



河南科邦科技有限公司

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COBAN
科邦科技

河南科邦科技有限公司

HENAN COBAN TECHNOLOGY CO., LTD

企业简介

COMPANY PROFILE

河南科邦科技有限公司是中国领先的农业机械供应商，是一家集科研、开发、设计、生产、销售于一体的企业。我们向世界提供饲料颗粒生产线、生物质成型机械、粮食烘干机和储存设备。公司拥有先进的机械制造、雄厚的开发能力、完善的售后服务，是国内研发、制造饲料生产线机械的专业制造商之一。

我公司位于河南省焦作市，占地面积约53000平方米，拥有18000平方米标准化重型工业厂房，各种大、中型加工、铆焊、装配设备20余台，集中具有中、高级职称的管理干部和工程技术人员100余人，是一家集研发、生产、销售、维修为一体的现代化企业。

我们专业制造动物饲料生产线、粮食干燥和储存设备等。公司拥有自营出口权，凭着过硬的设备质量，高效的销售团队和完善的售前-售中-售后服务，在海外、拥有庞大的市场，产品出口到全球70多个国家，包括美国、俄罗斯、荷兰、泰国、菲律宾、尼日利亚、坦桑尼亚、乌干达、津巴布韦、哥伦比亚、厄瓜多尔、秘鲁、乌拉圭等国家和地区。

公司拥有大批技术精湛的技术人员、专业的海外安装团队和经验丰富的售后服务团队，可以为用户提供从单机到整机的解决方案和设备。以及专业的定制服务、技术支持、可靠的备件供应和优质的售后服务！

河南科邦本着“质量第一、信誉第一、服务第一、用户至上”的经营理念，竭诚欢迎海内外客商前来洽谈合作！



Henan Coban Technology Co., Ltd is a leading provider of agriculture equipment in China, which is an enterprise integrating scientific research, development, design, production, and sales. We provide feed pellet production line, biomass molding machinery, grain drying and storage equipment to the world. The company has advanced mechanical manufacturing, strong development capabilities, and comprehensive after-sales service, and is one of the professional manufacturers in China for researching, developing, and manufacturing feed production line machines.

Our company is located in Jiaozuo City, Henan Province, covering an area of about 53,000 square meters, with 18,000 square meters of standardized heavy-duty industrial plants, more than 20 sets of various large and medium-sized processing, riveting and assembly equipment, and concentrated management cadres with middle and senior titles. With more than 100 engineering and technical personnel, it is a modern enterprise integrating R&D, production, sales and maintenance.

We specialize in manufacturing animal feed production line, grain drying and storage equipment, etc. The company has self-support export rights. With excellent equipment quality, efficient sales team and perfect pre-sales-sales-after-sales service, has a huge overseas market, and its products are exported to more than 70 countries around the world, including the United States, Russia, the Netherlands, Thailand, the Philippines, Nigeria, Tanzania, Uganda, Zimbabwe, Colombia, Ecuador, Peru, Uruguay and other countries and regions.

The company has a large number of skilled technicians, a professional overseas installation team and an experienced after-sales service team, which can provide users with solutions and equipment ranging from a single device to a complete set of machine. And professional customized service, technical support, reliable spare parts supply and high-quality after-sales service!

In line with the business philosophy of "quality first, reputation first, service first, customer first", Henan Coban sincerely welcomes businessmen from home and abroad to come to discuss cooperation!

