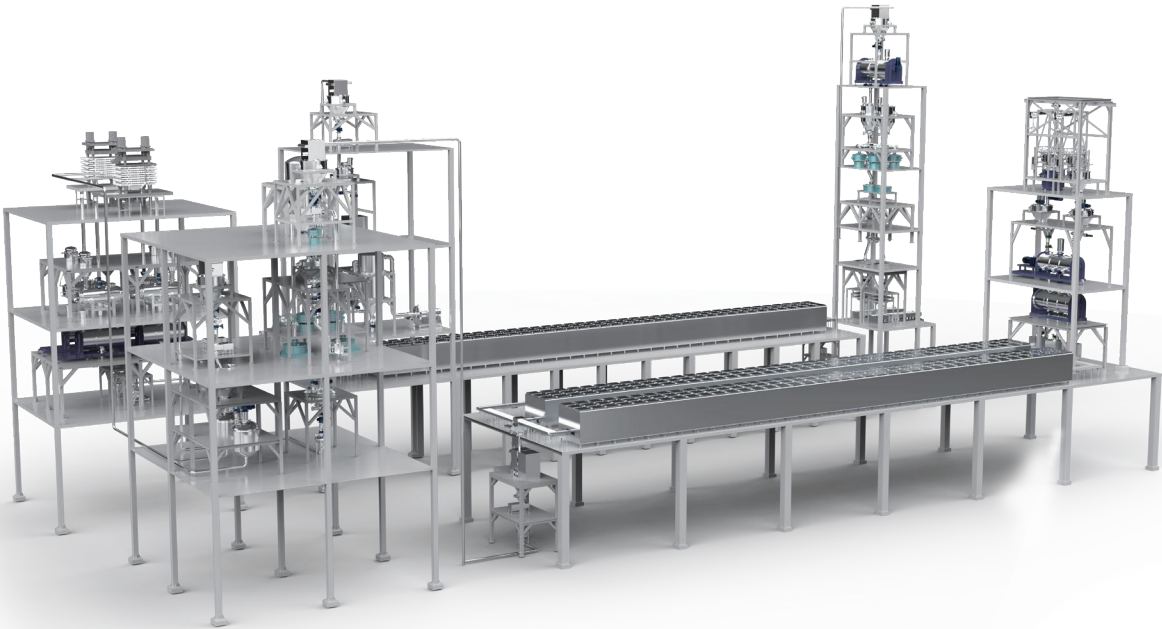


LINGOOD
灵 鸽 科 技

一站式固体处理解决方案
ONE-STOP SOLIDS HANDLING SOLUTIONS



物料精准处理系统专家
EXPERT IN PRECISE MATERIAL HANDLING SYSTEMS

电话：+86 0510-83832668
地址：江苏省无锡市新吴区珠江路95-2号
网址：<https://www.lingood.com.cn/>
邮箱：info@lingood.cn

TEL. +86 0510-83832668
ADD. No.95-2, Zhujiang Rd, Xinwu, Wuxi, Jiangsu
WEB. <https://www.lingoodtech.com/>
EMAIL. info@lingood.cn



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Lingood

灵鸽科技

- 2012年

2023年
- 灵鸽公司成立

上市
- 股票代码 833284
- 2012年

2023年
- Established In

Listed In
- Stock Code 833284

灵鸽科技拥有锂电材料产线的资深专家顾问,在锂电正负极材料产线设计与应用方面有着丰富经验。

Lingood Technology has senior expert consultants for lithium battery material production lines and has rich experience in the design and application of lithium battery positive and negative electrode material production lines.

同时灵鸽科技又与国内外设备供应商紧密合作,优势互补,目前已具备锂电材料产线项目整体设计、制造、安装、调试的能力,在锂电正极材料产线总包方面已经有丰富的经验。

At the same time, Lingood Technology has worked closely with domestic and foreign equipment suppliers to complement each other's strengths. It currently has the ability to carry out overall design, manufacturing, installation and commissioning of lithium battery material production line projects, and has rich experience in the general contracting of lithium battery positive electrode material production lines.



