

## 自动计量输送工程 Automatic Metering Conveyor Engineering

专注于自动定量包装秤及相关  
自动化设备生产线

Focused On The Automatic Quantitative  
Packaging Scales And Related Automation  
Equipment Production Lines

 **邦尧机械**  
BANG YAO MACHINERY

## 关于邦尧机械 About BangYao Machinery



在全球范围内，邦尧公司专心致力于物料输送，自动称重，机器人码垛技术的研发，产品广泛应用于食品，化工，制药，塑料，建材及其他行业。

### 经验

具有二十多年行业经验的几位技术型合伙人，在江苏无锡成立了邦尧公司，多年来，一直专注研发和生产物料输送，自动称重，机器人码垛系统，为行业提供最完美的解决方案。

### 服务

公司总部位于江苏无锡，依托江南大学等科研院所，公司拥有一批训练有素的专业工程师，他们拥有丰富的项目设计和管理经验，在中国已经设立昆明，成都，南宁，石家庄，郑州，长治，潍坊，大连，黄山，格尔木十大售后服务中心，从而更快的为客户提供服务。

随着公司国际市场份额的扩大，继续坚持质量和服务先行，销售依靠口碑的发展模式，让客户认可邦尧产品。

### 理念

邦尧制造意味着较高的投资回报率，用匠心精神，对产品质量做到极致，对售后服务做到最好，设备维护成本更低，质量更稳定可靠，你的任何需求，邦尧人都全力以赴。

Wuxi Bangyao is mainly focused on the automatic quantitative packaging scales and related automation equipment production lines for engineering plastics, chemical industry, mining and feed industries, and a complete design for your factory.

we are factory specilized in packing machine for several decades, there have ten after-sales center in our country.

we always advocate: pay more attention, do dicate production.

So Excellent quality, wonderful price, steady after-sales service, mature technology will give you a good experience.

We are near Shanghai and welcome to visit our factory.

专注于自动定量包装秤及相关自动化设备生产线  
Focused On The Automatic Quantitative Packaging Scales And Related Automation Equipment Production Lines

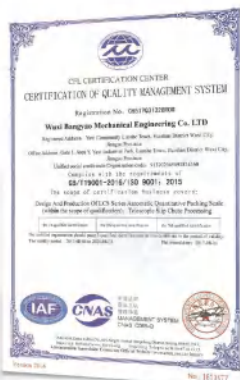


# 10 大售后服务中心 极速响应

10 After-sales Service Centers Amazing Response



## 公司资质 Company Qualification



# 全自动 称重包装码垛 生产线

Automatic  
weighing, packaging  
and palletizing  
production line

通过智能程序控制对整个生产线工作过程进行自动控制，可实现连续运转，具有故障报警、显示和自动连锁停机功能，也可根据用户需要配备通讯接口，对全自动包装码垛生产线实现实时监控、远程诊断和网络化管理。

Through intelligent program control, the entire production line is automatically controlled to achieve continuous operation. It has fault alarm, display and automatic chain shutdown functions. It can also be equipped with communication interfaces according to user needs to realize real-time monitoring and remote monitoring of the fully automatic packaging and palletizing production line Diagnosis and network management.



## 性能参数 Performance parameter

名称 Name	自动上袋机 Automatic bagging machine	自动上袋机 Automatic bagging machine (Lifting)
型号 Model	BY-SDJ-400 (S)	BY-SDJ-00 (SJ)
规格 Specification		
包装物料 Packing material	颗粒及粉尘量较少的物料 Particle and marial with less dust	超细粉末、易扬生的物料 Superfine powder, dust-prone materials
最大上袋能力 Capacity	400袋/h Bag/h	120袋/h Bag/h
填充方式 Filling method	1发/1袋 净重方式 1 Shot/1 Bag Net weight method	1发/1袋 垂直蛟龙底充方式 1 Shot/1 Bag, Vertical screw bottom filling method
设备重量 Equipment weight	≈1300Kg	≈1600Kg
功率 Power	3kw	4kw
标准称重精度 Precision	2‰	
填充重量 Fill weight	10~50kg/袋 kg/Bag	
耗气量及气压 Air consumption & Air pressure	≈800cm <sup>3</sup> /min 0.4~0.6MPa (空气干净、干燥 The air is clean and dry)	
包装袋材质 Bag	纸袋、塑料袋、覆膜编织袋(膜厚0.18-0.25mm)、内附PE袋需袋口粘合(可M折) Paper bags, plastic bags, film-coated woven bags (film thickness 0.18-0.25mm), and PE bags inside need to be glued (M-foldable)	
包装袋规格 Bag size	长度范围: 600-1050mm Length range: 600-1050mm	宽度范围: 420-520mm Width range: 420-520mm
封口形式 Sealing method	袋口除尘/修边/折边/热合/缝包/包热熔胶纸条(模块化可选)/可升降立包输送线配合封口设备 Bag mouth dust removal/trimming/folding/heat sealing/sewing bag/packing hot melt adhesive paper strip (modular optional) /liftable vertical package conveyor line with sealing equipment	

除人工在袋库以外，全程可连续自动化运行。进料和夹带有除尘口，保证操作环境干净。也具有检测技术和报警提示功能，对全自动包装码垛生产线实现实时监控、远程诊断和网络化管理。

Except for manual work in the bag warehouse, the whole process can be continuously automated. The feed and entrainment are equipped with dust removal ports to ensure a clean operating environment. It also has detection technology and alarm prompt function to realize real-time monitoring, remote diagnosis and network management of the fully automatic packaging and palletizing production line.