携手共进 共赢未来

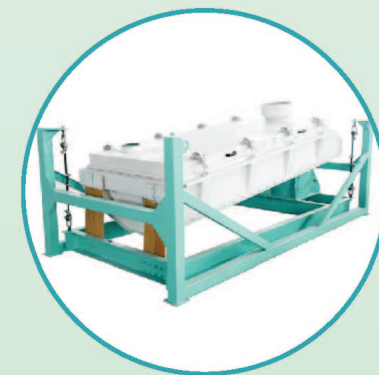
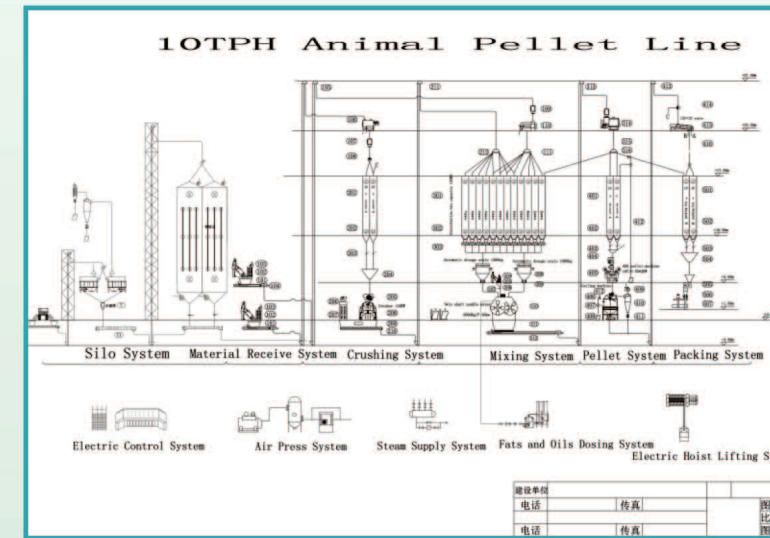
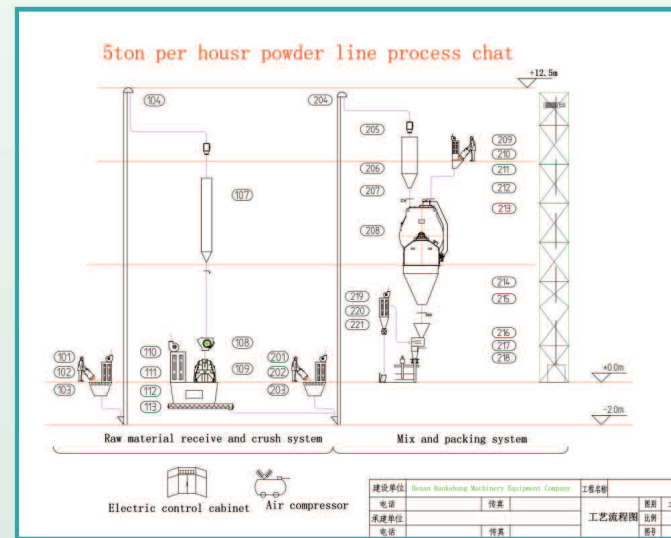
河南科邦科技成套设备工艺流程图

Henan Coban Technology complete equipment process flow chart:



- 1-2T/H动物饲料生产线
- 3-5T/H动物饲料生产线
- 5-10T/H动物饲料生产线
- 10-20T/H动物饲料生产线
- 20-30T/H动物饲料生产线
- 30-50T/H动物饲料生产线

- 1-2T/H Animal feed production line
- 3-5T/H Animal feed production line
- 5-10T/H Animal feed production line
- 10-20T/H Animal feed production line
- 20-30T/H Animal feed production line
- 30-50T/H Animal feed production line



SFSP系列-粉碎机

科邦SFSP系列粉碎机广泛应用于粉碎各种粒装物料，如玉米、高粱、麦类、豆类等。



SFSP series-Hammer mill

Coban SFSP series crushers are widely used to crush various granular materials, such as corn, sorghum, wheat, beans, etc.