Product Introduction

产品介绍

核心产品一：自动拆包和投料设备

Core Product 1: Automatic unpacking and feeding equipment



Semi-automatic unpacking machine 半自动拆包机

技术优势：
无人化，无粉尘外溢
占地面积小
智能化控制

Technical advantages:
No human intervention, no dust emitted
Small footprint;
Intelligent control



技术参数 Technical parameters

拆袋能力 Bag unpacking capability	5~10 袋/H 5~10 bags/H
拆袋规格 Bag unpacking specifications	吨袋≤1000×1000 bulk bag ≤1000×1000
提升能力 Improve your capabilities	0~2 T
设备功率 Equipment power	≤13 kw
工作电压 Operating voltage	AC380 V/50 Hz
气源压力 Air source pressure	≤0.7 Mpa
残余量 Residual amount	≤200g

核心产品二：精密计量配料及全自动包装设备

Core Product 2:
Precision metering and fully automatic packaging equipment



微量称 Micro Scale



圆盘喂料机 Disc feeder



单螺杆失重称
Single screw loss-in-weight scale



三点式失重称
Three-point loss-in-weight scale

核心：精准计量喂料技术

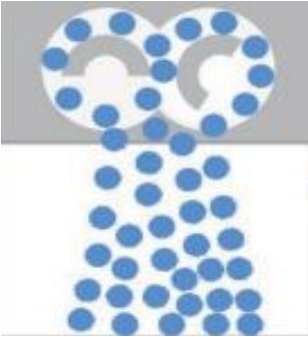
Core: Precision metering feeding technology

机械精度由螺杆每转理论容积及填充率决定。失重式计量的精度主要通过螺纹的选择和填充率的调整来进行控制。喂料螺杆设计、选用是失重式喂料秤的专业性的体现环节。

The mechanical accuracy is determined by the theoretical volume per screw revolution and the filling rate. The accuracy of loss-in-weight metering is mainly controlled by the selection of threads and the adjustment of the filling rate. The design and selection of the feeding screw are the embodiment of the professionalism of the loss-in-weight feeding scale.



螺杆形式	螺杆理论容积（cm³）	机械精度
自洁螺杆 TC35.20.56	24	松装密度*填充率*理论容积
自洁螺杆 TC33.22.24	11	
叶片螺杆 DA32.16.56	32	
叶片螺杆 DA32.16.24	13	

