packaging machine set is suitable for various packaging materials such as paper bags, woven bags, and material bags. The fully automatic bag-feeding device is adapted to high-speed continuous operation and can package bags weighing 10~25kg, with a capacity of 500 bags per hour. Equipped with an electric motor drive system, it can achieve higher efficiency. Each execution unit is fitted with control and safety devices to realize automatic and continuous operation. It features strong specificity, practicality, and a wide range of industry applications.

适用范围 SCOPE OF APPLICATION

- 化工、饲料、粮食等行业
Chemicals, feed, food and other industries
- 单层牛皮纸袋、覆膜袋
Single layer kraft paper bag, Coated bag
- 单层铝塑膜袋
Single-layer aluminum plastic film bag
- 单层复合膜袋
Single-layer composite film bag
- 10-50Kg包装规格均适用
The packaging specifications of 10-50Kg are all applicable.

产品亮点 PRODUCT HIGHLIGHTS

- 全过程无尘化环境
Dust-free environment throughout the process
- 保证高标准填充精度
Ensure high-standard filling accuracy.
- 包装速度快，精度高
Packaging speed is fast, and the precision is high.
- 全程无人化
Full automation

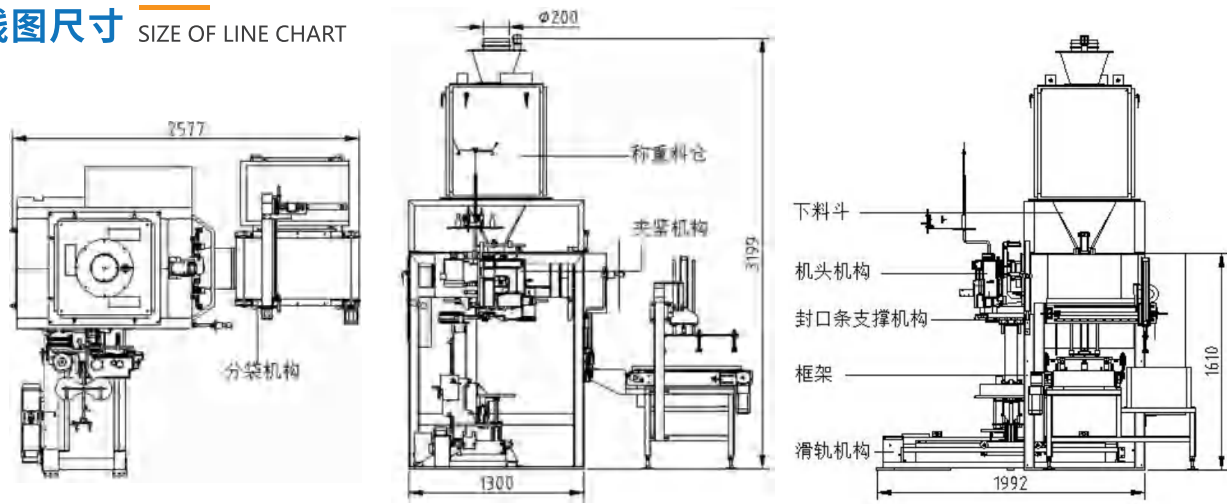
产品特性 PRODUCT CHARACTERISTICS

- 物料方形平整不倾斜方便搬运减少仓储空间
Materials are square and flat, not skewed, facilitating handling and reducing storage space.
- 一键完成所有工序减少人工成本，提升效率
One-click to complete all processes, reduce labor costs, and improve efficiency.
- 结构结实合理运行稳定寿命长
The structure is robust, the operation is stable, and it has a long lifespan
- 专用的除尘技术防止物料扬尘
Specialized dust removal technology prevents material dust.
- 物料抽真空压实封口，密度可控
Material vacuuming to compact the seal, density is controllable

选型说明 SELECTION INSTRUCTIONS

型号	产品名称
HKZGX-50D	全自动给袋式线缝包装机组(50kg) Full Automatic Bag Sewing Packaging Unit (50kg)
HKZGR-50D	全自动给袋式热封包装机组(50kg) Full Automatic Bag Heat-sealing Packaging Unit (50kg)
HKZGZ-50D	全自动给袋式抽真空定型热封一体机组(50kg) Full Automatic Bag Vacuum forming & Heat-sealing Integrated Machine Unit (50kg)

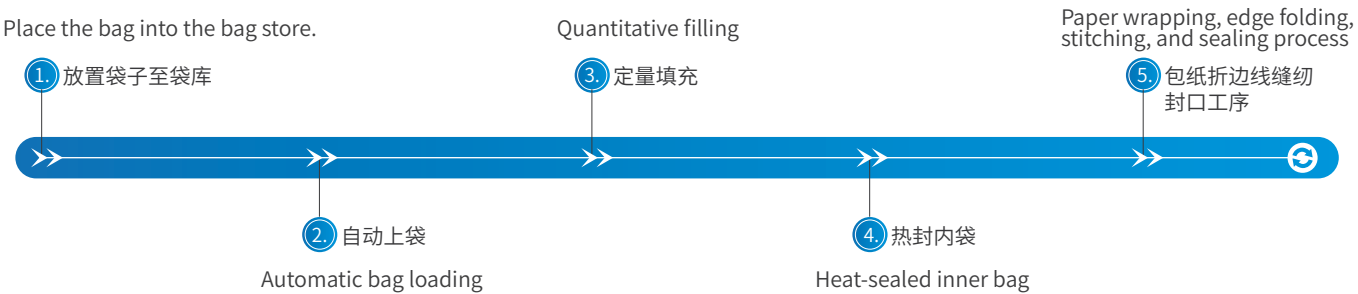
线图尺寸 SIZE OF LINE CHART



选型说明 SELECTION INSTRUCTIONS

项目Project	分类Classification
填充方式 Filling method	1发/1袋填充 1 release/1 bag
包装物料 Packaging material	颗粒 granules
袋材料 Bag material	a、牛皮纸袋覆膜 b、编织袋覆膜 a. Coated kraft paper bags b. Laminated woven bags
最大包装能力 Maximum packaging capacity	≥120包/小时 ≥120 bags/hour
充填量 Filling volume	15-25kg/袋 15-25 kg/bag
袋尺寸:长(毫米) Bag size: Length (mm)	纸袋750-950 编织袋550-1050 Paper bags 750-950 Woven bags 550-1050
袋尺寸:宽(毫米) Bag size: Width (mm)	400-520
袋尺寸:底宽(毫米) Bag size: Bottom width (mm)	纸袋75 Paper bag 75
封口方式 Sealing method	纸袋:线缝、折边缝、包边缝、热封 Paper bags: linear sewing, folding sewing, border sewing, heat sealing.
最大耗气量(5kg/Gcm³) Maximum air consumption (5kg/Gcm³)	0.5Nm³/min
所需电力 Required power	3kw
机器重量 Machine weight	约1000kg Approximately 1000 kg

工艺流程 PROCESS



04

真空封口机类 HT-系列
(适用于小袋、大袋、吨袋)

VACUUM SEALING MACHINE
(SUITABLE FOR SMALL BAG, LARGE BAG, FIBC JUMBO BAG)

HT-SERIES



一切为了让您更省心

ALL OUR EFFORTS FOR YOUR CONVENIENCE

恒尔十多年来，在超细粉料包装设备不断研发探索，经过多次改良，针对绝大多数粉体，如细粉、超细粉和高附着力粉料，提供高精度定量脱气充填和包装，能够很好解决物料含气量大、抑扬尘和高精度包装的核心技术集成包装设备

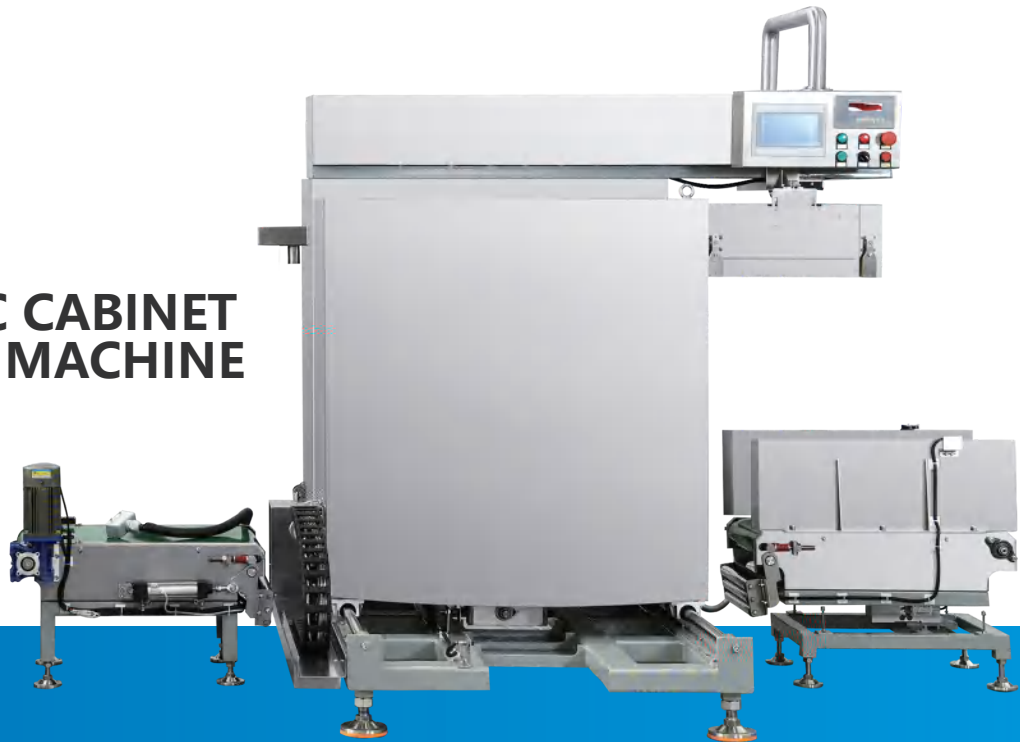
For over a decade, Henll has been continuously researching and exploring ultra-fine powder packaging equipment. After multiple improvements, it provides high-precision quantitative degassing filling and packaging for the vast majority of powders, such as fine powder, ultra-fine powder, and high adhesion powder. It can effectively solve the core technology of high gas content, dust suppression, and high-precision packaging in materials. Integrated packaging equipment