- ✎ 本系列粉碎机采用水滴型粉碎室，粉碎室底部有W型附带特制钢定刀的二次粉碎槽，破坏物料环流层，同比提高粉碎效率28%。
 - ✎ 充分优化的锤片排列、高精度的转子动平衡、确保运转更平稳，噪音更低，使用寿命更长。
 - ✎ 粉碎机设计有独立出风口，克服了粉碎机“料多时风小，料少时风大”的缺陷。
 - ✎ 内藏式转子，气缸驱动导料板实现远程正反转。
 - ✎ 推拉式门和独特的快速压筛结构，使用维护更换更方便。
 - ✎ 西门子电机，SKF进口轴承，蛇形联轴器。
 - ✎ 推拉门与电控互锁安全装置，操作更安全。
- ✎ This series of crushers adopts a water-drop-shaped crushing chamber. There is a W-shaped secondary crushing groove with a special steel fixed knife at the bottom of the crushing chamber, which destroys the material circulation layer and increases the crushing efficiency by 28% year-on-year.
- ✎ Fully optimized hammer arrangement and high-precision rotor dynamic balance ensure smoother operation, lower noise and longer service life.
- ✎ The crusher is designed with an independent air outlet, which overcomes the defect of the crusher that "the wind is small when there is a lot of material, and the wind is strong when there is a little material".
- ✎ Built-in rotor, cylinder drives guide plate to realize remote forward and reverse rotation.
- ✎ Sliding door and unique rapid screen pressing structure make use, maintenance and replacement more convenient.
- ✎ Siemens motor, SKF imported bearings, snake coupling.
- ✎ Sliding door and electronically controlled interlocking safety device make operation safer.

产品参数表

Product parameter table

型号 Model	Power功率 (KW)	Capacity产量 (T/H)	Sieve hole diameter 筛孔直径 (mm)
SFSP56×30	18.5/22	3-5	Φ3.0
SFSP56×40	30/37	5-6	Φ3.0
SFSP60×60	55/75	6-10	Φ3.0
SFSP66×80	90	6-8	Φ1.0
SFSP66×80	110	7-9.5	Φ1.0
SFSP66×100	132	8-11	Φ1.0
SFSP66×100	160	10-13	Φ1.0

注：产品数据以原料为水分≤13%的玉米测试

Note: The product data is tested based on corn with moisture content ≤13%.

产品参数表

Product parameter table

型号 Model	Power功率 (KW)	Capacity产量 (T/H)	Sieve hole diameter 筛孔直径 (mm)
SFSP968-1	90/110	12-22	Φ3.0
SFSP968-2	110/132	25-35	Φ3.0

注：产品数据以原料为水分≤13%的玉米测试

Note: The product data is tested based on corn with moisture content ≤13%.

SLHSJ系列-混合机

SLHSJ series-mixer

科邦SLHSJ系列混合机广泛应用于饲料、食品、化工、化肥等行业中的粉状、颗粒状、片状、块状等物料的混合。

Coban SLHSJ series mixers are widely used in the mixing of powdery, granular, flake, block and other materials in feed, food, chemical, fertilizer and other industries.



双轴桨叶混合机

- 双轴桨叶混合快速、柔和、均匀度高达95%。
- 三排链条平稳传动，大齿轮为快拆抱箍结构省时省力。
- 底部大于90°大开门结构，残留少；放料门特制硅胶密封条轴端填料密封，不漏料。
- 开门自锁结构，停电气缸失压不漏料。
- 超大检修门，方便维护，并有电控互锁安全装置，操作更安全。
- 机内自带液体喷涂管道喷头，可选配喷吹清理装置。

Twin-shaft paddle mixer

Double-shaft paddle mixing is fast, gentle, and the uniformity is as high as 95%.

Three rows of chains drive smoothly, and the large gears save time and effort for the quick-release hoop structure.

The bottom is larger than 90° and has a large opening structure with less residue; the discharge door is sealed with a special silicone sealing strip and the shaft end is filled to prevent material leakage.

The door opens with a self-locking structure, and the electric cylinder loses pressure and does not leak material when it is turned off.

Extra-large access door facilitates maintenance, and has an electronically controlled interlocking safety device for safer operation.

The machine is equipped with a liquid spray pipe nozzle, and a blowing cleaning device is optional.