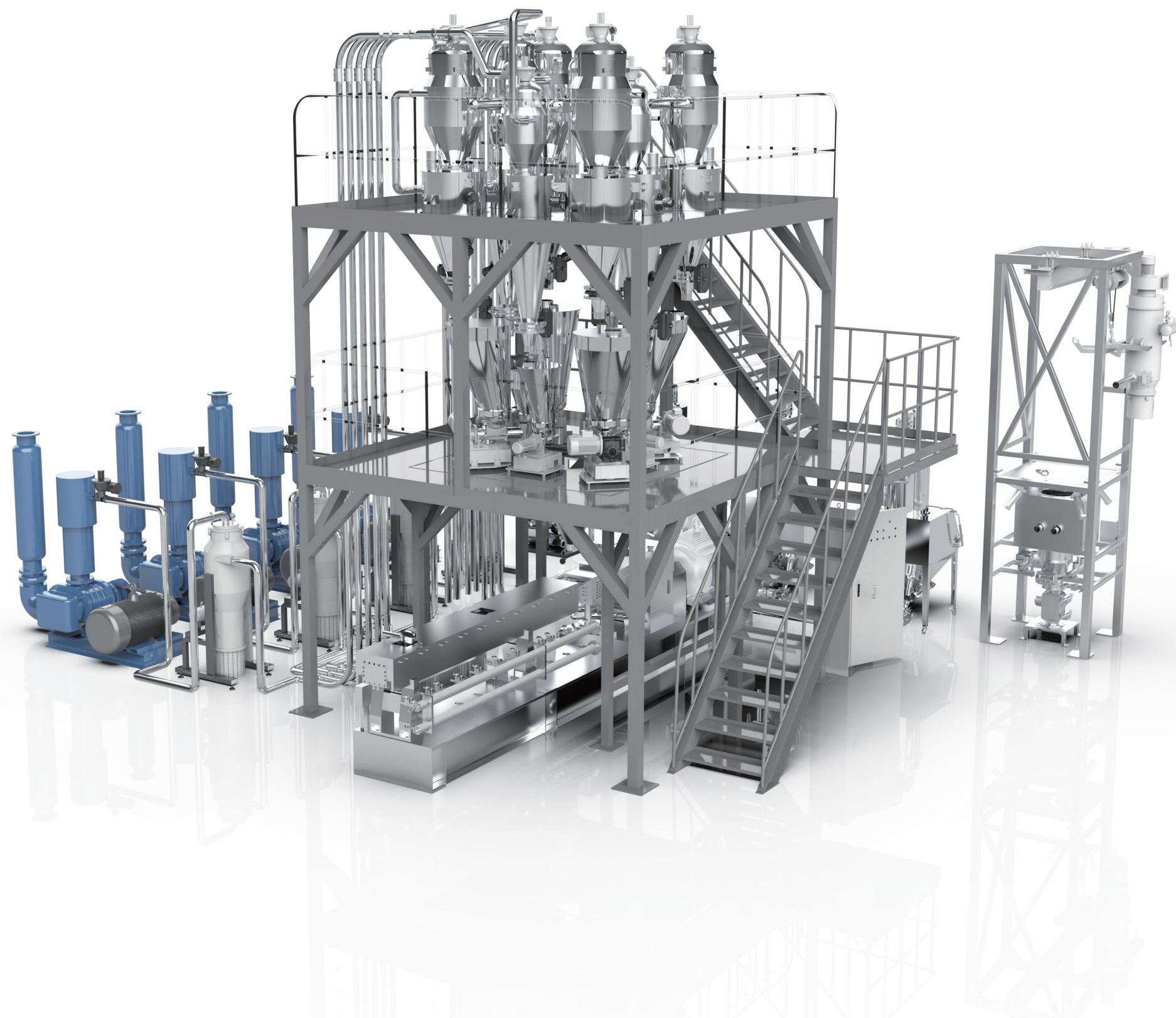


Automatic Metering, Mixing And Conveying System

自动计量配混输送系统

自动计量配混输送系统为行业客户提供包括物料输送系统、配料系统在内的自动化解决方案。

The automatic metering, mixing and conveying system provides customers with automation solutions including material conveying systems and batching systems.