型号	产品名称	包装重量
HTZZ-50	自动输送箱式真空封口机无定型一体机组 Automatic Conveying Cabinet Vacuum Sealing Non-forming Integrated Machine Unit	1-50Kg
HTZZ-50D	自动输送箱式真空封口机定型一体机组 Automatic Conveying Cabinet Vacuum Sealing and Forming Integrated Machine Unit	
HT-50	半自动箱式真空封口机 Semi-automatic Cabinet Vacuum Sealing Machine	通用 Be common
HT-800	外置式真空封口机 External vacuum sealing machine	
HTFZ-50C	快速真空沉淀箱 Rapid vacuum setting tank	5-50kg
HTFZ-1000L	吨袋箱式两侧升降真空封口机 FIBC Jumbo Bag Cabinet Two Sides Lift Door Vacuum Sealing Machine	300~1000Kg
HTFZ-1000S	吨袋箱式三侧升降真空封口机 FIBC Jumbo Bag Cabinet Three Sides Lift Door Vacuum Sealing Machine	
HTFZ-1000X	吨袋箱式升降真空封口机 FIBC Jumbo Bag Cabinet lifting vacuum sealing machine	
HTFZ-1000H	吨袋箱式水平开门真空封口机 FIBC Jumbo Bag Cabinet horizontal door vacuum sealing machine	

箱式真空封口机

FULLY AUTOMATIC CABINET VACUUM SEALING MACHINE

HTFZ-50



全自动箱式真空封口机是恒尔的专利型真空包装设备之一，采用了多项专利技术集成，根据生产需求能做到有效真空、防漏、防尘等问题；在内部结构中，也做了适应性处理，箱体内置夹袋器可调高度，适用不同包装规格。在功能上也做了定型或不定型按需定制的可选型号。

The fully automatic Cabinet vacuum sealing machine is one of Henll patented vacuum packaging equipment, which adopts multiple patented technology integration and can achieve effective vacuum, leak proof, dustproof and other problems according to production needs; In the internal structure, adaptability treatment has also been applied, and the height of the built-in bag clamp in the box is adjustable, suitable for different packaging specifications. In terms of functionality, it has shaping type or non-shaping type, can select models according to customized requirements.

适用范围

SCOPE OF APPLICATION

- 粉体或其它需要抽真空物料
Powdered or other materials requiring vacuum extraction
- 铝塑膜袋
Aluminum plastic film bag
- 复合袋
Composite bag
- PE袋
PE bag
- 易起尘物料
Dust prone materials
- 高价值物料
High value materials

产品亮点

PRODUCT HIGHLIGHTS

- 一次定型无需模具
One-time shaping without the need for molds
- 智能化控制真空度
Intelligent control of vacuum degree
- 双面双保险热封机构
Double sided double safety heat sealing mechanism
- 均压式负压排气口
Equal pressure negative pressure exhaust port

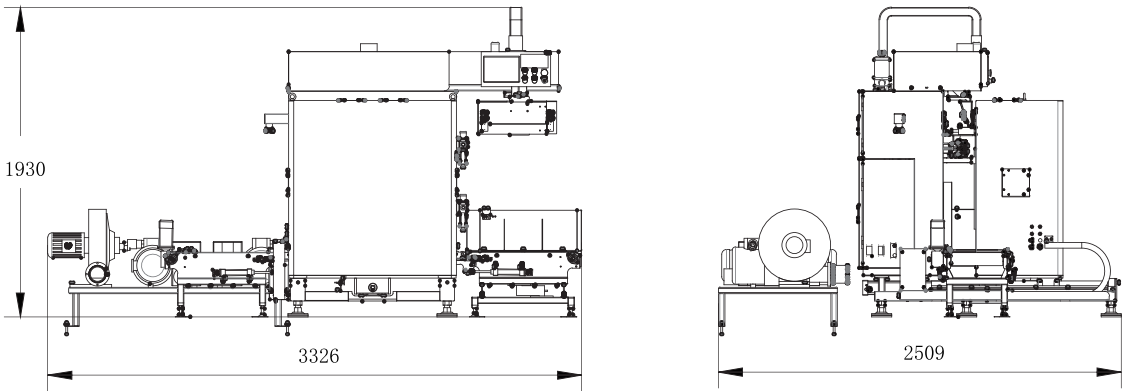
产品特性

PRODUCT CHARACTERISTICS

- 自动抽真空
Automatic vacuum pumping
- 热封密封袋口
Sealing the bag mouth with heat
- 夹袋机构高度可调
The height of the bag clamping mechanism is adjustable
- 防漏、防尘
Leak proof and dustproof
- 产能提效
capacity Improving efficiency

线图尺寸

SIZE OF LINE CHART



选型说明

SELECTION INSTRUCTIONS

可选型号	可选型号	产品名称	产品名称
HTZZ-50	HTZZ-50	自动输送箱式真空封口无定型一体机	Automatic Conveying Cabinet Vacuum Sealing Non-forming Integrated Machine Unit
HTZZ-50D	HTZZ-50D	自动输送箱式真空封口定型一体机组	Automatic Conveying Cabinet Vacuum Sealing and Forming Integrated Machine Unit

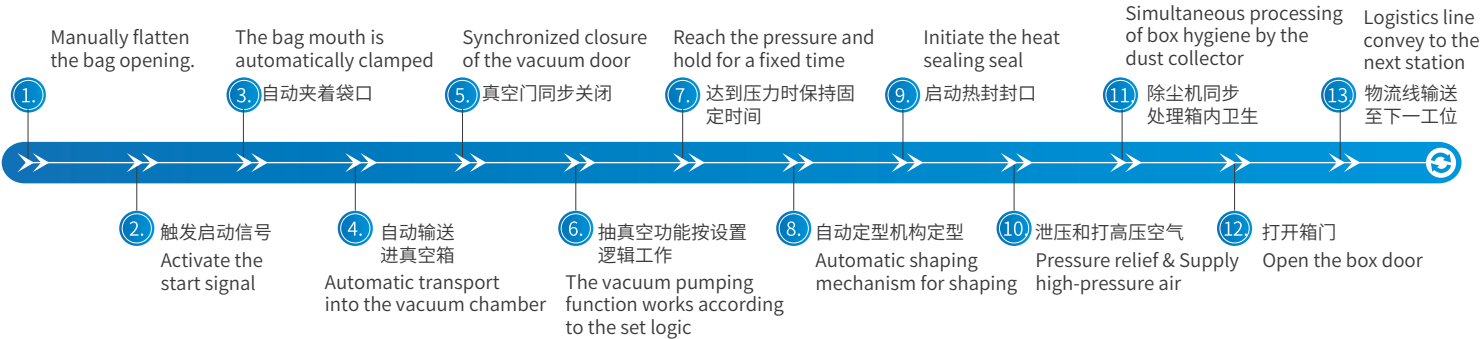
参数说明

PARAMETER DESCRIPTION

项目	项目	分类	分类
热封宽度	热封宽度	600mm	600mm
最大负压压力值	最大负压压力值	可达到-70KPA	可达到-70KPA
热封功能	热封功能	可选: 单面型	可选: 双面型
封口条数	封口条数	可选: 单道热封型	可选: 双道热封型
材质	材质	可选: 不锈钢型 304L/316L	可选: 机体部分喷塑钢型
防爆	防爆	可选: 防爆型	可选: 非防爆型
速度	速度	可选: 普通型 1包/1.5分钟	可选: 高速型 1包/1分钟
电机	电机	伺服电机	伺服电机

工艺流程

PROCESS



半自动箱式真空封口机 HTFS-50

SEMI-AUTOMATIC CABINET VACUUM SEALING MACHINE

半自动箱式真空封口机的操作形式简单、效率高、便于重物搁置。真空室容积大,袋口立封形式,可连同产品外包装(如:桶、盒)。直接搁置于真空室内,完成内袋的真空封口。它们在食品和药品行业广泛使用,也可以用于其他需要真空封装的产品,适用行业。

The semi-automatic Cabinet vacuum sealing machine has the advantages of simple operating form, high efficiency, and is easy to place heavy objects. The vacuum chamber has a large volume and the bag mouth is sealed vertically. It can be packaged together with the product (such as barrels and boxes). It is directly placed in the vacuum chamber to complete the vacuum sealing of the inner bag. They are widely used in the food and pharmaceutical industries, and can also be used for other products requiring vacuum packaging,

适用范围 SCOPE OF APPLICATION

- 各种粉体、颗粒或其它需要抽真空物料
Various powders, granules, or other materials requiring vacuum extraction

产品亮点 PRODUCT HIGHLIGHTS

- 智能化控制真空度
Intelligent control of vacuum degree
- 双面双保险热封机构
Double sided double safety heat sealing mechanism
- 均压式负压排气口
Equal pressure negative pressure exhaust port

产品特性 PRODUCT CHARACTERISTICS

- 热封密封袋口
Sealing the bag mouth with heat
- 提高物料堆积密度
Increase material bulk density
- 杜绝溢粉
Prevent powder overflow
- 自动抽真空定型
Automatic vacuum shaping



快速真空沉淀箱 HTFZ-50C

RAPID VACUUM SETTLING TANK

适用于小规格包装的二次脱气处理,对整包物料进行整体脱气,进一步提高袋装后物料的堆积密度。

It is applicable to the secondary degassing treatment of small-size packaging, which degasses the whole package of materials and further improves the bulk density of bagged materials.

适用范围 SCOPE OF APPLICATION

- 对粉料、颗粒或其他物料进行抽真空,使其更加紧实。无需封口,待物料紧实后输出。

Vacuum the powder, granules, or other materials to make them more tightly packed. There is no need for sealing, and the materials will be output after being tightly packed.

产品特性 PRODUCT CHARACTERISTICS

- 5-50KG袋装物料
5-50kg bagged materials
- 对整包物料进行整体脱气,进一步提高物料堆积密度
Degassing the whole package of materials to further improve the bulk density of materials

产品亮点 PRODUCT HIGHLIGHTS

- 高效快速
Efficient and fast
- 整包有效脱气
Effective degassing of the whole package
- 增加体积密度
Increase bulk density
- 高品质沉淀
High-quality settlin

吨袋箱式升降真空封口机
FIBC JUMBO BAG CABINET LIFTING VACUUM SEALER

HEFZ-1000X



吨袋箱式升降真空封口机是恒尔的专利型真空包装设备之一,采用了多项专利技术集成,根据生产需求能做到有效真空、防漏、防尘等问题;在内部结村构中,也做了适应性处理,箱体内置夹袋器可调高度,适用不同包装规格。在功能上也做了定型或不定型按需定制的可选型号。

The FIBC Jumbo Bag Cabinet lifting vacuum sealing machine is one of Henll's patented vacuum packaging equipment, which adopts multiple patented technology integration, and can achieve effective vacuum, leak prevention, dust prevention and other problems according to production needs; In the internal structure, adaptability treatment has also been applied, and the height of the built-in bag clamp in the box is adjustable, suitable for different packaging specifications. In term of function, it has shaping type or non-shaping type, can select models according to customized requirements.