名称 Name	全自动上袋机 Automatic bagging machine		
型号 Model	BY-SDJ-400	BY-SDJ-600 (双伺服) Double servo	BY-SDJ-800 (三伺服) Three servo
规格 Standard			
电源 Power supply	AC380V/50Hz		
总功率 Power	2 KW	16 KW	20 KW
气源压力 Gas supply	0.5-0.7Mpa		
耗气量 Air consumption	30Nm <sup>3</sup> /h		
外形尺寸 Dimensions	4000mm*2800mm*2400mm		
包装速度 Packing speed	400~600包/小时 Bag/h	600~800包/小时 Bag/h	800~1000包/小时 Bag/h
净重 Net weight	≈4000kg		
包装范围 Packing range	10~50kg袋装产品 Bagged products		
包装袋材质 Packing bag material	非透气性、非热切口编织袋、塑料袋、纸袋、无纺布袋等，软袋硬袋均可 Non-breathable, non-heat-cut woven bags, plastic bags, paper bags, non-woven bags, etc., soft or hard bags		
包装袋规格 Bag size	长度范围: 700cm-110cm Length range: 700cm-110cm	宽度范围: 45cm-65cm Width range: 45cm-65cm	
包装袋袋型 Bag form	M型袋、枕型袋 M bag, pillow bag		

## 全自动 称重包装码垛 生产线

Automatic  
weighing, packaging  
and palletizing  
production line

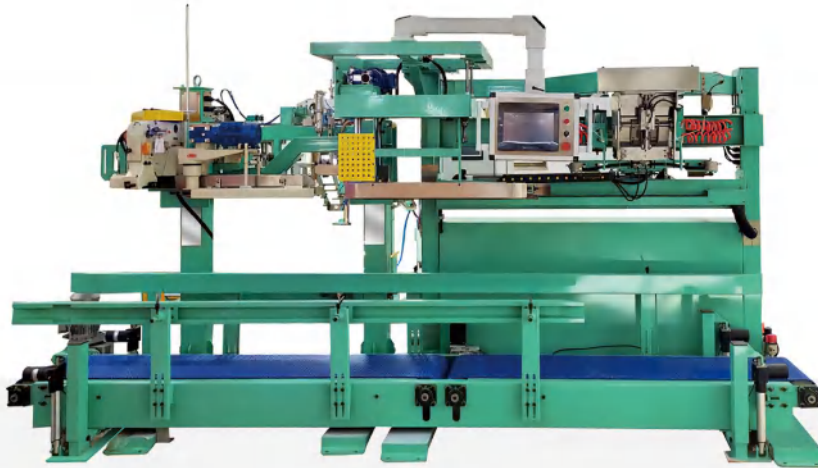
### 性能参数 Performance parameter

全自动  
称重包装码垛  
生产线

Automatic  
weighing, packaging  
and palletizing  
production line

设备现场  
Equipment scene





本机适合灌装包装袋袋口宽度为400-650毫米、高度为550-1050毫米的颗粒、粗粉状物品的自动化包装。自动完成开口加压、袋夹紧、袋封口、输送，折边、送标签、缝包等动作，省人工，效率高，操作简单，性能可靠，是对自动化水平要求较高的厂家完成编织袋、纸塑复合袋等袋口缝合作业的关键设备。

This machine is suitable for automatic packaging of granular and coarse powder items with a width of 400-650 mm and a height of 550-1050 mm. Automatically complete opening pressurization, bag clamping, bag sealing, conveying, folding, labeling, sewing and other actions, saving labor, high efficiency, simple operation and reliable performance. It is a manufacturer that requires a higher level of automation to complete woven bags, Paper-plastic composite bags and other key equipment for bag stitching operations.

工作能力 Capacity	600袋/小时 (Bags/h)
包装袋重量 Weight/bag	25-50Kg
包装袋规格 Bag size	宽400-600mm, 长550-1050mm 400-600mm wide, 550-1050mm long
电源 Power supply	三相四线 380V/2.0KW Three-phase four-wire 380V/2.0KW
气源压力 Air pressure	≥0.5MPa
压缩空气用量 Compressed air consumption	3m <sup>3</sup> /h
标签拾取成功率 Label pickup success rate	≥98%
递送标签速度 Delivery label speed	14张/分 (Sheets/minute)
外形尺寸 Dimensions	4100mm×2700mm×1750mm (长L×宽W×高H)

## 自动输送缝包机

Automatic conveying sewing machine

### 设备简介

Equipment Introduction

### 性能参数

Performance parameter

## 吨袋包装系统 Ton bag packaging system

### 适用范围 Application of the product

### 产品特点 Features of the product



葡萄糖、味精、淀粉、煤粉、鹅卵石、高体块聚乙烯、PVC添加剂、聚酯切片、氯化钾、硫酸钾、硫酸铵、氧化锌、己二酸、漂粉等化工、冶金行业中各种粉状、颗粒、片状物料的自动包装。

Automatic packaging of glucose, monosodium glutamate, starch, coal powder, cobblestone, paste mass, polyethylene, PVC additive, polyester pellet, potassium chloride, potassium sulfate, ammonium sulfate, zinc oxide, adipate, calcium hypochlorite and other powder, particle and platelet materials used in chemical and other metallurgical



- 整个包装全程自动智能化，采用PLC连锁控制，操作方便、简捷。
  - 采用人工上袋、系统自动摘袋，使包装速度大大提高。
  - （选配）涨袋装置，瞬间涨大包装袋，防止在包装过程中出现沾袋、无法下料等不良现象。
  - 设有除尘吸点接口，除尘完全，回收充分，大大改善了包装现场的工作环境。
  - 气缸升降装置具有振实功能，使物料能够充分填满吨袋，解决了轻质物料因无法装满而出现溢袋的现象。
  - （选配）输送机，及时输出包装完毕的成品，便于叉车的调运。
  - 为了使工人挂带方便，配有挂袋平台，高度适中，上下便捷，四周更有护栏保护。
  - The whole packaging process is automated, using PLC control, easy to operate.
  - Use manual bagging and machine unbagging, greatly improving the bagging speed.
  - Bag expanding device (optional) Blow open the bag quickly, avoid martial cant fall, etc...
  - With dust removal interface, greatly improving the packaging environment.
  - Cylinder lift has vibration function to ord to reach filling fully, Solved the light materials could not be filled.
  - Conveyor (Optional), output timely, convient carrying for forklift.
- In order to hang bag convient, Equipment with platform and safety fence are provided to protect workers safety.