产品参数表

Product parameter table

型号 Model	功率(KW) Power	每批次混合量 Mixing volume per batch (KG/bat)	混合均匀度 Mixing uniformity (CV≤%)	混合时间 Mixing time(S)	重量 weight(KG)
SLHSJ0.5	5.5/7.5	250	5	40-120	1320
SLHSJ1	11/15	500	5	40-120	1950
SLHSJ2	18.5/22	1000	5	40-120	3955
SLHSJ3	22/30	1500	5	40-120	4350
SLHSJ4	30/37	2000	5	40-120	4725

单轴双桨叶混合机

- 单轴双层桨叶，混合均匀度高达97.7%，混合时间短，减速机直联传动能耗低。
- 桨叶可拆卸，并能调整与机壳最佳间隙，确保残留率≤0.1%，防止交叉污染。
- 底部大于90°大开门结构，残留少；放料门特制硅胶密封条，轴端填料密封，不漏料。
- 开门自锁结构，停电气缸失压不漏料。
- 超大检修门，方便维护，并有电控互锁安全装置，操作更安全。
- 机内自带液体喷涂管道喷头，可选配喷吹清理装置。

Single-shaft double-blade mixer

Single-shaft double-layer blades, the mixing uniformity is as high as 97.7%, the mixing time is short, and the direct transmission of the reducer has low energy consumption.

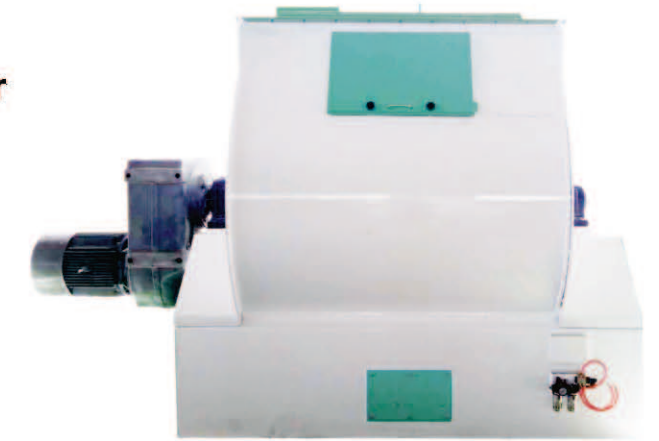
The blades are removable and can be adjusted for optimal clearance with the casing to ensure the residual rate is ≤ 0.1% and prevent cross-contamination.

The bottom is larger than 90° and has a large opening structure with less residue; the discharge door has a special silicone sealing strip and a shaft end packing seal to prevent material leakage.

The door opens with a self-locking structure, and the electric cylinder loses pressure and does not leak material when it is turned off.

Extra-large access door facilitates maintenance, and has an electronically controlled interlocking safety device for safer operation.

The machine is equipped with a liquid spray pipe nozzle, and a blowing cleaning device is optional.



产品参数表

Product parameter table

型号 Model	功率(KW) Power	每批次混合量 (KG/bat)	混合均匀度 (CV≤%)	混合时间(S) Mixing time(S)
SLHSJ1.0	11/15	500	3	30-120
SLHSJ2.0	18.5/22	1000	3	30-120
SLHSJ4.0	37/45	2000	3	30-120

SZLH系列制粒机

SZLH series Pellet mill

- * 科邦 SZLH 系列主要适用于畜禽动物、反刍动物、水产等饲料颗粒的生产。
- * Coban SZLH series is mainly suitable for the production of feed pellets for livestock and poultry animals, ruminants, aquatic products, etc.

颗粒机

- * 环模采用优质不锈钢，经精密加工，应用真空热处理工艺，孔径光洁度高，使用寿命长。
- * 合金结构钢锻造主轴，具有良好的轻度和韧性，使制粒机工作平稳进行。
- * 喂料器、调制器、制粒门盖均使用不锈钢材料，耐腐蚀更耐用。
- * 切刀刀头镶嵌硬质合金，经久耐用。
- * 齿轮型采用蛇形联轴器，传动平稳。



Pellet mill

- * The ring die is made of high-quality stainless steel, which is precision processed and applied vacuum heat treatment process. It has high aperture smoothness and long service life.
- * The alloy structural steel forged spindle has good lightness and toughness, allowing the granulator to work smoothly.
- * The feeder, modulator, and granulating door cover are all made of stainless steel, which is corrosion-resistant and more durable.
- * The cutter head is inlaid with carbide, which is durable.
- * The gear type adopts serpentine coupling for smooth transmission.