适用范围
SCOPE OF APPLICATION

- 超细粉高价值物料装吨袋后的真空包装
Vacuum packaging of superfine powder high value materials packed in ton bags
- 快速提高吨袋高含气量的物料的堆积密度
Rapidly increase the bulk density of materials with high gas content in ton bags
- 应用范围广泛,粉体、颗粒、大体积蓬松物料均适用
Widely applicable, suitable for powders, granules, and bulky fluffy materials

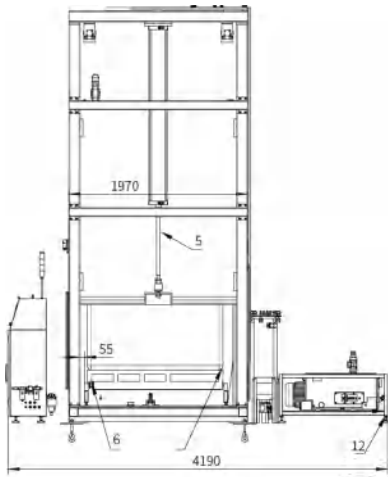
产品亮点
PRODUCT HIGHLIGHTS

- 过程自动化
Process automation
- 双面双保险热封机构
Double sided and double insurance heat sealing mechanism
- 智能化控制真空度
Intelligent control of vacuum degree
- 均压式负压排气口
Pressure equalizing negative pressure exhaust port

产品特性
PRODUCT CHARACTERISTICS

- 自动抽真空定性,热封密封袋口
Automatic vacuum shaping, heat sealing and sealing bag mouth
- 提高物料堆积密度
Increase material bulk density
- 杜绝溢粉
Prevent powder overflow

线图尺寸
SIZE OF LINE CHART



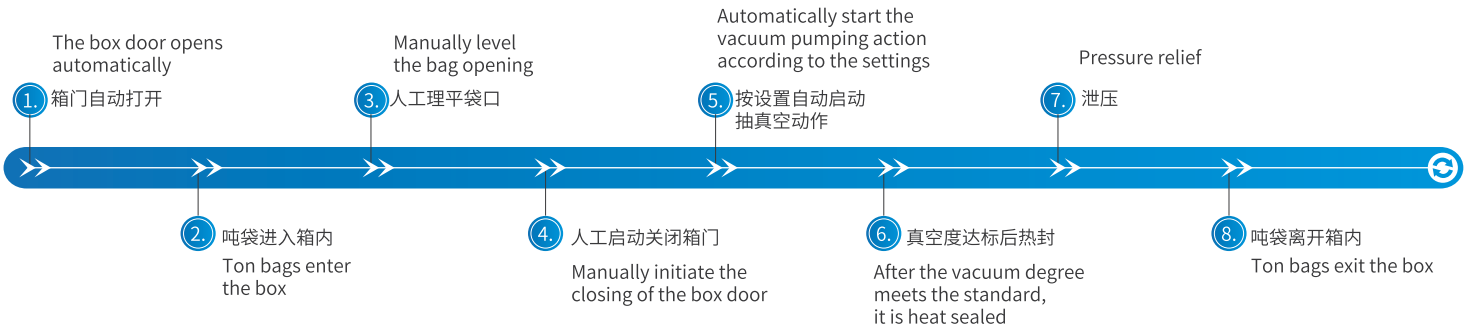
选型说明
SELECTION INSTRUCTIONS

可选型号 Optional model	产品名称 Product name
HTFZ-1000L	吨袋箱式两侧升降真空封口机 FIBC Jumbo Bag Cabinet Two Sides Lift Door Vacuum Sealing Machine
HTFZ-1000S	吨袋箱式三侧升降真空封口机 FIBC Jumbo Bag Cabinet Three Sides Lift Door Vacuum Sealing Machine
HTFZ-1000X	吨袋箱式升降真空封口机 FIBC Jumbo Bag Cabinet lifting vacuum sealing machine
HTFZ-1000H	吨袋箱式水平开门真空封口机 FIBC Jumbo Bag Cabinet horizontal door vacuum sealing machine

参数说明
PARAMETER DESCRIPTION

项目 Project	分类 Classification
整机尺寸 Overall dimensions	4190*1970*3400mm
最大包装物料尺寸 Maximum Packaging Material Size	L1300mm*W1300mm*H1200mm
最大负压值 Maximum Negative Pressure Value	-50kPa
有效封口尺寸 Effective Sealing Size	800*10mm, 双道热封条 800*10mm , Double-track Heat Seal Strip
设备主体材质 Main Body Material of the Equipment	主体框架碳钢烤漆;平台面板304不锈钢,输送滚筒碳钢包胶 Main frame carbon steel with baking paint; Platform panel stainless steel 304, conveyor roller carbon steel with rubber coating
整机功率 Total Power Consumption of the Machine	≈11KW
包装速度 Packaging Speed	<8分钟/包 <8 minutes per pack
电源 Power supply	380V 50Hz

工艺流程
PROCESS





HTFZ-1000L ◀

吨袋箱式两侧升降真空封口机

FIBC JUMBO BAG CABINET TWO SIDE LIFT VACUUM SEALER

本设备是一款先进的吨包抽真空封口机，具有多种优势和特点。它采用了一体化的工作模式，将脱气、除尘和自动封口三个步骤完美结合，提高了工作效率和包装质量。通过手轮调节内部热封机构的高度，使其能够适应各种不同规格的包装袋封口，展现出高度的灵活性和通用性。此外，本设备还可以根据用户的生产场地进行定制，满足不同用户的特殊需求。

This device is an advanced FIBC Jumbo Bag vacuum sealing machine with multiple advantages and features. It adopts an integrated working mode that combines vacuuming, dust removal, and automatic sealing, enhancing both work efficiency and packaging quality. The height of the internal heat sealing mechanism can be adjusted by the handwheel, making it to accommodate various specifications of packaging bags and showcasing high flexibility and versatility. Additionally, the device can be customized according to the user's production site, catering to the specific needs of different users.

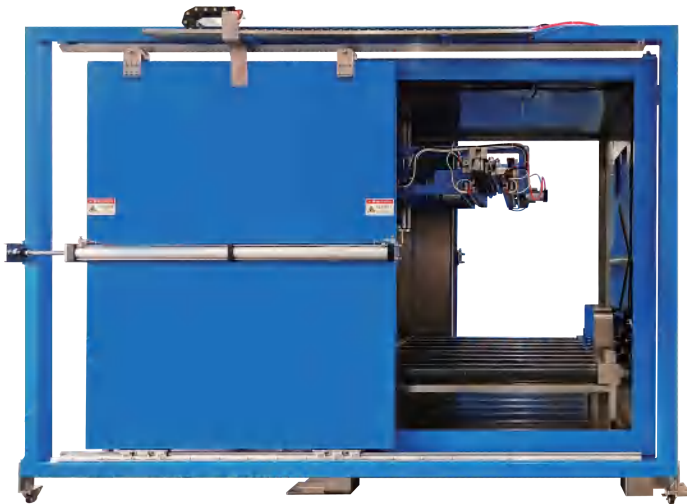
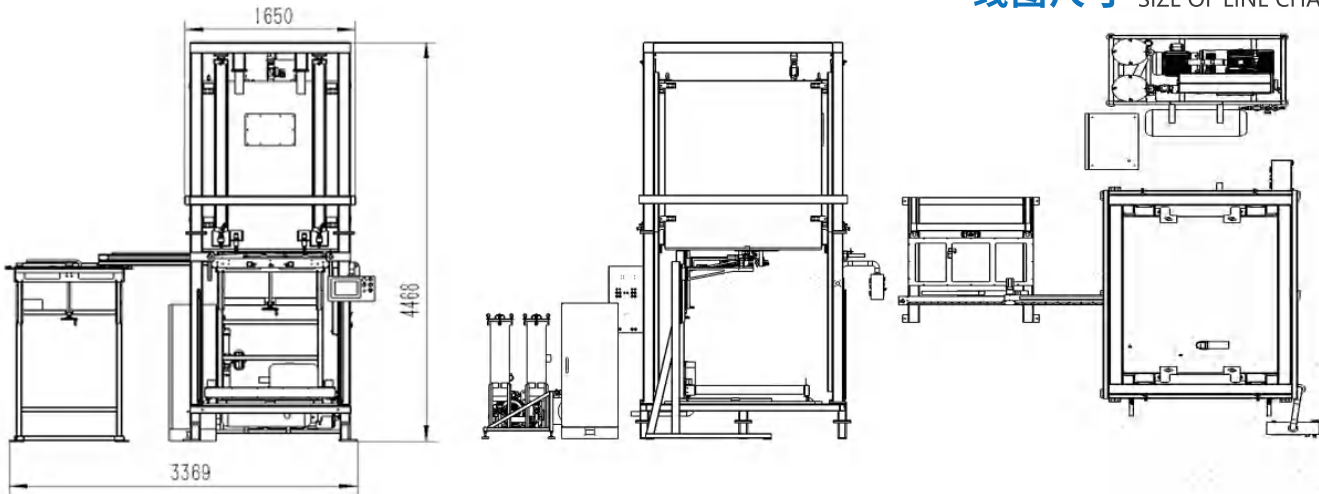
参数说明

PARAMETER DESCRIPTION

项目 Project	分类 Classification
整机尺寸 Overall dimensions	3369*1650*4468mm
最大包装物料尺寸 Maximum Packaging Material Size	1300mm*1300mm*H1200mm
最大负压值 Maximum Negative Pressure Value	-50kPa
有效封口尺寸 Effective Sealing Size	800*10mm, 双道热封条 800*10mm, Double-track Heat Seal Strip
设备主体材质 Main Body Material of the Equipment	主体框架碳钢烤漆;平台面板304不锈钢,输送滚筒碳钢包胶 Main frame carbon steel with baking paint; Platform panel stainless steel 304, conveyor roller carbon steel with rubber coating
整机功率 Total Power Consumption of the Machine	≈11KW
包装速度 Packaging Speed	<8分钟/包 <8 minutes per pack
电源 Power supply	380V 50Hz

线图尺寸

SIZE OF LINE CHART



HTFZ-1000H ◀

吨袋箱式水平开门真空封口机

FIBC JUMBO BAG CABINET HORIZONTAL DOOR VACUUM SEALING MACHINE

吨袋箱式水平单开门真空封口机，用于大规格袋包装物料的抽真空热封口，能自动完成输送、抽真空、保压、成品送出等工作，自动化程度高。广泛应用于粉体、颗粒料等其它需要抽真空的物料如：矿产、磷酸铁锂、三元材料、石墨粉等正极、负极新能源材料、工建材、粮食、饲料等行业，尤其适用于要求物料含气量低或吨袋需要堆叠摆放的情况。

FIBC Jumbo Bag Cabinet horizontal door vacuum sealing machine is designed for vacuum sealing of large-sized bags, capable of automatically completing tasks such as conveying, vacuum extraction, pressure sealing, and finished product output. It has a high degree of automation and is widely applicable in industries dealing with powder, granular materials, and other materials requiring vacuum sealing such as minerals, lithium iron phosphate, ternary materials, graphite powder, as well as positive and negative electrode new energy materials, construction materials, grains, feed, etc. It is especially suitable for situations where materials require low gas content or ton bags need to be stacked and placed.