吨袋包装系统  
Ton bag  
packaging system



设备现场  
Equipment scene

称重范围 (kg) Weighting range (kg)	200-2000 (可调整) 200-2000 (Adjustable)				
精度 Accuracy	±0.2%FS				
产量 (包/时) Output (bag/h)	5-30				
电源 Power supply	220V/380V, 50Hz				
气体压力 Air pressure	0.55-0.65Mpa				
工作环境 Operation environment	-20℃~+40℃				
进料方式 Feed mode	重力式 Gravity type	螺旋给料 Screw feeding	皮带给料 Belt feeding	震动给料 Vibratory feeding	组合形式 Combined form

性能参数  
Performance parameter

## 粉状物料 计量包装系列

Metering packaging  
series for  
powdery materials

### 适用范围

Application of the product

### 产品特点

Features of the product

**bj** 邦尧机械  
BANG YAO MACHINERY



LCS-CF 粉料无斗  
Powder materials  
packaging machine (no funnel)

适用于精细化工、食品，粮食，饲料、干粉砂浆、农药、奶粉、调味品、汤料、酶制剂、洗衣粉、干燥剂、味精、白糖、豆粉等化工行业中粉状或小颗粒物料的定量包装。（如化工粉料、减水剂、磷酸一铵、预混料、浓缩料、面粉等粉状物料的定量包装）。

It is applicable to portion pack of powder or finely ground particle materials in fine chemical engineering, food od, stuff, feedstuff, dry powder mortar, pesticide, powdered milk, sauce, soup blend, enzyme preparation, washing powder, drier, monosodium glutamate, white sugar, soya flour and other chemical industries (such as portion pack of chemical powders, water reducer, monoammonium phosphate, premix compound, condensed material, flour and other powdery materials).



— 集自动称量灌装、输送缝包组合成一体，结构紧凑、合理，外型新颖美观、噪声低，能耗低，操作简便，提高了生产效率，减轻了工人的劳动强度，改善了工作环境。

— 包装速度快、精度高。

— 结构简单、故障率低、维护方便。

— 落差自动修正功能：随料仓中物料多少的变化，自动修正提前量，使包装精度更稳定。

— 自动/手动功能：可以在自动状态下连续包装，也可以使用手动功能进行点动式包装。

— 成品计数功能：可以记录每一个班次或每一天的包装成品数量。

— 功能扩展方便：可以添加自动上袋、输送、缝包、折边、整形、喷码、码垛等功能。

— According to the characteristics of the material, the spiral frequency conversion three-speed feeding system or the self-flow arc gate two-speed feeding system can be adopted.

— Fast packaging speed and high precision.

— Simple structure, low failure rate and convenient maintenance.

— Automatic drop correction function: according to the change of the material in the silo, the lead amount is automatically corrected to make the packaging accuracy more stable.

— Automatic/manual function: continuous packaging in automatic state, or inching packaging using manual function.

— Ton bag counting function: can record the number of packaged finished products for each shift or each day.

— The function is easy to expand: and functions such as re-inspection, full-stack shaping, coding and dust removal can be added.

LCS-CF1 粉料有斗  
Powder materials packaging machine  
(with funnel)



LCS-CF2 粉料双斗  
Powder materials packaging machine  
(with two funnels)



型号 Type	称重范围 Weighting range (kg)	产量(包/时) Output(bag/h)	电源 Power supply	气源 Gas supply (Mpa)	精度 Accuracy
LCS-CF	25-50	180-260	380V/220V 50Hz (因国外电源标准不一,需定制) (Power supply must be ordered owing to inconsistent standard with foreign power supply)	0.4-0.6	0.2级 Grade 0.2
LCS-CF1	1-5 5-10 10-25	200-400			
LCS-CF2	25-100	300-500			

粉状物料  
计量包装系列  
Metering packaging  
series for  
powdery materials

性能参数  
Performance parameter

## 颗粒物料 计量包装系列

Metering packaging  
series for  
granular materials

### 适用范围

Application of the product

### 产品特点

Features of the product

**bjj** 邦尧机械  
BANG YAO MACHINERY



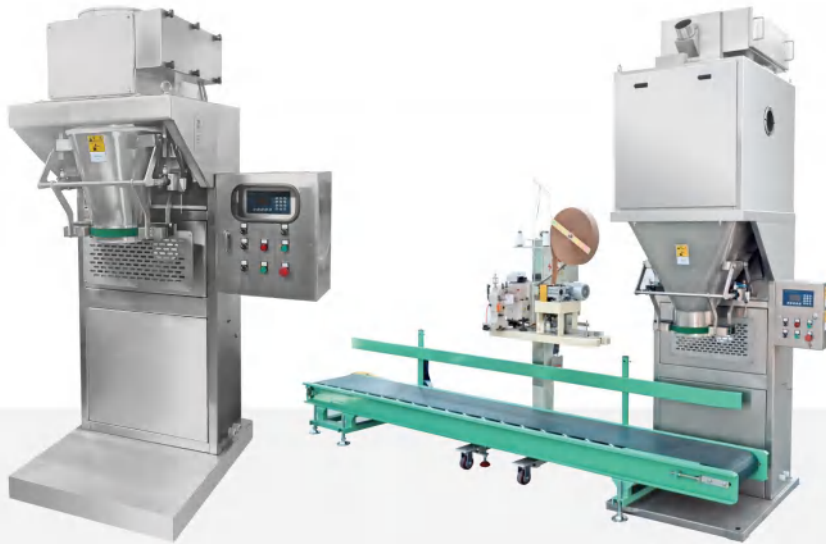
LCS-CK2 颗粒双斗  
Granular materials  
packaging machine (with two funnels)

