

# FULLY AUTOMATED BULK BAG PACKAGING MACHINE

## 全自动吨袋包装机

全自动，高精度  
高产能  
环保无尘

Fully automatic, high precision  
High productivity  
Environmentally friendly and dust-free



# Product Introduction

## 产品介绍

全自动吨袋包装机适用于粉料、粒料、片状料的自动计重包装，尤其适用于包装计量精度要求高的物料生产线，可与后端自动码垛机及 AGV 运送车配套组成全自动无人包装车间。

The fully automated bulk bag packaging machine is suitable for automatic weighing packages of powder, granular and flaky materials, especially for material production lines with high requirements for packaging and metering accuracy. It can be matched with the rear-end automatic palletizer and AGV transport vehicle to form a fully automatic unmanned packaging workshop.





# Product Specifications

## 产品特点

### 高产能、高精度

快慢双通道给料  
静态复称装置

High productivity, high precision

Fast and slow dual-channel feeding  
Static re-weighing device

### 无尘化

负压式给料进袋  
抽真空封袋方式

Dust-free

Vacuum feeding into the bag  
Vacuum sealing method

适用范围广，可应用于各种粉料、片状料、小块状料、粒料吨袋形式的自动计重包装

Wide range of applications, can be used for automatic weighing and packaging of various powders, flakes, small blocks, and granules in bulk bags

# LINGOOD





# Key Highlights

## 核心亮点

### 升降复称单元

#### 升降式静态称重功能:

给料时 - 采用 GTS 算法, 料仓称重系统与称台称重系统共同计量运算; 给料结束后 - 脱离连接、高精度静态称重校核; 一次计量慢辊精准给料, 二次静态复称, 双重保证包装计量精度 $\leq \pm 0.1\%$ 。

### Lifting and weighing unit

#### Lifting static weighing function:

During feeding - GTS algorithm is used, and the silo weighing system and the weighing platform weighing system jointly calculate the measurement; after feeding is completed - disconnect and high-precision static weighing verification; the first metering slow roller accurately feeds the material, and the second static weighing is used to double check that the packaging measurement accuracy is  $\leq \pm 0.1\%$ .

### 快慢双通道给料模式

#### 给料单元采用快慢双通道给料模式:

给料初始时 - 快慢双通道全速运作, 快速装包;  
接近设定值时 - 慢通道根据 GLS 算法独自运作, 精准给料;  
快慢辊配合, 给料高速, 保证包装效率。

### Fast and slow dual channel feeding mode

#### The feeding unit adopts fast and slow dual-channel feeding mode:

At the beginning of feeding - both fast and slow channels operate at full speed for fast packaging;  
When approaching the set value - the slow channel operates alone according to the GLS algorithm for precise feeding;  
Fast and slow rollers work together for high-speed feeding to ensure packaging efficiency.

# Intelligent Control System

## 智能控制系统

### 智能控制 -- 远程监测、独立切换

**远程状态监控：**全面监测设备的运行状态；

**数据监测：**实时显示运行数据、仪表数据、端口信号；

**状态设定：**分机构切换手自动控制、暂停、复位；自动喂料参数设置，调整设备运行状态，提高工作效率；

### Intelligent control--remote monitoring, independent switching

Remote status monitoring: comprehensive monitoring of the operating status of the equipment;

Data monitoring: real-time display of operating data, instrument data, and port signals;

Status setting: automatic control, pause, and reset of the sub-mechanism switching; automatic feeding parameter setting, adjusting the equipment operation status, and improving work efficiency;

### 报警监测 -- 数据无忧

**实时报警：**提供当前的故障状态报警，帮助故障排查人员快速判断故障点，故障复位，实时报警消除。

**历史报警：**记录报警时间、报警对象、报警原因及数据；随时查看故障原始数据记录。

**批次计量数据：**记录计量过程和补料数据；批次成品称重数据记录，随时质量追溯。

### Alarm monitoring--worries free about data

Real-time alarm: Provides current fault status alarm to help troubleshooters quickly determine the fault point, reset the fault, and eliminate the alarm in real time.

Historical alarms: record alarm time, alarm object, alarm reason and data; view the original fault data records at any time.

Batch measurement data: record the measurement process and feeding data; record the weighing data of batch finished products for quality traceability at any time.





# Application Industry

## 应用行业

化工、橡塑、建材、食品、新能源等行业粉料或粒料吨袋形式的自动计重包装。

Automatic weighing and packaging of powder or granular materials in bulk bags in industries such as chemicals, rubber and plastics, building materials, food, and new energy.



# Product Specifications

## 产品规格

项目 Items		参数 Basic Data / Parameters
产品型号 Model	Product Model	LQDB110×100
外观尺寸（长*宽*高） Dimension (mm)	Dimensions (length*width*height) (mm)	9500×8000×7100
设备重量 Weight (t)	Equipment weight (t)	13
包装效率 Packing Efficiency (bags/h)	Packaging efficiency (bags/h)	5-6
包装计量精度 Packaging Precision (%)	Packaging measurement accuracy (%)	≤0.1
功率 Power (Kw)	Power (Kw)	25
电源 Power Supply (v)	Power requirements (V)	AC 380
材质 Material	Material of construction	Q235 or 304
适用物料温度 Material Temperature (°C)	Applicable material temperature (°C)	-10 ~ +40
气源压力 Gas Pressure (MPa)	Air source pressure (MPa)	≥0.7
吨袋规格 Ton Bag Specification (m)	Bulk bag specifications	长*宽≤1，总高≤1.3 Length*width ≤ 1, total height ≤ 1.3
封装形式 Package Type	Package type	抽真空热合封装 Vacuum heat sealing Vacuum Heat Sealing Packaging
噪音等级 Noise Level (dB)	Noise Level (dB)	< 70

注：本文件所述内容仅用于参考，实际产品参数请咨询灵鸽科技根据具体设计方案而定  
Note: The contents described in this document is for reference only. For actual product parameters, please consult Lingood.

# EXPERT IN PRECISE MATERIAL HANDLING SYSTEMS

物料精准处理系统专家

电话: +86 0510-68228600

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](mailto:info@lingood.cn)

TEL. +86 0510-68228600

ADD. No.95-2, Zhujiang Rd, Xinwu, Wuxi, Jiangsu

WEB. <https://www.lingoodtech.com/>

EMAIL. [info@lingood.cn](mailto:info@lingood.cn)

详细信息请扫码关注“灵鸽科技”官方微信公众号



官方视频号



官方微信号



官方抖音号