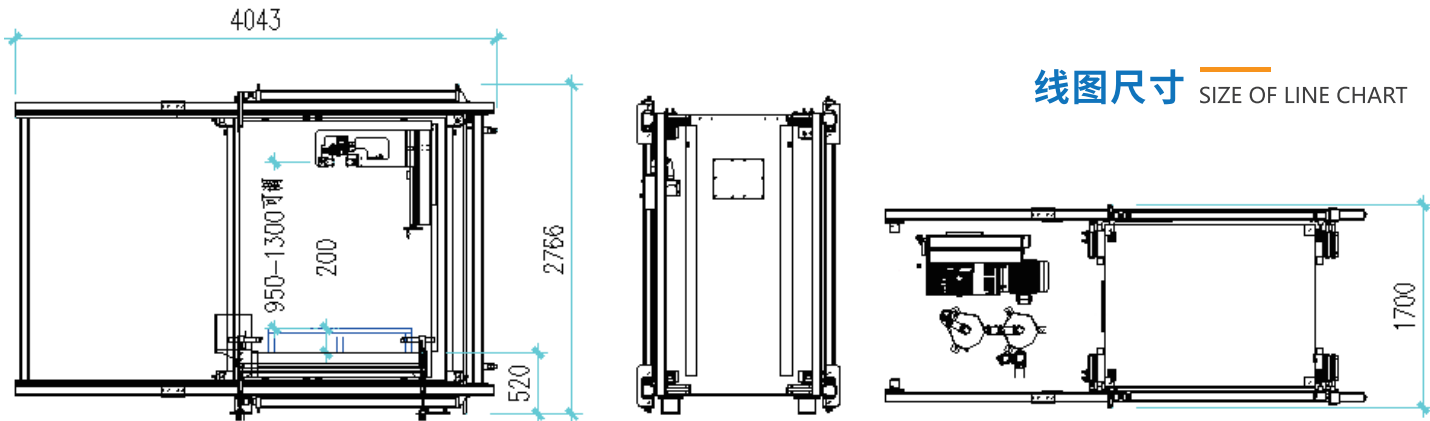
参数说明

PARAMETER DESCRIPTION

项目 Project	分类 Classification
整机尺寸 Overall dimensions	4043*1700*2766mm
最大包装物料尺寸 Maximum Packaging Material Size	1100*1100*H1200mm
最大负压值 Maximum Negative Pressure Value	-80kPa
有效封口尺寸 Effective Sealing Size	800*10mm, 双道热封条 800*10mm, Double-track Heat Seal Strip
设备主体材质 Main Body Material of the Equipment	主体框架碳钢烤漆;平台面板304不锈钢,输送滚筒碳钢包胶 Main frame carbon steel with baking paint; Platform panel stainless steel 304, conveyor roller carbon steel with rubber coating
整机功率 Total Power Consumption of the Machine	≈11KW
包装速度 Packaging Speed	<5分钟/包 <5 minutes per pack
电源 Power supply	380V 50Hz

线图尺寸

SIZE OF LINE CHART



HTFZ-50 ◀

全自动热封线缝一体机

FULLY AUTOMATIC HEAT SEALING AND SEWING INTEGRATED MACHINE.



全自动热封线缝一体机，是一款集先进技术与高效性能于一身的智能设备。它将热封与线缝两项工艺完美融合，实现了全自动的生产流程。这款一体机具备高度自动化的特点，能够大幅提升生产效率，减少人工操作。其精准的热封和线缝技术，确保了产品的密封性和牢固度，无论是在包装行业还是其他领域，都能展现出卓越的性能。它不仅操作简便，还能适应多种材料，为不同需求的生产提供了可靠的解决方案。

The fully automatic heat sealing and sewing integrated machine is an intelligent device that combines advanced technology with high efficiency. It perfectly integrates the processes of heat sealing and sewing, achieving a fully automated production workflow. This integrated machine has the features of high automation, significantly improving production efficiency and reducing manual operations. Its precise heat sealing and sewing technology ensure the sealing integrity and firmness of the products, demonstrating excellent performance in the packaging industry and other fields. It is not only easy to operate but also adaptable to various materials, providing reliable solutions for production with different requirements.



适用范围

SCOPE OF APPLICATION

- ☑ 新能源行业
New energy industry
- ☑ 食品行业
Food industry
- ☑ 化工行业
Chemical industry
- ☑ 医药行业
Pharmaceutical industry
- ☑ 物流行业
logistics industry
- ☑ 日化行业
Daily chemical industry



产品亮点

PRODUCT HIGHLIGHTS

- ☑ 高效生产
High-efficiency production
- ☑ 自动化操作
Automated operation
- ☑ 高质量缝制
High-quality sewing
- ☑ 适应性强
Strong adaptability
- ☑ 精准控制
Precise control
- ☑ 安全可靠
Safe and reliable



产品特性

PRODUCT CHARACTERISTICS

- ★ 高效率的自动化生产过程
Fully automatic edge folding and sealing integration.
- ★ 先进的控制系统和精密的传感器
Advanced control system and precise sensors
- ★ 减少人力成本和物料浪费
Reduce labor costs and material waste
- ★ 适用于各种不同材质、规格的包装材
Suitable for various packaging materials of different materials and specifications
- ★ 人性化的设计，操作简单方便
User-friendly design, simple and convenient operation
- ★ 维护简单，降低企业的维护成本
Simple maintenance, reducing the maintenance cost for enterprises

HT-800 ▶

外置式真空封口机

EXTERNAL VACUUM SEALER

本机主要用于大型，重型产品的吨袋真空包装。本机为外抽旋臂式吨袋真空包装机。有一次包装多次热合功能，相邻两次热合的间隔时间可调，用于]热合特别厚实的包装袋，如：纸塑袋（外层牛皮纸，内层铝箔袋）。旋臂高矮可以升降，可以包装高度不同的产品。本机由一人或者两个人协同操作。

This machine is mainly used for vacuum packaging of ton bags for large and heavy products. This machine is an external suction rotary arm type ton bag vacuum packaging machine. There is a packaging with multiple heat sealing functions, and the interval between adjacent heat sealing can be adjusted. It is used for packaging bags with particularly thick heat sealing, such as paper plastic bags (outer layer of kraft paper, inner layer of aluminum foil bags). The height of the rotary arm can be raised or lowered, and it can package products of different heights. This machine is operated by one or two people working together.



适用范围

SCOPE OF APPLICATION

- ☑ 超细粉体袋装后真空封口
Vacuum sealing after packaging ultra-fine powder bags
- ☑ 铝塑膜袋
Aluminum plastic film bag
- ☑ 复合袋
Composite bag
- ☑ PE袋
PE bag
- ☑ 易起尘物料
Dust prone materials
- ☑ 高价值物料
High value materials



产品亮点

PRODUCT HIGHLIGHTS

- ☑ PLC系统
PLC system
- ☑ 双长气嘴
Double long air nozzle
- ☑ 上下双封口支架
Upper and lower double sealing bracket
- ☑ 升降传动系统
Lift drive system
- ☑ 紧急停止开关
Emergency stop switch
- ☑ 不锈钢机身
Stainless steel body

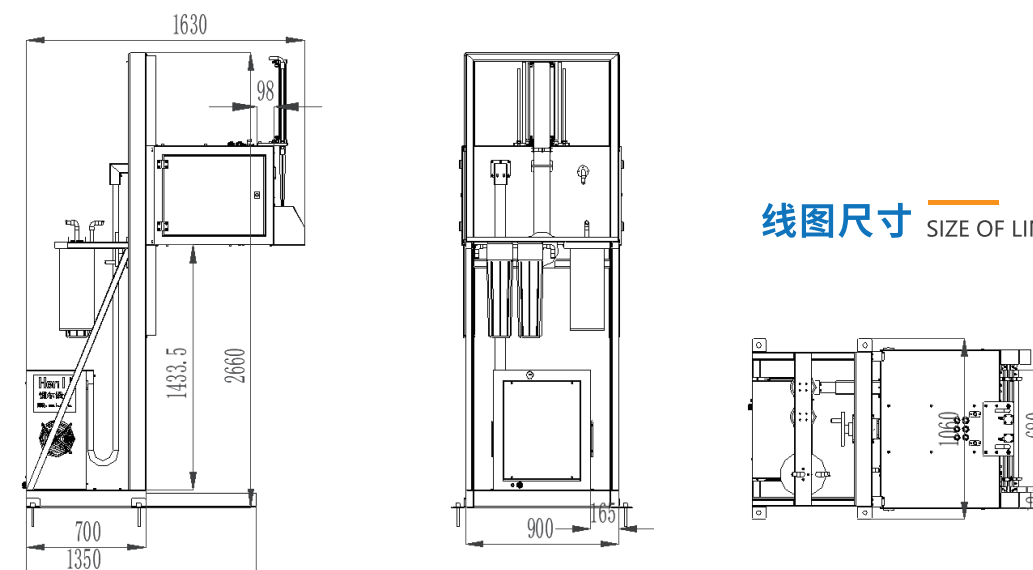


产品特性

PRODUCT CHARACTERISTICS

- ★ 自动抽真空
Automatic vacuum pumping
- ★ 热封密封袋口
Sealing the bag mouth with heat
- ★ 夹袋机构高度可调
The height of the bag clamping mechanism is adjustable
- ★ 杜绝溢粉
Prevent powder overflow
- ★ 提高物料堆积密度
Increase material bulk density