适用于塑料粒子、环氧（聚酯）树脂、颗粒饲料、粮食、种子、颗粒复合肥、食品、中药、白糖、洗衣粉、汤料等颗粒状或颗粒含粉状物料定量包装。

Be used for plastic particles, epoxy (polyester) resin, pellet feed foodstuff, seed, particle compound fertilizer foodstuff, chinese traditional medicine, white sugar, washing powder, soup blend, etc.



- 根据物料的特点可采用自流弧形阀门和两速或三速加料系统。
  - 包装速度快、精度高。
  - 结构简单、故障率低、维护方便。
  - 落差自动修正功能：随料仓中物料多少的变化，自动修正提前量，使包装精度更稳定。
  - 自动/手动功能：可以在自动状态下连续包装，也可以使用手动功能进行点动式包装。
  - 成品计数功能：可以记录每一个班次或每一天的包装成品数量。
  - 功能扩展方便：可以添加自动上袋、输送、缝包、折边、整形、喷码、码垛等功能。
- According to the characteristics of the material, the spiral frequency conversion three-speed feeding system or the self-flow arc gate two-speed feeding system can be adopted.
- Fast packaging speed and high precision.
  - Simple structure, low failure rate and convenient maintenance.
  - Automatic drop correction function: according to the change of the material in the silo, the lead amount is automatically corrected to make the packaging accuracy more stable.
  - Automatic/manual function: continuous packaging in automatic state, or inching packaging using manual function.
  - Ton bag counting function: can record the number of packaged finished products for each shift or each day.
  - The function is easy to expand: and functions such as re-inspection, full-stack shaping, coding and dust removal can be added.



LCS-CK 颗粒无斗  
Granular materials  
packaging machine (no funnel)

LCS-CK1 颗粒有斗  
Granular materials  
packaging machine (with funnel)



设备现场  
Equipment scene

性能参数  
Performance parameter

型号 Type	称重范围 Weighting range (kg)	产量(包/时) Output(bag/h)	电源 Power supply	气源 Gas supply (Mpa)	精度 Accuracy
LCS-CK	25-50	180-260	380V/220V 50Hz (因国外电源标准不一, 需定制) (Power supply must be ordered owing to inconsistent standard with foreign power supply)	0.4-0.6	0.2级 Grade 0.2
LCS-CK1	1-5 5-10	250-400			
LCS-CK2	10-25 25-100	300-650			

## 混合物料 计量包装系列

Metering packaging  
series for  
mixed materials

### 适用范围

Application of the product

### 产品特点

Features of the product

**bj** 邦尧机械  
BANG YAO MACHINERY



LCS-PD2 皮带双斗秤  
Mixed materials  
packaging machine (with two funnels)

可广泛应用在片状化工，粘性粉料，药材，饲料，油脂，化工等颗粒或者颗粒含粉状物料的定量包装（如减水剂，工业萘，片状硬脂酸，豆粕，棉粕，颗粒（粉状）饲料，茶叶等）。

It can be widely used in the quantitative packaging of flaky chemical, viscous powder, medicine, feed, grease, chemical and other granule or granule containing powdery material (e.g water reducing agents, naphthalene, sheet stearic acid, soybean meal, cotton meal, granular (powdered) feed, tea, etc).



- 皮带给料，适用于流动性较差，比重不大且颗粒状粉状交杂在一起的物料。
- 装有可调节物料流量的挡料门和小投自动修正系统，结构紧凑。
- 电脑称重控制仪表与高精度数字式称重传感器，自动化程度高、精确。
- 可自动调整称重过程中的误差。
- 可显示净重、累计重量和包数的功能。

- Belt feeding is suitable for materials with poor fluidity, low specific gravity and intertwined granular powder.
- Equipped with a door that can adjust the material flow and an automatic correction system for small shots, compact structure.
- Computer weighing control instrument and high-precision digital weighing sensor, with high degree of automation and accuracy.
- The error in the weighing process can be automatically adjusted.
- It can display the function of net weight, accumulated weight and number of packages.

混合物料  
计量包装系列  
Metering packaging  
series for  
mixed materials

LCS-PD 皮带无斗秤  
Mixed materials  
packaging machine (no funnel)



LCS-PD1 皮带有斗秤  
Mixed materials  
packaging machine (with funnel)

型号 Type	称重范围 Weighting range (kg)	产量 (包/时) Output (bag/h)	电源 Power supply	气源 Gas supply (Mpa)	精度 Accuracy
LCS-PD	25-50	180-260	380V/220V 50Hz (因国外电源标准不一, 需定制) (Power supply must be ordered owing to inconsistent standard with foreign power supply)	0.4-0.6	0.2级 Grade 0.2
LCS-PD1	5-10 10-20	250-400			
LCS-PD2	25-50 50-100	300-650			

性能参数  
Performance parameter

## 全自动阀口袋 包装机系列

Automatic valve pocket  
Packing machine series

水平叶轮式/螺旋式/气浮/单嘴  
Horizontal vane / screw type / air floatation / monopole



### 产品特点

Features of the product

- 具有自动插袋，自动填充，自动封口和自动卸袋输出功能，自动化程度高，除人工在袋库放置口袋以外，全程自动化运行。
- 结构紧凑、合理，外型新颖美观、噪声低，能耗低，操作简便，提高了生产效率，减轻了工人的劳动强度，防粉尘泄露设计改善了工作环境。
- 自动插袋装置出现故障时，可以使用此双手操作控制台，进行人工插袋和人工控制封口，包装机能力几乎不受影响。

- It has the functions of automatic bag insertion, automatic filling, automatic sealing and automatic bag unloading. It has a high degree of automation. In addition to placing the pockets in the bag warehouse manually, the whole process is automated.