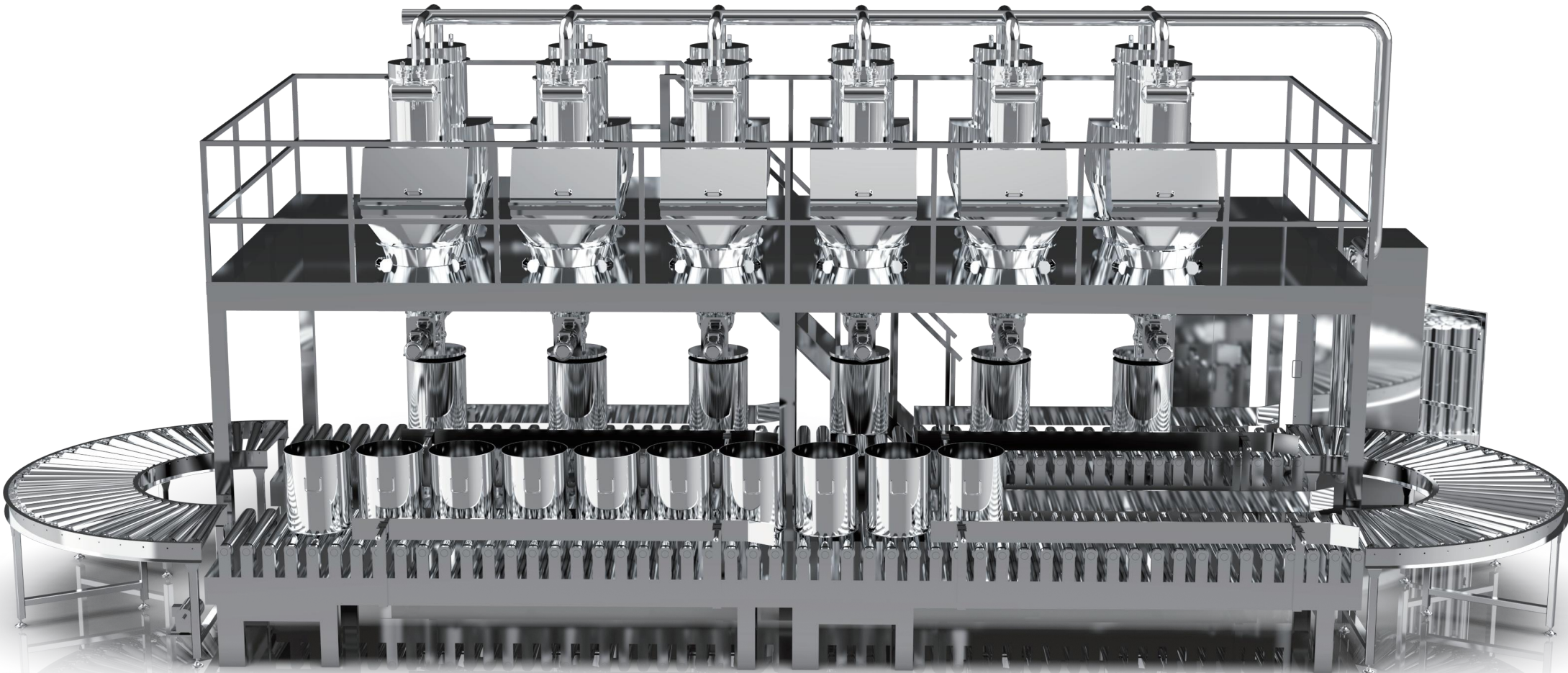


Intelligent micro batch dosing system

智能微量配料系统

智能微量配料系统可同时称量和配比几十种小比例原料, 能够提供多种小料同时配料的服务方案, 满足复杂配方的计量配混需求。

The intelligent micro batch dosing system can weigh and proportion dozens of small-proportion raw materials at the same time, and can provide a service solution for the simultaneous dosing of multiple small ingredients to meet the metering and mixing needs of complex formulas.



Fully automatic bulk bag Packaging machine

全自动吨袋包装机



技术优势

高度无尘：负压式给料进袋结构使物料包装密实无空气，抽真空热合封装保证封袋过程无粉尘溢出；

计量精准：双路快慢式给料结构及高精度静态复称系统，提高包装效率同时保证计量准确性；

适用范围广：各种粉料或粒料吨袋形式的自动计重包装。

Technical advantages

Highly dust-free: The negative pressure feeding and bagging structure makes the material packaging dense and air-free, and the vacuum heat-sealing packaging ensures that there is no dust emitted during the bag sealing process;

Precise metering: dual-channel fast and slow feeding structure and high-precision static re-weighing system improve packaging efficiency while ensuring metering accuracy.

Wide range of applications: automatic weighing and packaging of various powder or granular bulk bags.