产品参数表

Product parameter table

型号 Model	功率(KW) Power	产量(T/H) Capacity	环模内径 Ring die inner diameter (MM)	压辊数量 Number of pressure rollers	喂料器功率(KW) Feeder power	调质器功率(KW) Conditioner power	颗粒规格 Particle specifications (MM)
SZLH350	30×2	2-6	Φ350	2	0.75	5.5	Φ2-Φ10
SZLH420	55×2	2-12	Φ420	2	1.5	5.5	Φ2-Φ10
SZLH420TW	55×2	2-14	Φ460	2	1.5	5.5	Φ2-Φ10
SZLH600	75×2	4-20	Φ550	3	1.5	7.5	Φ2-Φ10
SZLH1200	90/110×2	4-27	Φ650	3	2.2	11	Φ2-Φ10

水产饲料膨化机

- ☞ 国际先进切粒结构，能在出料时将产品任意切割成所需长度。
- ☞ 设计新颖、独特，结构简单，易装易拆易卸，操作方便。
- ☞ 螺杆采用特殊耐磨耐高温高湿的材料 38 铬钼铝制成，先调质后再经热处理成型，具有耐磨和寿命长的优点。
- ☞ 主轴轴承组合使用进口轴承，确保膨化机的安全、可靠。
- ☞ 生产的浮性颗粒膨化饲料可漂浮于水面保持至少 12 小时不会泡散，鱼类和畜禽喜食易消化，人工可方便地观察鱼类的食量，不会造成饲料的浪费，不会污染水质，物料经高温高压有效地杀死有害细菌等。



Aquatic feed extruder

- ☞ The international advanced pelletizing structure can cut the product to the required length when discharging.
- ☞ Novel and unique design, simple structure, easy to install and disassemble, and easy to operate.
- ☞ The screw is made of 38 chromium molybdenum aluminum, a special wear-resistant, high-temperature and high-humidity material. It is first quenched and tempered and then heat-treated to form. It has the advantages of wear resistance and long life.
- ☞ The main shaft bearing combination uses imported bearings to ensure the safety and reliability of the extruder.
- ☞ The floating granular extruded feed produced can float on the water surface and remain on the water for at least 12 hours without dispersing. Fish and livestock like to eat it and it is easy to digest. The food intake of fish can be easily observed manually without causing waste of feed and pollution. Water quality, materials can effectively kill harmful bacteria, etc. through high temperature and high pressure.

斗式提升机

- ☞ 新式自清式提升机，残留更少。
- ☞ 头轮覆胶，底轮网状件，有效防止皮带打滑现象，机筒2mm 板制作，对口法兰采用8mm板。
- ☞ 高强度聚酯皮带。
- ☞ 新式硬齿面减速机，自动止逆，终身免维护。
- ☞ 速度检测，失速报警。



Bucket elevator

- ☞ The new self-cleaning hoist leaves less residue.
- ☞ The head wheel is covered with rubber and the bottom wheel mesh is used to effectively prevent the belt from slipping. The barrel is made of 2mm plate and the counterpart flange is made of 8mm plate.
- ☞ High-strength polyester belts and buckets are made of Zhenjiang 3D products.
- ☞ New type of hard tooth surface reducer, automatic backstop, maintenance-free for life.
- ☞ Speed detection, stall alarm.