线图尺寸 SIZE OF LINE CHART



>> 05

大袋/吨袋 物流成套输送包装设备

HF-系列

LARGE BAG、FIBC JUMBO BAG COMPLETE PACKAGING AND CONVEYING EQUIPMENT

HF-SERIES

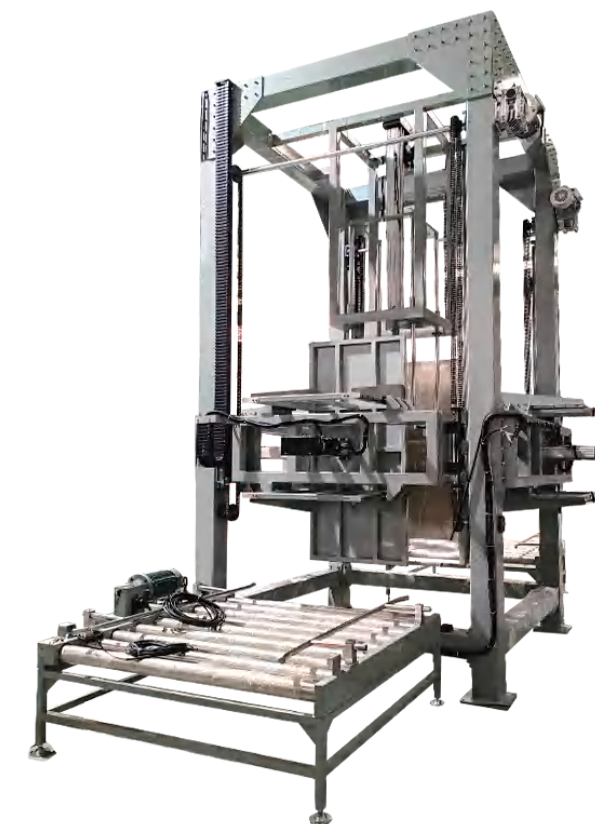
吨袋专用五面整形机 HFX-1000D FIVE-SIDE SHAPING MACHINE FOR FIBC JUMBO BAG

有效解决整形难、占存储空间的问题

Effectively solve the problem of difficult shaping and occupying storage space

对于超细粉包装后进行五个方向上的立体整形,即机架顶面固定有整形机构、及机架的前后、左右相同位置处分别固定有对称且与顶面整形结构相同的整形机构,整形机构支撑架连接气缸并通过调压阀控制整形板,即使吨级以上的货物也能很轻松被推动进行整形,使得物料五面板正更加平整不会出现倾斜的情况,解除了货物在运输过程中的安全隐患,也方便后续缠膜等一系列过程的操作。

For the three-dimensional shaping of ultrafine powder packaging in five directions, namely, the top surface of the frame is fixed with a shaping mechanism, and symmetrical and identical shaping mechanisms are fixed at the same positions of the front, back, left and right of the frame. The supporting frame of the shaping mechanism is connected to a cylinder and controlled by a pressure regulating valve to form the shaping plate. Even goods weighing over tons can be easily pushed for shaping, This makes the five panels of the material more even without tilting, eliminating safety hazards during transportation and facilitating subsequent operations such as film wrapping.



产品亮点

PRODUCT HIGHLIGHTS

物料压实堆积密度
Material compaction density

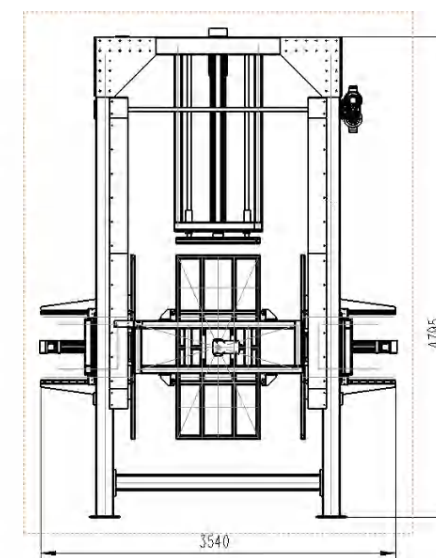
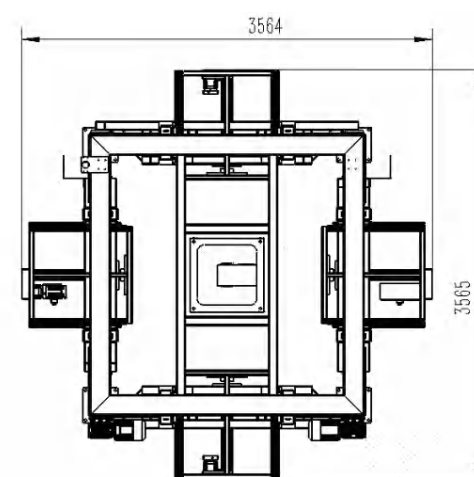
物料方形平整不倾斜,方便搬运减少仓储空间
The material square is flat and not inclined, which is convenient for handling and reduces storage space

一键完成所有工序
Complete all processes with one click

结构合理运行稳定
Reasonable structure and stable operation

调节可灵活
Flexible adjustment

线图尺寸 SIZE OF LINE CHART



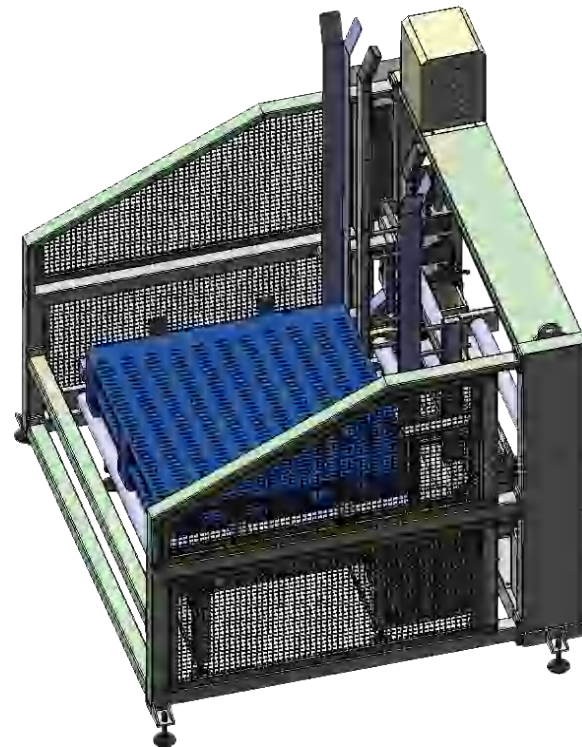
供栈板系统 HFZ-1200 AUTOMATIC PALLET DISPENSER

解决招人难，人工操作，生产效率低问题

Solve the problem of difficult recruitment, manual operation and low production efficiency

供栈板系统也叫空托盘自动供应系统，包括由托盘仓、空托盘输送机、待码输送机、满垛输送机、无动力辊筒输送机及控制系统组成，与码垛机配套使用，是自动包装码垛生产线的后端的重要辅助设备。

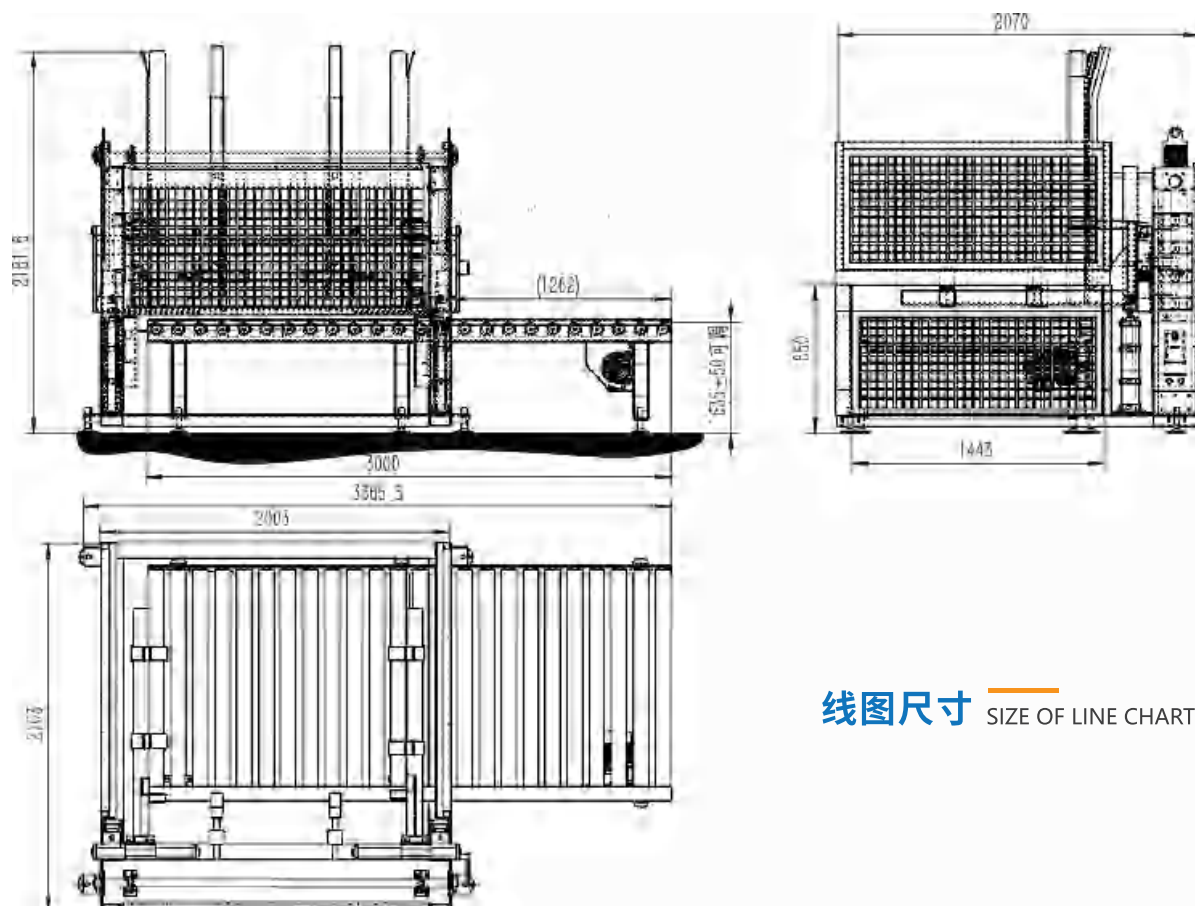
Palletizing system is also called empty palletizing automatic supply system, including pallet bin, empty pallet conveyor, conveyor to be loaded, full conveyor, no power roller conveyor and control system, and is used with palletizing machine, is an important auxiliary equipment at the back end of automatic packaging palletizing production line.