- The structure is compact and reasonable, the appearance is novel and beautiful, the noise is low, the energy consumption is low, the operation is simple, the production efficiency is improved, the labor intensity of the workers is reduced, and the dust leakage prevention design improves the working environment.

- When the automatic bag insertion device fails, the two-hand operation console can be used to manually insert the bag and manually control the sealing, and the capacity of the packaging machine is almost unaffected.

### 性能参数

Performance parameter

主要应用场合 Main applications	各种建材、砂浆、超轻粉物料 Building materials, mortar, super light powder materials	设备面宽 Device face width	650mm
适用物料 Applicable materials	腻子粉、粉刷砂浆、石膏、水泥、各种添加剂、 炭黑、活性炭等 Putty powder, painted mortar, gypsum, cement, various additives, carbon black, activated carbon, etc.	供电电压 Power supply voltage	按贵方需求 As requirement
包装速度 Packing speed	最大350袋/小时 Maximum 350 bags/h	供电频率 Power supply frequency	按贵方需求 As requirement
包装范围 Packing net weight	10-50kg	防护等级 Protection level	IP54或定制 IP54 or customized
包装袋形式 Bag	阀口袋 Valve pocket	压缩空气 Compressed air	5-6Bar
设备高度 Height	2400mm	除尘风量 Dust blowing	2000m <sup>3</sup> /h
设备前后尺寸 Width	1500mm		





LCS-FK1 颗粒阀口袋包装秤  
Valve bag packing scale for granular materials



LCS-FK 颗粒阀口袋包装秤  
Valve bag packing scale for granular materials

主要应用在比重大、流动性较好的颗粒状或片状物料的阀口袋包装，物料的产品包装。如环氧树脂、聚酯树脂、塑料粒子、炭黑颗粒等场合。

Mainly used in valve bag packaging of granular or sheet materials with larger specific gravity and better fluidity, and product packaging of materials. Such as epoxy resin, polyester resin, plastic particles, carbon black particles,



型号 Type	称重范围 Weighting range (kg)	精度 Accuracy	产量 (包/时) Output (bag/h)	电源 Power supply	气源 Gas supply (Mpa)	工作温度 Operating temperature
LCS-FK	15-50	+0.2%FS	50-80	380V/220V 50Hz (因国外电源标准不一，需定制) (Power supply must be ordered owing to inconsistent standard with foreign power supply)	0.4-0.6	-20-45℃
LCS-FK1	5-50	+0.2%FS	80-150			

## 阀口袋 计量包装系列

Metering packaging series for valve pocket

适用范围  
Application of the product

性能参数  
Performance parameter

## 阀口袋 计量包装系列

Metering packaging  
series for  
valve pocket

### 适用范围

Application of the product

### 性能参数

Performance parameter

**bj** 邦尧机械  
BANG YAO MACHINERY



LCS-QF 粉料阀口袋包装秤  
Valve bag packing scale for powder materials



LCS-FF 粉料阀口袋包装秤  
Valve bag packing scale for powder materials

主要应用在粒度为100-400目、可满足流动性较差的物料的包装，包装速度快、密封效果好、性能稳定、操作简单。适用于非金属、化工、建材、环保等行业中物料的自动定量灌装。如二氧化硅、高岭土、碳酸钙、硅微粉、氢氧化铝、铝矾土、叶腊石、氧化铁、石墨、炭黑、氧化锌等。

It is mainly used in the packaging of materials with a particle size of 100-400 mesh, which can meet the requirements of poor fluidity. The packaging speed is fast, the sealing effect is good, the performance is stable, and the operation is simple. It is suitable for automatic quantitative filling of materials in non-metal, chemical, building materials, environmental protection and other industries. Such as silica, kaolin, calcium carbonate, silica powder, aluminum hydroxide, bauxite, pyrophyllite, iron oxide, graphite, carbon black, zinc oxide, etc.



型号 Type	称重范围 Weighting range (kg)	精度 Accuracy	产量 (包/时) Output (bag/h)	电源 Power supply	气源 Gas supply (Mpa)	工作温度 Operating temperature
LCS-QF	15-50	+0.5%FS	200-350	380V/220V 50Hz (因国外电源标准不一，需定制) (Power supply must be ordered owing to inconsistent standard with foreign power supply)	0.4-0.6	-20-45℃
LCS-FF	5-50	+0.2%FS	80-150			



LCS-CLX-100B 超细粉底充式包装秤  
Superfine powder bottom-filled packaging scale



LCS-CLX-100T 超细粉底充式脱气包装秤  
Superfine powder bottom-filled degassing packaging scale

该机主要针对容易扬尘的超细粉末及高精度的包装要求而开发设计，根据装在容器下面的重量传感器给出的信号完成双速充填、计量及升降等工作，适用于包装添加剂、碳粉、灭火器干粉、其它超细粉末、及有高精度包装要求的粉末等。

The machine is mainly developed and designed for the requirements of ultra-fine powder that is easy to raise dust and high-precision packaging. According to the signal given by the weight sensor installed under the container, it can complete two-speed filling, metering and lifting. It is suitable for packaging additives and carbon powder, Fire extinguisher dry powder, other ultra-fine powder, and powder with high-precision packaging requirements.