技术参数 Technical parameters

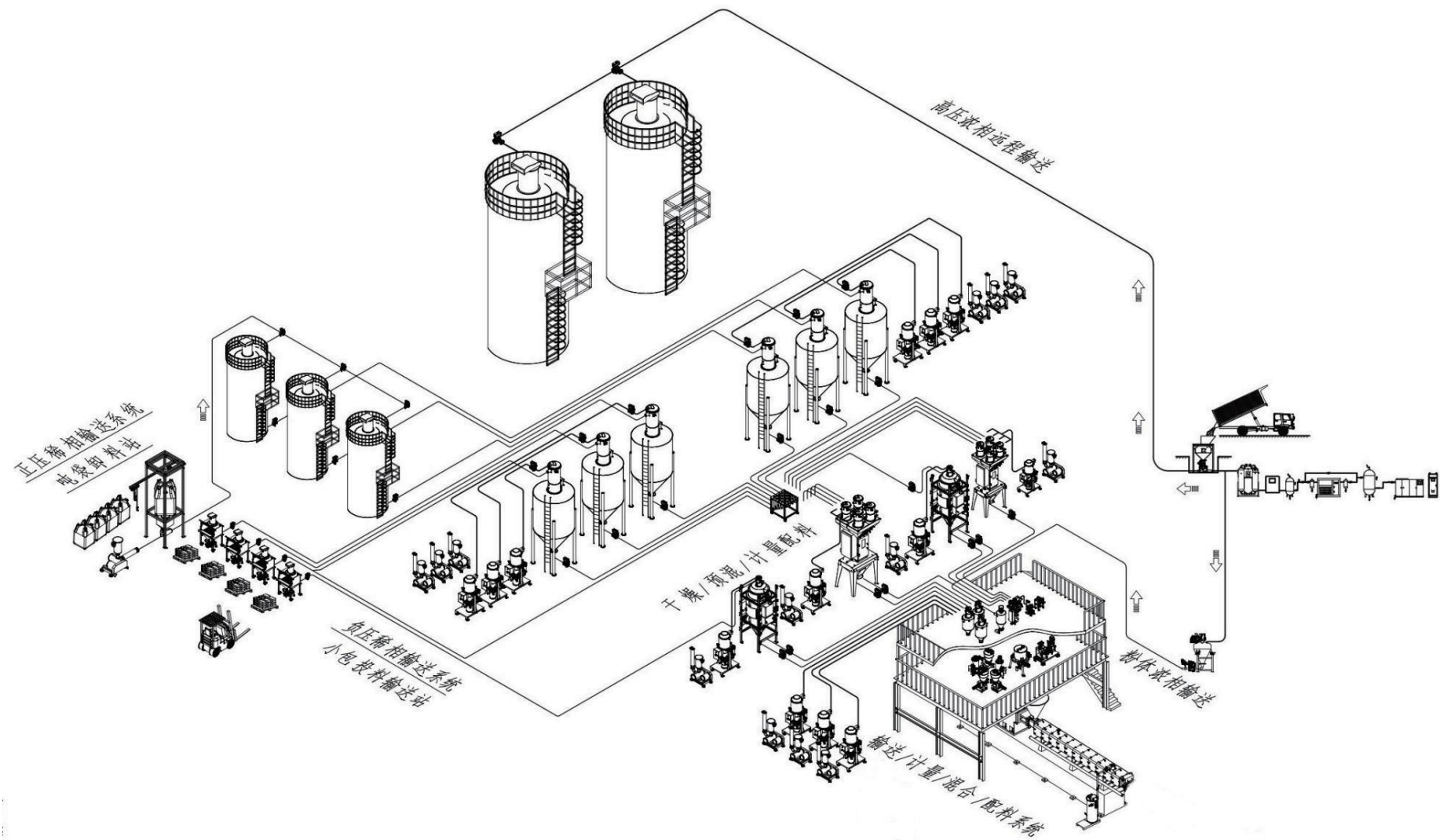
项目	Items	参数/规格 Parameters/Specifications
产品型号	Product Model	LQDB110×100
外观尺寸（长×宽×高）	Dimensions (length x width x height)	9500mm×8000mm×7100mm
设备重量	Equipment weight	13 t
产能	Capacity	5-6 袋/h 5-6 bags/h
包装精度	Packaging accuracy	≤±0.1%
功率	power	25 KW
电源	power supply	AC 380 V
材质	Material	Q235或304 Q235 or 304
适用物料温度	Applicable material temperature	-10℃ ~ +40℃
气源压力	Air source pressure	≥0.8MPa
噪音等级	Noise Level	< 70dB