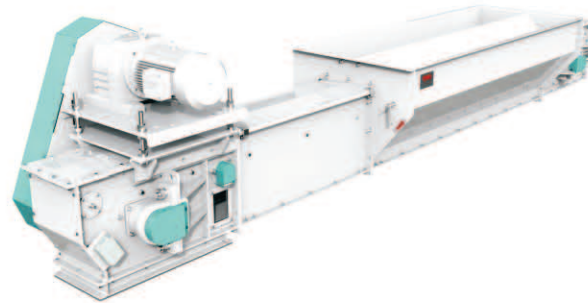
产品参数表

Product parameter table

型号Model	功率(KW)Power	产量(m ³ /h)Capacity
TDTG40/23	3/4	45
TDTG50/28	5.5/7.5/11	110
TDTG63/28	7.5/11/15	130

刮板输送机

- ※ 自清式、设防堵装置。
- ※ 新式硬齿面减速机。
- ※ 筒体4mm 钢板制作，6mm 加厚链条，高强度尼龙刮板，五星式托轮。
- ※ 组装式结构，拆卸更换方便。



Scraper conveyor

- ※ Self-cleaning and anti-blocking device.
- ※ New type hard tooth surface reducer.
- ※ The cylinder body is made of 4mm steel plate, 6mm thickened chain, high-strength nylon scraper, and five-star supporting wheel.
- ※ Assembled structure, easy to disassemble and replace.

产品参数表

Product parameter table

型号Model	功率(KW)Power	产量(m ³ /h)Capacity
TGSS20	根据长度定 Depend on length	45
TGSS25	根据长度定 Depend on length	90
TGSS32	根据长度定 Depend on length	130
TGSU20	根据长度定 Depend on length	45
TGSU25	根据长度定 Depend on length	90
TGSU32	根据长度定 Depend on length	130

脉冲除尘器

- ※ 全圆形针刺尼多防滤袋。
- ※ TDF 高压电磁阀。
- ※ 箱体4mm 钢板制作。
- ※ 全开门设计易拆卸，易清理。



Pulse dust collector

- ※ Fully circular needle-punched Nido filter bag.
- ※ TDF high pressure solenoid valve.
- ※ The cabinet is made of 4mm steel plate.
- ※ The full-door design is easy to disassemble and clean.

产品参数表

Product parameter table

型号Model	过滤面积 filter area(m ²)	处理风量 Processing air volume(m ³ /h)
TBLM4	4	360-720
TBLM12	6	450-830
TBLM20	10	1560-3220
TBLM36	37	4540-8800
TBLM48	48	5600-11000
TBLM56	56	6800-13500

双层圆筒清理筛

- ☞ 万向节传动结构，滚筒倾角可根据不同物料4°-8°范围内调节。
- ☞ 广泛用于谷物类物料清理除杂。
- ☞ 双层滚筒筛网，高效清理物料大小杂质。
- ☞ 筛网分段组合式设计，更换筛网速度快。
- ☞ 筛网外装置清理筛孔堵塞毛刷。



Double-layer cylinder cleaning screen

- ☞ Universal joint transmission structure, the drum inclination angle can be adjusted within the range of 4°-8° according to different materials.
- ☞ Widely used for cleaning and removing impurities from grain materials.
- ☞ Double-layer drum screen can efficiently clean large and small impurities in materials.
- ☞ The screen is segmented and combined design, and the replacement of the screen is fast.
- ☞ A brush is installed outside the screen to clean the clogging of the screen holes.