产品亮点

PRODUCT HIGHLIGHTS

- 空托盘自动供应系统
Empty pallet automatic supply system
- 节省人工成本
Save labor costs
- 生产提效
Productivity improvement
- 方便码垛
Easy palletizing



线图尺寸 SIZE OF LINE CHART

在线自动复称系统 HFFZ-1000 ONLINE REWEIGHING SYSTEM

解决重量精度差，人工复秤效率低

To solve the weight accuracy is poor, manual reweighing efficiency is low

代替人工复检及人工加减料环节，通过自动化设备完成，提升称重精度，减少材料损耗、提升工作效率，减少人工成本及操作失误率的自动化包装系统。

Instead of manual reinspection and manual addition and reduction of materials, the automatic packaging system is completed by automatic equipment, which improves the weighing accuracy, reduces the material loss, improves the work efficiency, and reduces the labor cost and the operation error rate.



产品亮点

PRODUCT HIGHLIGHTS

- 无需人工干预
Without human intervention
- 减少材料损耗
Reduce material loss
- 提升称重精度
Improve weighing accuracy
- 提升工作效率
Improve work efficiency
- 代替人工复检及人工加减料
Instead of manual reinspection and manual addition and subtraction of materials

全自动吨袋叠包机 HFDZ-1000 AUTOMATIC FIBC JUMBO BAG STACKER MACHINE

解决叠包效率低，人工成本高、运输存储空间

Solve the problem of low efficiency, high labor cost and transportation storage space

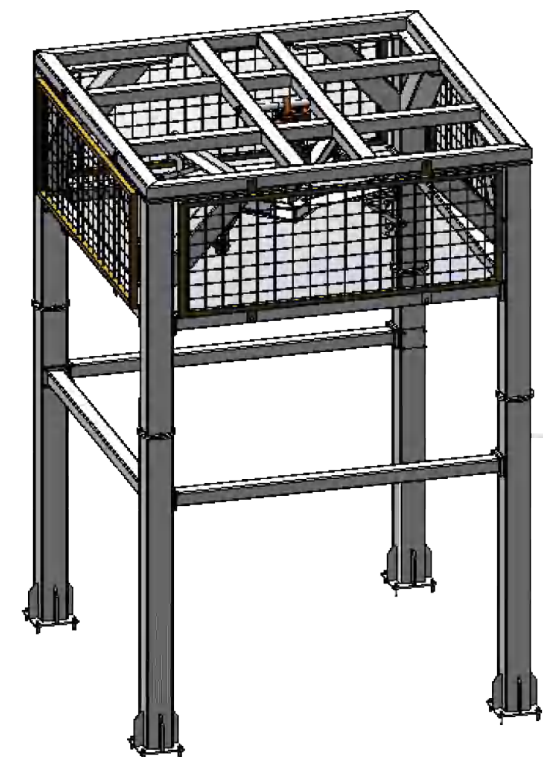
叠包机是一种用于自动叠层包装袋的机械设备，它能够高效、准确地完成叠包作业。

A stacking machine is a mechanical device used for automatically stacking layered packaging bags, capable of efficiently and accurately performing the stacking operation.

产品亮点

PRODUCT HIGHLIGHTS

- 提升包装效率
Improve packaging efficiency
- 节省人工成本
Save labor costs
- 精确的包装和堆放
Precise packing and stacking
- 减少运输成本和仓储费用
Reduce transportation and storage costs



➤ 输送滚筒线 HFTG-1600

CONVEYOR DRUM LINE

解决叠包效率低，人工成本高、运输存储空间

Low efficiency, high labor cost, Transportation storage space

输送滚筒线适用于各类箱、包、托盘等件货的输送，散料、小件物品或不规则的物品需放在托盘上或周转箱内输送。能够输送单件重量很大的物料，或承受较大的冲击载荷，滚筒线之间易于衔接过滤，可用多条滚筒线及其它输送机或专机组成复杂的物流输送系统。

Conveyor drum line is suitable for all kinds of boxes, bags, pallets and other goods transport, bulk materials, small items or irregular items need to be placed on the pallet or turnover box transport. Can transport a single piece of large weight material, or bear a large impact load, easy to connect between the drum lines filter, can be used multiple drum lines and other conveyors or special aircraft to form a complex logistics conveying system.

💡 产品亮点

PRODUCT HIGHLIGHTS

- 📘 承重面积较大
Large bearing area
- 📘 能够承受较大冲击负荷
Able to withstand large impact loads
- 📘 降低输送成本
Reduce delivery costs
- 📘 滚筒线间易于衔接
Easy connection between drum lines
- 📘 可搭配组建物流输送系统
Can be combined with the formation of logistics conveying system



◀ 输送链板线 HFTB-1600

CONVEYOR CHAIN PLATE LINE

解决人工运输成本高，效率低的问题

Solve the problem of high cost and low efficiency of manual transportation

输送链条能够有效快速将物料运送至目的地，保证物料的稳定输送，减少物料的过度损耗、损坏及污染，它能减少人工搬运的劳动强度，提高工作效率，有助于实现节能减排的目标和降低人工成本提高生产效率。

The conveying chain can effectively and quickly transport the material to the destination, ensure the stable transmission of the material, reduce the excessive loss, damage and pollution of the material, it can reduce the labor intensity of manual handling, improve work efficiency, help achieve the goal of energy saving and emission reduction and reduce labor costs to improve production efficiency.

💡 产品亮点

PRODUCT HIGHLIGHTS

- 📘 降低人工运输成本
Reduce manual transportation costs
- 📘 保证物料稳定输送
Ensure stable material delivery
- 📘 提升工作效率
Improve work efficiency
- 📘 减少物料损耗、损坏
Reduce material loss and damage



🏠 样板工程

TYPICAL PROJECT



自动配料系统系列

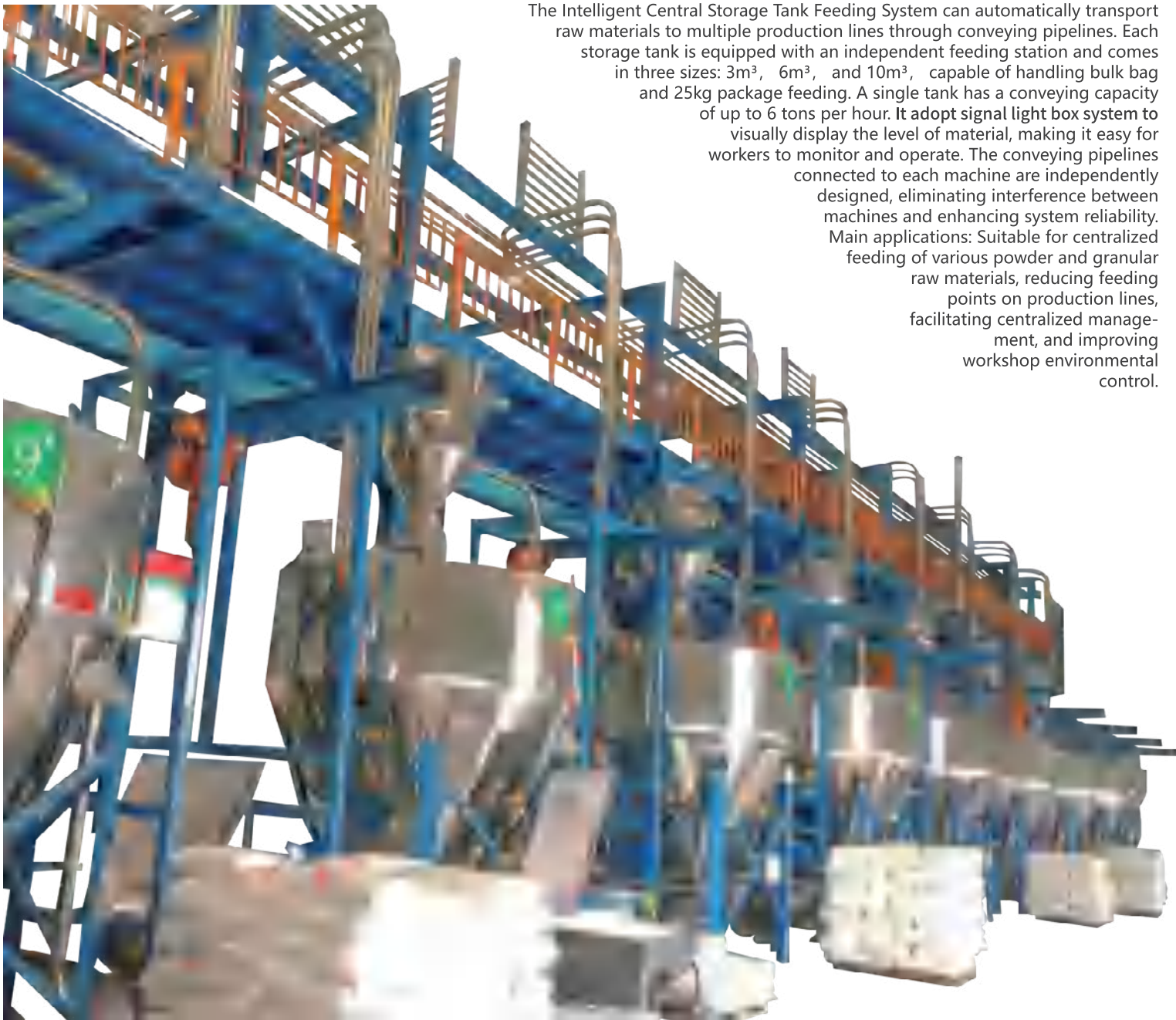
AUTOMATIC INGREDIENTS FEEDING SYSTEM

智能中央储罐供料系统

Intelligent Central Storage Tank Feeding System

智能中央储罐供料系统可通过输送管道，实现多条生产线自动输送原材料。每个储罐配备独立投料站，储罐容积有 3m³、6m³、10m³ 三种规格，可实现吨袋及 25kg 包装投料。单一储罐输送能力达到 6 吨 / 小时，采用信号灯箱系统，直观显示料位高低，便于工人观察操作。连接至各个机台的输送管道为独立设计，机台之间无干扰，提高了系统可靠性。主要应用：适用于各种粉体及颗粒原材料的集中投料，减少生产线投料点，便于集中管控及车间环境治理。

The Intelligent Central Storage Tank Feeding System can automatically transport raw materials to multiple production lines through conveying pipelines. Each storage tank is equipped with an independent feeding station and comes in three sizes: 3m³, 6m³, and 10m³, capable of handling bulk bag and 25kg package feeding. A single tank has a conveying capacity of up to 6 tons per hour. It adopts signal light box system to visually display the level of material, making it easy for workers to monitor and operate. The conveying pipelines connected to each machine are independently designed, eliminating interference between machines and enhancing system reliability. Main applications: Suitable for centralized feeding of various powder and granular raw materials, reducing feeding points on production lines, facilitating centralized management, and improving workshop environmental control.