核心产品三：物料输送系统

Core product 3: material conveying system

为各行业有气力输送要求的客户提供各种正压、负压输送方案。

Provide various pressure and vacuum conveying solutions for customers in various industries who have pneumatic conveying requirements.



输送设备

Conveying equipment



真空上料机
Vacuum loader



连续式真空上料机
Continuous vacuum loader



仓顶过滤器
Bin vent filter



正压发送仓
Pressure vassal

核心产品四：正负极材料产线集成系统

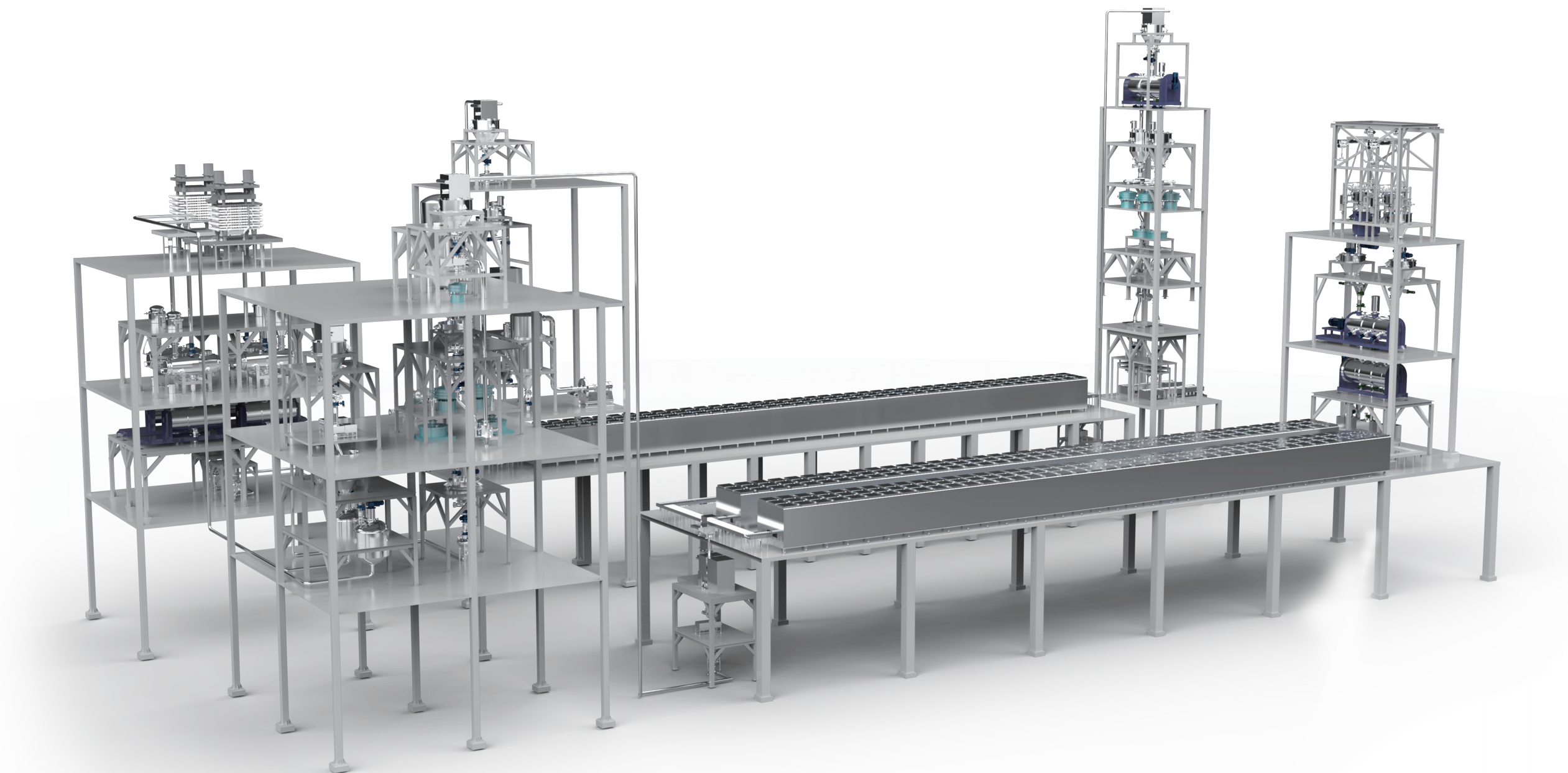
Core product 4:
Positive and negative electrode material production line integrated system