- 伺服马达及伺服驱动控制螺杆，性能稳定、精度高。
- PLC控制、触摸屏人机界面显示，操作简便。
- 全不锈钢结构，组合式或开启式料箱，清洗十分方便。
- 气动夹袋装置和托罐装置可供选择，只需选择不同装置，即可满足罐装和袋装要求。
- 脱气包装秤配有负压脱气系统，在包装含气物料的过程中，配备独立的真空系统，能将物料中的部分气体排出，以达到减少体积及降低对包装袋要求的目的。
- Motor and drive control screw, performance more steady, more high-precision.
- PLC control, touch screen display more convenient.
- All stainless steel structure are convenient for cleaning.
- Pneumatic Clip bag and Tank holding device (optional), choose correct device to satisfy your need.
- Degas packing machine has Negative voltage degas system. When packing gas-containing materials, Equipped with an independent vacuum system to exhaust the gas, achieve to reduce volume and requirement of bags.

包装重量 (kg) Packing weight	包装精度 Accuracy	包装速度 Packing speed	电源 (V/Hz) Power supply	主机功率 (Kw) Motor rate	料箱容积 (L) Material box volume
10-50	0.2%	1-3次/分钟 Times/minute	380/220V 50Hz	2.2~5.5	50-100

## 超细粉 底充式包装秤

Superfine powder  
bottom-filled  
packaging scale

适用范围  
Application of the product

产品特点  
Features of the product

性能参数  
Performance parameter

## 超轻细粉 抽气式 (脱气式) 包装秤

Ultra light powder  
air extraction type  
packing scale



敞口袋抽气式包装秤  
Open-pocket exhaust packaging scale

阀口袋抽气式包装秤  
Valve bag exhaust packaging scale

### 产品特点 Features of the product

- 集自动称量灌装、输送缝包组合成一体，结构紧凑、合理，外型新颖美观、噪声低，能耗低，操作简便，提高了生产效率，减轻了工人的劳动强度，改善了工作环境。
- 专用的脱气装置可以将细粉中所含的空气排出，保证物料填充后的密实度极高，不需要再进行物料沉淀工序，粉尘将大幅度减少。
- 抽气棒采用不锈钢粉末冶金材质，经久耐用。
- 可根据现场实际需求调整脱气时间、次数、压力，以达客户需要的脱气效果，同时具有瞬时反吹功能，把抽气时附着在抽气棒上的粉料吹掉。
- 设有除尘吸点接口，除尘完全，回收充分，大大改善了包装现场的工作环境。
- 设有独特密封截料装置，截料迅速，保证物料不会过冲，保证高包装精度。
- 容器托盘装有重量传感器，根据预先设定的重量进行快速和慢速充填，保证高包装精度。
- PLC控制、触摸屏人机界面显示，操作简便。
- 容器托盘高度可调，轻松实现多种规格包装。
- 气动夹袋装置，气囊式夹袋装置，托罐装置可供选择，选择不同装置，以满足罐装和袋装要求。

- It integrates automatic weighing, filling, and conveying and sewing into a whole. The structure is compact and reasonable, the appearance is novel and beautiful, the noise is low, the energy consumption is low, and the operation is simple. It improves the production efficiency, reduces the labor intensity of the workers, and improves the work surroundings.

The special degassing device can discharge the air contained in the fine powder to ensure the high density of the material after filling, no need to carry out the material precipitation process, and the dust will be greatly reduced.

The suction rod is made of stainless steel powder metallurgy, which is durable.

The degassing time, frequency, and pressure can be adjusted according to the actual needs of the site to achieve the degassing effect required by the customer. At the same time, it has an instantaneous back-blowing function to blow off the powder attached to the suction rod during pumping.

- Equipped with a dust suction point interface, complete dust removal and sufficient recycling, which greatly improves the working environment of the packaging site.

- Equipped with a unique sealing cutting device, cutting materials quickly, ensuring that the materials will not overshoot and ensuring high packaging accuracy.

- The container tray is equipped with a weight sensor, fast and slow filling according to the preset weight to ensure high packaging accuracy.

- PLC control, touch screen man-machine interface display, easy operation.

The height of the container pallet is adjustable, and it is easy to realize multiple specifications of packaging. Pneumatic bag clamping device, air bag clamping device, and can holding device are available. You only need to



该机主要针对容易扬尘含气量大的超轻细粉末及高精度的包装要求而开发设计，根据装在容器上面的重量传感器给出的信号完成双速（三速）充填、计量等工作，在充填过程中，专用的脱气装置可以将细粉中所含的空气排出，可以保证出料口的物料以团簇状态充填到袋子中粉尘将大幅度减少。应用于松散无粘性，流动性好，含气丰富的粉状物料的抽气包装，特别适用于包装超细石墨粉、各种添加剂、灭火器干粉、其它超细粉末、淀粉、变性淀粉、滑石粉、颜料、碳纳米管、活性炭、电池原料、硅藻土及有高精度包装要求的粉末等。本系统可以连接除尘器、自动封口系统、输送系统、检测系统、码垛系统等设备，自动完成包装、封口、输送、检测、整形、码垛等工序。

The machine is mainly developed and designed for the requirements of ultra-light and fine powder with high dust content and high-precision packaging. According to the signal given by the weight sensor installed on the container, it can complete two-speed (three-speed) filling and metering. During the filling process, the special degassing device can discharge the air contained in the fine powder, which can ensure that the material at the discharge port is filled into the bag in a cluster state and the dust will be greatly reduced. It is applied to the aeration packaging of loose, non-sticky, good fluidity and gas-rich powdered materials. It is especially suitable for packaging ultra-fine graphite powder, various additives, dry fire extinguisher powder, other ultra-fine powders, starch, modified starch, talcum powder, Pigments, carbon nanotubes, activated carbon, battery raw materials, diatomaceous earth and powder with high-precision packaging requirements. This system can be connected with dust collector, automatic sealing system, conveying system, inspection system, palletizing system and other equipment to automatically complete packaging, sealing, conveying, inspection, shaping, palletizing and other processes.