多组分自动配料混合机

Multi-Component Automatic Batching Mixer

该设备通过管道与中央储罐连接，可实现多种颗粒或粉体物料的自动计量混合。该设备设计容积：200/400L，桨叶转速 70r/min，采用负压管路输送计量，精度达到 $\pm 300g$ 。主要应用于多种物料的全自动批次计量混合，实现自动分称、混合、排料。该设备可有效避免人工投料错误、提高分料精度、减少劳动强度、提高生产效率，提升产品品质。通过 ERP 系统将生产订单配方自动下传至自动混配料控制系统。采用负压管道输送技术，将物料输送至生产线自动配混料设备，实现生产过程自动配料、混料。

This equipment is connected to the central storage tank through pipelines and can achieve automatic metering and mixing of various granular or powder materials. The equipment has a designed volume of 200/400L, with an impeller speed of 70r/min. It uses negative pressure pipeline conveying for metering, with an accuracy of $\pm 300g$. It is mainly used for fully automatic batch metering and mixing of various materials, achieving automatic weighing, mixing, and discharging. This equipment can effectively prevent manual feeding errors, improve the accuracy of material distribution, reduce labor intensity, increase production efficiency, and enhance product quality. Production orders and formulations are automatically sent from the ERP system to the automatic mixing and batching control system. Using negative pressure pipeline conveying technology, materials are transported to the production line's automatic mixing and batching equipment, realizing automatic batching and mixing in the production process.



多组分自动配料系统

Multi-Component Automatic Batching System

该系统可实现多种颗粒或粉体物料的自动配料计量，组分从 4 种到 40 种可扩展（根据客户实际需求），分称范围从 300g~200Kg。分称速度达到 12 批次 / 小时，单一物料分称精度：300g~2Kg ($\pm 10g$) / 2Kg~5Kg ($\pm 15g$) / 5Kg~200Kg ($\pm 20g$)。系统具有分料过程的数据记录功能，可有效的实现过程追溯管理，代替人工实现多种物料的自动分称。系统设计上预留与上游 ERP 系统的对接功能，可实现助剂配方的自动传递和自动下达，同时具有与 MES 系统接口，可实现助剂信息与车间信息的互联互通。

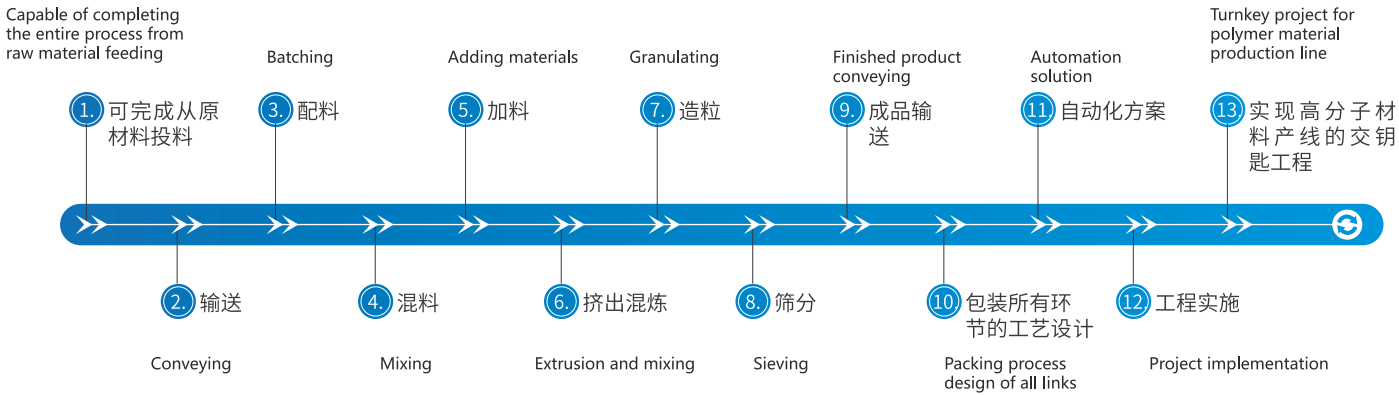
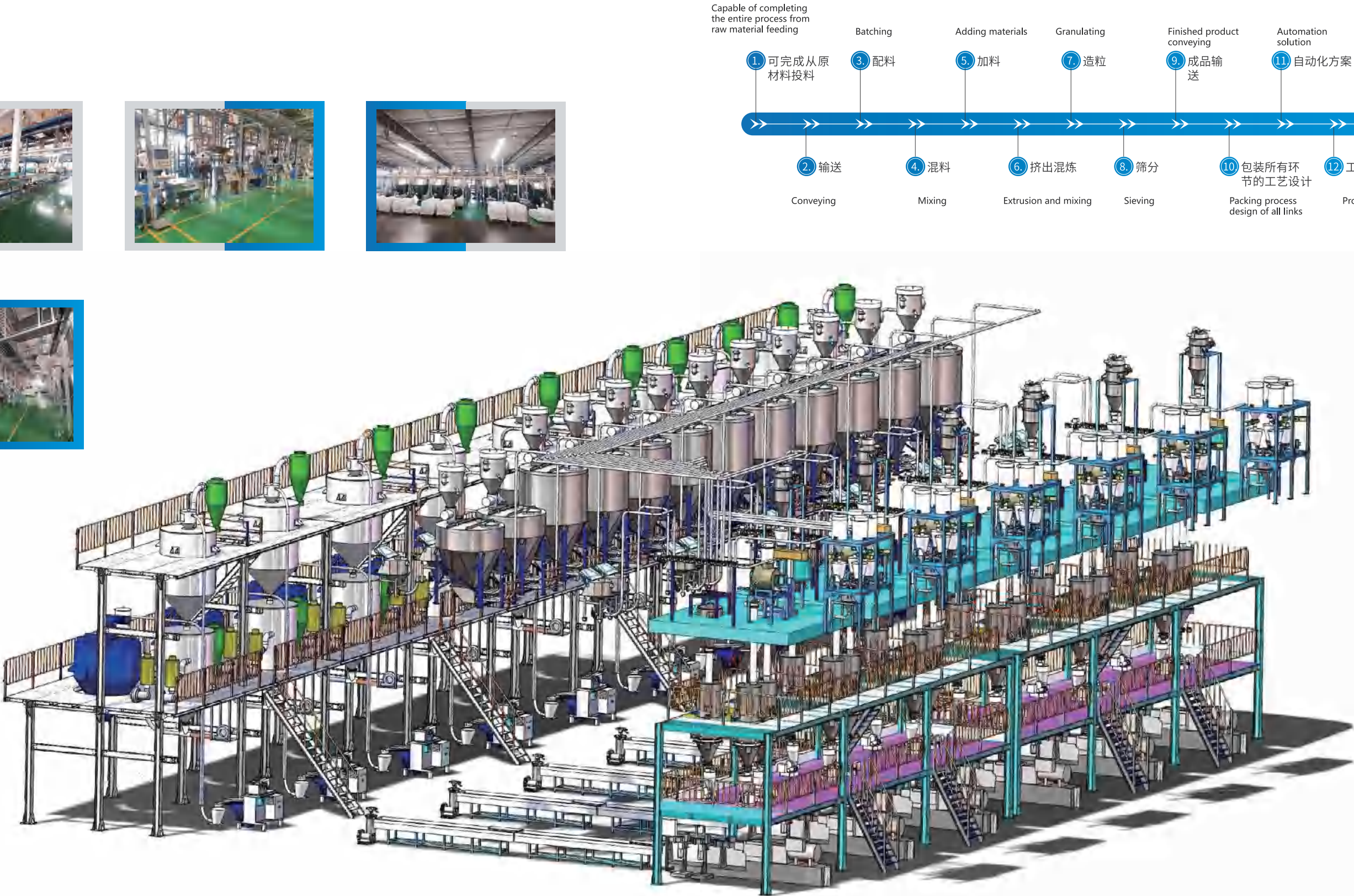
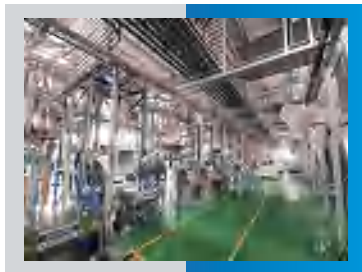
This system is capable of automatic batching and metering for a variety of granular or powder materials, with the ability to handle from 4 to 40 different components (scalable according to actual customer needs). The weighing range extends from 300g to 200Kg. The weighing speed reaches 12 batches per hour, with single material weighing accuracy as follows: 300g~2Kg ($\pm 10g$), 2Kg~5Kg ($\pm 15g$), 5Kg~200Kg ($\pm 20g$). The system features data recording during the distribution process, enabling effective process traceability management and replacing manual labor with automatic weighing for multiple materials. The system is designed with reserved interfaces for integrating with upstream ERP systems, allowing for the automatic transfer and issuance of additive formulations, as well as having the capability to interface with MES systems to facilitate the interconnectivity of additive information with workshop data.