锂电池正负极材料自动化生产线

Lithium battery positive and negative electrode material automated production line.

公司锂电池正负极材料生产线, 主要服务于锂电正负极材料制造商, 根据客户生产线特点提供项目整体设计、制造、安装、调试等定制化整体解决方案。

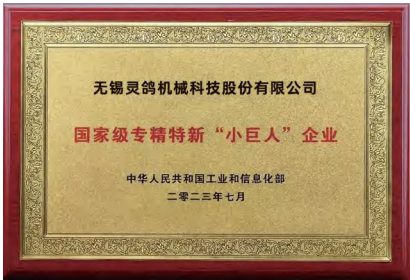
The company's lithium battery positive and negative electrode material production lines mainly serve lithium battery positive and negative electrode material manufacturers, and provide customized overall solutions such as overall project design, manufacturing, installation, and commissioning based on the characteristics of the customer's production line.



Customer on-site examples
客户现场案例



Honor Qualification
荣誉资质



企业优势

北交所上市公司, 国家专精特新“小巨人”企业

锂电领域知名的深圳大族激光是公司的第二大股东

多年项目团队管理, 现场经验丰富

拥有四个生产基地, 自制件多, 质量管控严格

拥有计量和输送物料实验室

拥有 40 人左右的研发团队, 核心成员学历涵盖“本硕博”

Enterprise advantages

Beijing Stock Exchange listed company, national specialized "little giant" enterprise

Shenzhen Han's Laser, a well-known company in the field of lithium batteries, is the company's second largest shareholder

Many years of project team management, rich field experience

Owns four production bases, many self-made parts, strict quality control

Owns measurement and material conveying laboratory

Owns a research and development team of about 40 people, and the core members have a bachelor's degree, master's degree, and doctoral degree

技术优势

拥有四大核心技术：自动拆包、精准计量、粉料输送、自动包装
喂料称采用灵鸽开发自制控制器，运行速度快、稳定性高；拆卸方便，水平搅拌加上可选配的垂直搅拌设计，具有高防架桥性能
在锂电正极材料产线 10 余年经验，包括产线运行指导培训
可做产线 EPC 工程设计及总包，综合产品工艺、节能降本
设计经验丰富，可参与选型及技术协议的把关

Technical advantages

Possessing four core technologies: automatic unpacking, precise metering, powder conveying, and automatic packaging

The feeder uses a self-developed controller developed by Lingood, with fast running speed and high stability; easy to disassemble, horizontal stirring plus optional vertical stirring design, with high anti-bridging performance

More than 10 years of experience in lithium battery positive electrode material production line, including production line operation guidance and training

Can do production line EPC engineering design and general contracting, comprehensive product technology, energy saving and cost reduction

Rich design experience, can participate in the selection and technical agreement review

Partners 合作客户