定量范围 (kg) Weighing range	产量 (包/时) Output (bag/h)	包装精度 Accuracy	正压气源 (Mpa) Positive pressure gas supply	负压气源 (Mpa) Negative pressure gas supply	电源 (V/Hz) Power supply	主机功率 (kw) Monitor rate
5-50	30-180	+0.2%FS	0.5-0.7	-0.1	AC380V, 50Hz	5.5~8

## 超轻细粉 抽气式（脱气式） 包装秤

Ultra light powder  
air extraction type  
packing scale

适用范围  
Application of the product

性能参数  
Performance parameter

非标包装秤  
Non-standard  
packaging scale

粉料非标包装秤  
Powder non-standard packaging scale



粉料非标包装秤  
Powder non-standard packaging scale



粉料非标包装秤  
Powder non-standard packaging scale

双体包装秤  
Double body packaging scale





1-5kg颗粒小包包装秤  
1-5kg granular packet packaging scale



1-5kg粉料小包包装秤  
1-5kg Powder packet packaging scale



原粮累计秤  
Raw grain accumulation scale



简易吨包秤  
Simple ton packaging scale

25-1000Kg通用包装秤  
25-1000Kg universal packaging scale



非标包装秤  
Non-standard  
packaging scale

## 伸缩溜管 Telescopic loading chute

### 适用范围 Application of the product

### 产品特点 Features of the product

**bj** 邦尧机械  
BANG YAO MACHINERY



参照国际标准设计制造，选用名牌减速器，防爆控制能在高粉尘环境下可靠工作。具有自动化程度高，发放效率高，劳动强度低和防尘，环保等特点；应用于粮油仓储码头、散装饲料、水泥发放等行业；适用于散料火车，汽车装车，船舶装车等多种发放作业。

According to the international standard design and manufacture, the Europe an famous brand reducer is chosen, the explosion-proof control box can work reliably in the high dust environment. It is characterized by high degree of automation, high efficiency of distribution, low labor intensity, dust prevention and environmental protection. It is suitable for distribution of bulk material train, car loading, ship loading, etc.

- 智能料位探测，跟踪物位自动提升。
  - 手动/自动运行方式。
  - 高可靠性控制释系统。
  - 提供电气联锁控制信号/运行转台信号接口。
  - 便于组网控制。
  - 普通型/防爆型产品可供选择。
- Intelligent material level sensor, tracing material's automatic lifting.
  - Manual / automatic operation.
  - High reliable control system.
  - Provide electrical interlock control signal / operation status signal connection.
  - Easy for central control.
  - General / anti-exposure selection.
  - Extend length adjustable, less installation space.



伸缩溜管  
Telescopic  
loading chute



设备现场  
Equipment scene

# 集装箱包装秤 Container packing scales



## 设备简介 Equipment Introduction

本机由LCS定量包装秤、集装箱、料斗、自动称重控制系统、配电箱、输送机、逢包机、气动系统、除尘器、空气压缩机等组成。

全部集成在两只集装箱内。集装箱下安装拖轮，可由拖车拖至工作场所。

包装物料：化肥、粮食、饲料、散糖、硫磺、矿砂等自由流动物料。

This machine is composed of LCS quantitative packaging scale, container, hopper, automatic weighing control system, distribution box, conveyor, charter machine, pneumatic system, dust collector, air compressor, etc. All are integrated in two containers. A tug is installed under the container, which can be towed to the workplace by a trailer.

Materials: Free-flowing materials such as fertilizer, grain, feed, loose sugar, sulfur, ore, etc.



## 性能参数 Performance parameter

型号 Type	生产线 Production line	称重范围 (kg) Weighing range	精度 Accuracy	产量 (包/时) Output (bag/h)	电源 (V/Hz) Power supply	气源 (Mpa) Gas supply
BYJ-0.2-DL	单线双秤 1-line 2-scale	25-100	+0.1%FS	600~900	AC380V 4KW	0.55
BYJ-6.0-DL	双线双秤 2-line 2-scale	25-100	+0.1%FS	1200~1800	AC380V 120KW	0.55
工作环境 Operating environment	-20~+40℃					
包装袋 Packing bag	敞口袋 Open bag	PP编织袋或麻袋800*1250(L)*500~800(W)mm PP woven bag or jute bag 800-1250(L)*500-800(W)mm				
进料方式 Feeding mode	重力式 Gravity type	螺旋给料 Spiral feeding	皮带给料 Belt feeding	振动给料 Vibration feeding	组合形式 Combination form	
灌包方式 Packaging mode	自动定量称重 Automatic batch weighing	人工套袋 Manual bagging	自动充填 Automatic filling	人工辅助 Manual auxiliary	机器缝包 Machine sewing	
气体压力 Air pressure	0.55~0.65MPa					