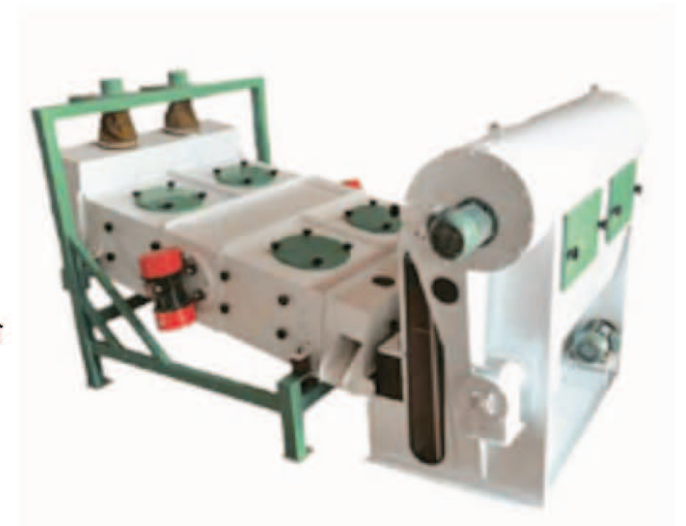
产品参数表

Product parameter table

型号Model	功率Power(KW)	产量Capacity(T/H)	重量Weight(KG)
TCQY90×2C	2.2	30-60	930
TCQY120×2C	3	60-110	2240
TCQY150×2C	5.5	120-180	2700

自衡振动清理筛

- ☞ 自衡振动，双层筛网，高效清理大小杂质。
- ☞ 噪音小，动耗低。
- ☞ 压筛结构简便，快速换筛。
- ☞ 密闭筛体，无粉尘外溢，与循环风选器配合使用效果更佳。



Self-balancing vibrating cleaning screen

- ☞ Self-balancing vibration and double-layer screen can efficiently clean large and small impurities.
- ☞ Low noise and low power consumption.
- ☞ The screen pressing structure is simple and the screen can be changed quickly.
- ☞ Sealed screen body, no dust spillage, better effect when used in conjunction with circulating air separator.

产品参数表

Product parameter table

型号Model	功率Power(KW)	产量Capacity(T/H)	重量Weight(KG)
TQLZ100×200	2×0.37	15-25	710
TQLZ150×200	2×0.55	25-35	1040
TQLZ200×200	2×0.75	35-45	1250
TQLZ125×200B×2	4×0.55	45-55	1750

循环风选器

- ☞ 闭路自循环风设计，具有除尘降尘的功能，节省其他除尘设备。
- ☞ 自循环吸风，依据比重分离颗粒物料中的轻杂，经特殊闭风装置排除。
- ☞ 配合自衡振动清理筛等依据粒度分离杂质的设备使用，清理效果更佳。



Circulation air separator

- ☞ Closed-circuit self-circulating air design has the function of dust removal and dust reduction, saving other dust removal equipment.
- ☞ Self-circulating air suction, separates light impurities in granular materials based on specific gravity, and removes them through a special closed air device.
- ☞ Used in conjunction with equipment such as self-balancing vibrating cleaning screens that separate impurities based on particle size, the cleaning effect is better.

粒料初清筛

- ☞ 广泛用于清理粒状物料的杂质。
- ☞ 滚筒状筛片分离效率高，运转平稳，工作可靠。
- ☞ 结构紧凑，全开门设计更换筛底方便。



Preliminary cleaning and screening of granules

- ☞ Widely used to clean impurities from granular materials.
- ☞ The drum-shaped screen has high separation efficiency, smooth operation and reliable operation.
- ☞ Compact structure, full-door design makes it easy to replace the screen bottom.

产品参数表

Product parameter table

型号 Model	功率 Power(KW)	产量 Capacity(T/H)	重量 Weight(KG)
SCQY60	0.75	20-40	410
SCQY90	0.75	40-60	520

粉料初清筛

- ☞ 广泛用于清理粉状物料的杂质
- ☞ 圆锥状筛片分离效率高，运转平稳，工作可靠。
- ☞ 结构紧凑，全开门设计更换筛片更方便。
- ☞ 8mm 打板有效打碎分离粉状料中的团状物。
- ☞ 该机亦可用于清理成品粉料中的团状物。



Preliminary cleaning and screening of powder

- ☞ Widely used to clean impurities in powdery materials
- ☞ The conical screen has high separation efficiency, smooth operation and reliable operation.
- ☞ Compact structure, full-door design makes it easier to replace the screen.
- ☞ 8mm beating plate effectively breaks and separates lumps in powdery materials.
- ☞ This machine can also be used to clean the lumps in the finished powder.