整线设备

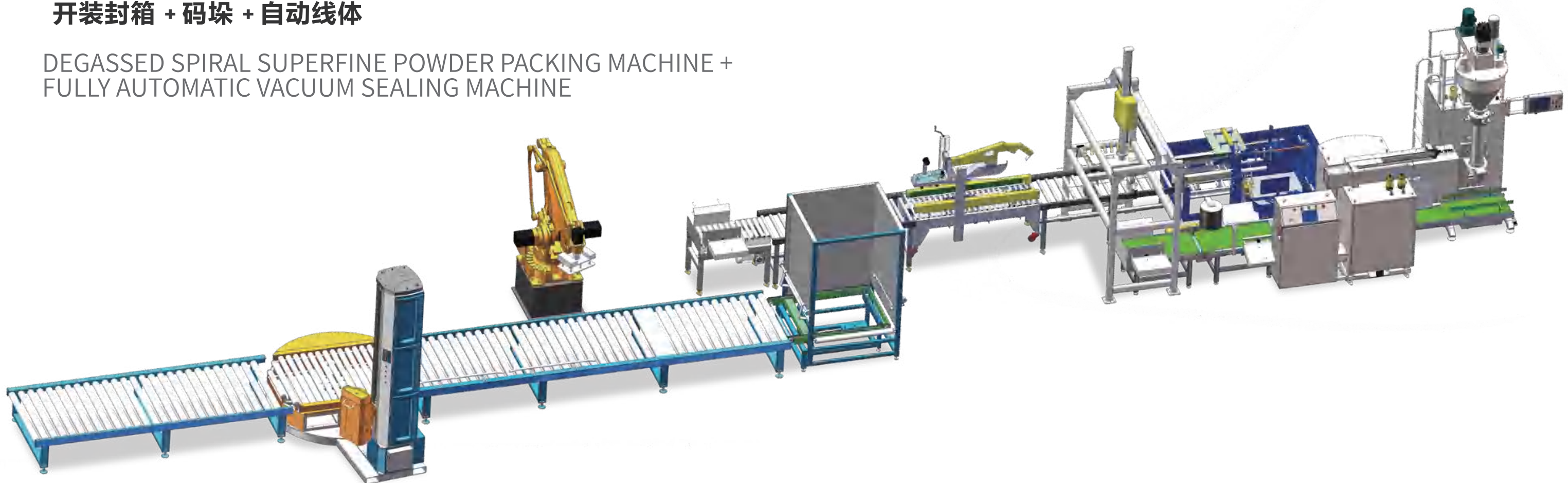
ENTIRE LINE EQUIPMENT

高分子材料生产线 POLYMER MATERIAL PRODUCTION LINE

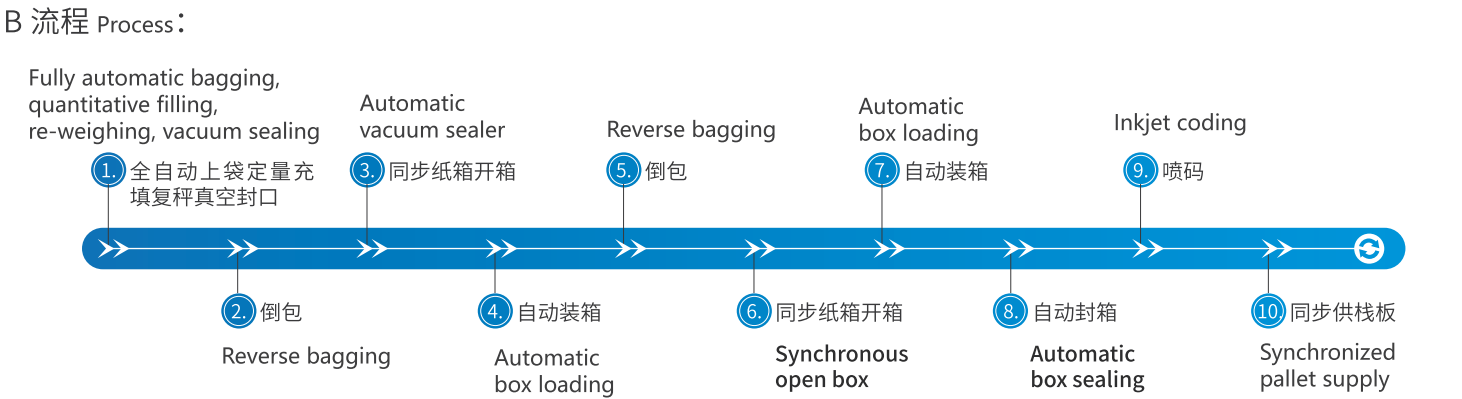
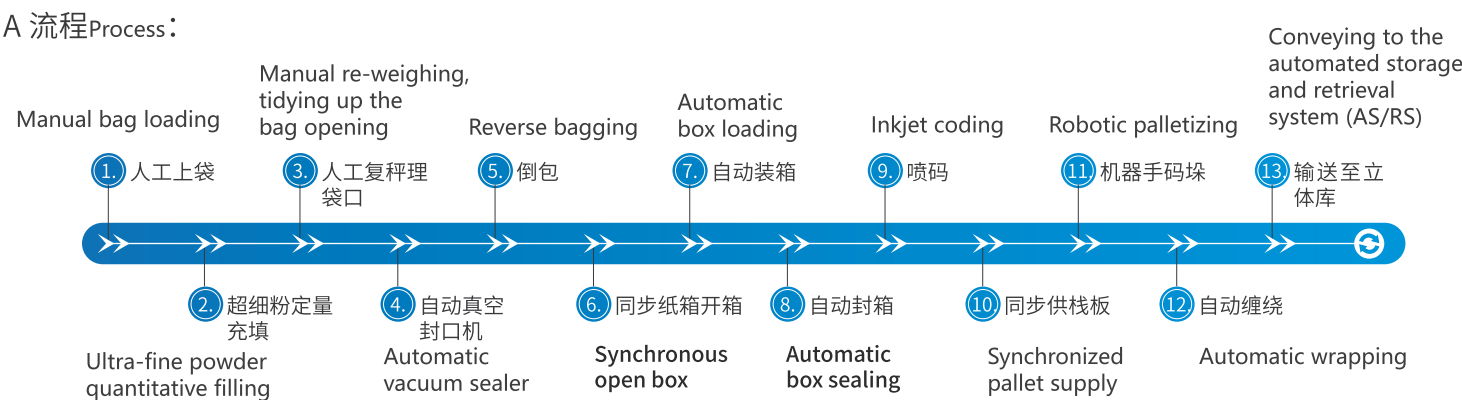
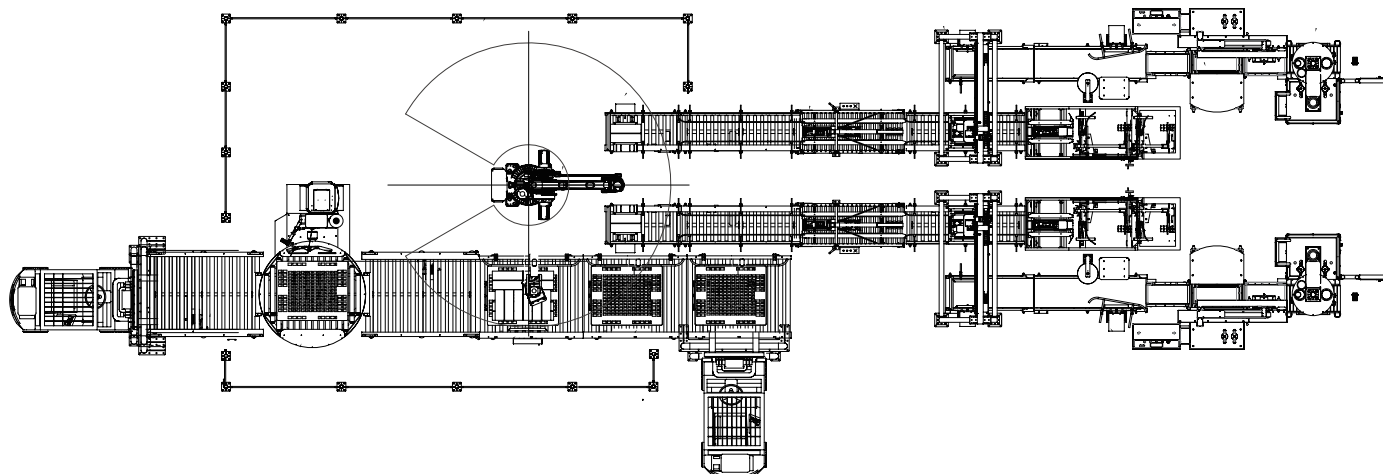


超细粉脱气螺旋底充式包装机 + 全自动箱式真空封口机
开装封箱 + 码垛 + 自动线体

DEGASSED SPIRAL SUPERFINE POWDER PACKING MACHINE +
FULLY AUTOMATIC VACUUM SEALING MACHINE



线图尺寸
SIZE OF
LINE CHART



部分客户

HONORARY CUSTOMERS

合作共赢

Win-win cooperation

团队介绍 Team introduction

恒尔为客户提供完善的售后保障方案，所有售后的客服都会经历360°全方位培训，实现双标式可持证上岗，以专业素养与服务意识为核心，以亲情式的姿态为每一位客户提供对产品的维修、保养、技术培训和技术支持等方面进行全方位的服务。

HENLL to provide customers with a perfect after-sales support program, all after-sales customer service will experience 360° comprehensive training, to achieve double standard can be certified to work, professional quality and service awareness as the core, with a family attitude to provide every customer with product repair, maintenance, technical training and technical support and other aspects of a full range of services.

恒尔团队始终坚持“时效性”为第一价值观
HENLL team always adhere to "timeliness" as the first value

7x24小时 HOUR 13533334006
紧急事务处理热线
Emergency hotline

省内 24 小时内到达

省外 48 小时内到达

邮件咨询：邮件咨询 24 小时内响应，48 小时内回复。

邮箱E-MAIL: jt@henll.cn

Email consultation: Email consultation within 24 hours response, reply within 48 hours.

售后服务 | 竭诚为您服务

AFTER-SALES SERVICE: We will serve you wholeheartedly

恒尔秉承“客户至上”的服务宗旨

HENLL adhering to the "customer first" service purpose

为客户提供 24 小时全天候服务

To provide customers with 24-hour service

保证在最快的时间内赶至客户现场

Ensure to get to the customer site in the fastest time

以完善、周到的售后服务，彻底解决客户的后顾之忧

With perfect and thoughtful after-sales service, we can completely solve customers' worries

HENLL 恒尔
— ELECTRONICS —

专注于做包装线，物流线，装卸线领域的工业智能化综合服务平台

Focus on the packaging line, logistics line, loading and unloading
line field of industrial intelligent integrated service platform

YOUR DEDICATED PACKAGING SOLUTION EXPERT
您的专属整体包装方案解决专家

诚邀合作加盟 为您提供一站式解决方案

WE SINCERELY INVITE YOU TO JOIN US
TO PROVIDE YOU ONE-STOP SOLUTION