**自动配料包装生产线**  
Automatic batching and packing production line



**自动配料秤**      **双桨高速混合机**  
Automatic proportioning scale      Double propeller high speed mixer

该系统可以控制数十种物料，数个计量称重，按照事先预定好的配方进行混合配比。具有配料精度高，生产速度快等特点。

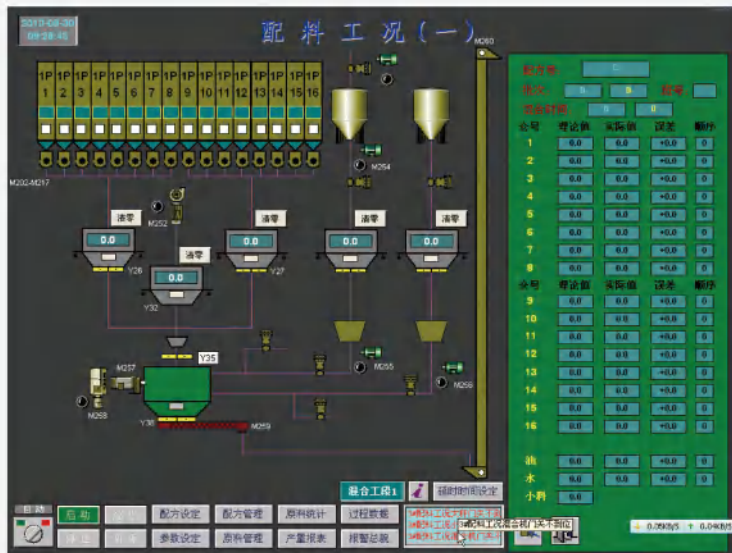
The system can control dozens of materials, several weighing, and mix and proportion according to the pre-determined formula. It has the characteristics of high batching precision and fast production speed.

## 自动配料系统

Automatic batching system

### 产品特点

Features of the product



**系统配置**  
System setting      计量秤斗（含传感器、气动元件）、称重仪表、工业计算机（含I/C接口板卡）、电气操作台  
Measuring hopper (including sensor, pneumatic parts), weighing controller, industry computer (with I/O connection), operation table.

**可选配件**  
Selective parts      模拟屏幕、打印机、不间断电源（ups）、参数稳压器等  
Simulation screen, printer, UPS, parameter voltage stabilize, etc.

### 硬件配置

Hardware configuration

辅助配件  
Auxiliary accessories



倒包整形机  
Upside down plastic machine



爬坡整形机  
Climbing machine



双皮带压包整形机  
Double belt press shaping machine



弯道整形机  
Bend shaping machine



待码机  
Pending machine



重量复检  
Weight rechecker



金属检测仪  
Metal detector



喷码机  
Jet printer



抓手  
Grasp the hand



全自动缠绕膜  
Fully automatic winding film



托盘库  
Pallet library



缝包机组  
Bag sewing machine



多功能热封缝合机  
Multifunctional heat-sealing suture machine



连续式热封机  
Continuous hot sealing machine



输送机+折边机  
Conveyer and folding machine



抽真空热封机  
Vacuum heat sealing machine



封箱机  
Sealing machine



机器人  
Robot

## 原料的接收和输送

Receiving and conveying of raw materials



**小袋投料站** Small bag feeding station

投料站设计符合人体工程学，集除尘筛分，磁选，破碎与一体，确保物料去块，去杂质，中央或体化除尘装置，确保工作环境的清洁和安全。

**吨包卸料站** Ton bag unloading station

吨袋倒料有多种方法，能快速有效的去除吨袋中物料，模块化设计，可以快速连接管链，风力，螺旋等输送设备，将物料送至下游工艺。



**爬坡皮带输送机** Climbing belt conveyor

爬坡皮带输送机是皮带线的一种。通过它可以物料从最初的供料点运送到卸料点，它可以与企业生产流程中的工艺流程相互配合，提高企业的生产效率。

**真空上料机** Vacuum feeder

密相气力输送可以有效避免物料磨管、堆积密度增加以及物料在输送过程中造成的破碎。在低速段式输送速度为每秒3米至15米。自动控制的脉冲式输送，耗气量最大80m<sup>3</sup>/h，最远输送距离高达400米。



**管链输送机** Pipe chain conveyor

适用于化工，化纤，医药原料，染料等行业固体散料，添加剂，催化剂等；可配套吨包拆包机，除尘器，气动滑板阀，料位计等配套设备。

以链条为传动，带动固体物料在密闭的管道内运动，可水平输送也可垂直输送，根据客户物料特点，根据输送距离，上下游需要，针对性设计解决方案，包括应用于防爆区域的物料输送。



**混合机** Mixer

利用机械力和重力等，将两种或两种以上物料均匀混合起来的机械设备，在混合的过程中，还可以增加物料接触表面积，以促进化学反应还能够加速物理变化。



**斗式提升机** Bucket elevator

广泛应用于化工复合肥，建材，食品，饲料，添加剂，生物工程，精细化工等干粉或颗粒状行业使用。



**物料分配器** Material distributor

- 物料分配器主要适用于粮食、饲料、化工等颗粒、粉体行业各个配料仓顶部的物料分配；
- 带料仓吸风装置，卸料管采用耐磨材料制作，经久耐用；
- 结构合理、定位准确、密封性良好、传动平稳、动力消耗低。



**U型刮板输送机** U-shaped scraper conveyor

- 轴端采用最新填料密封，确保不漏料；
- 新型防堵机构动作灵活，安全可靠，密封性能好；
- 尾部设置有活动体，最大程度减少残留；
- 机壳底部U型槽，再相匹配的刮板片的作用下具有噪音低，残留率低，使用寿命长。
- 广泛适用于饲料、化工、粮库、油脂等行业粉料及小颗粒物料的物质输送。



**斗式提升机** Bucket elevator

斗式提升机适用于低处往高处提升，供应物料通过振动台投入料斗后机器自动连续运转向上运送。根据传送量可调节传送速度，并随需选择提升高度。料斗为自行设计制造，PP无毒料斗使该型斗式提升机使用更加广泛，所有尺寸均按照实际需要设计制造，为配套立式包装机、电脑计量机设计，适用于食品、医药、化学工业品、螺丝、螺帽等产品的提升上料，可通过包装机的信号识别来控制机器的自动停启。



**脉冲除尘器** Pulse dust collector

采用先进技术低压喷吹清灰，圆桶结构；低阻高效，离心切向进风节能降耗降低高度，操作方便，滤袋寿命长，维修工作量效。

商务中心 Business center

## 无锡邦尧自控技术有限公司

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