产品参数表 Product parameter table

型号odel	功率Power(KW)	产量Capacity(T/H)	重量Weight(KG)
SCQZ80	5.5	15-20	355
SCQZ100	11	25-35	390

永磁筒

- ☞ 不锈钢筒体，内置环形散料结构，结构紧凑。
- ☞ 采用整体磁芯，磁场强度3000CS，除铁效率99.9%。
- ☞ 门轴式开门结构，不变形不漏料。



Permanent magnet cylinder

- ☞ Stainless steel cylinder, built-in ring bulk material structure, compact structure.
- ☞ Using an integral magnetic core, the magnetic field strength is 3000CS, and the iron removal efficiency is 99.9%.
- ☞ Door-axis door opening structure, no deformation or material leakage.

产品参数表 Product parameter table

型号Model	功率Power(KW)	产量Capacity(T/H)
TCXT20	20-30	65
TCXT25	35-50	109
TCXT30	45-70	276

冷却器

- 逆流式冷却有效防止高温高湿颗粒开裂，冷却后物料不高于室温+3℃，降水率≥4%。
- 新式八角形逆流冷却器，冷却均匀，排料无死角。
- 手动/自动双档操作，即可根据内置温度传感器和料位器自动排料，亦可经过手动挡排料和停机气缸驱动的排料结构清空冷却器。
- 不锈钢材质制作上盖、散料器、风口、旋风下料器的连接管道，使设备更经久耐用。



Cooler

Counterflow cooling effectively prevents cracking of high-temperature and high-humidity particles. After cooling, the material is no higher than room temperature +3 °C , and the precipitation rate is ≥4%.

New octagonal counter-flow cooler provides even cooling and no dead ends for discharge.

Manual/automatic dual-speed operation, which can automatically discharge materials according to the built-in temperature sensor and material level device, and can also clear the cooler through the manual discharge and shutdown cylinder-driven discharge structure.

The upper cover, spreader, air outlet, and connecting pipes of the cyclone feeder are made of stainless steel to make the equipment more durable.

产品参数表

Product parameter table

型号Model	功率Power(KW)	产量Capacity(T/H)
SKLN3	1.5	5-8
SKLN6	1.5	8-15
SKLN8	2.2	15-20

三辊碎粒机

- 变频调速喂料辊喂料，含粉率低，粒度均匀。
- 高强度合金轧辊使用寿命长，快慢轧辊结构破碎效率高。
- 轧辊保护装置使轧辊遇到较大硬质异物时自动避让。
- 双取样口结合轧辊间隙刻度表，使破碎更均匀。
- 气缸驱动破碎/不破碎挡位，实现远程控制。
- 急停装置使生产维护更安全。



Three-roller crumbler

- Frequency control speed-adjustable feeding roller feeding, low powder content and uniform particle size.
- High-strength alloy rollers have long service life, and the fast and slow roller structures have high crushing efficiency.
- The roller protection device allows the roller to automatically avoid when it encounters large hard foreign objects.
- Double sampling ports combined with roller gap scale make the crushing more uniform.
- The cylinder drives the crushing/non-crushing gear to achieve remote control.
- Emergency stop device makes production and maintenance safer.

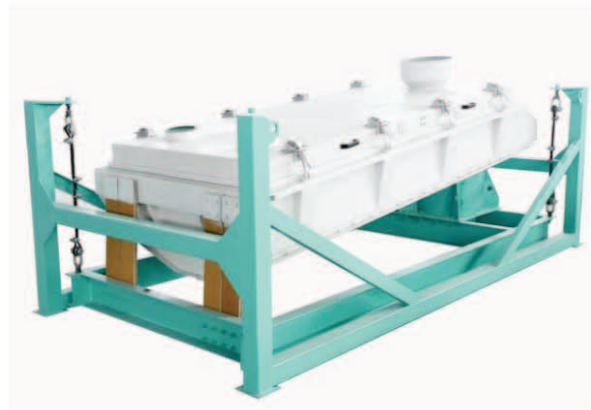
产品参数表

Product parameter table

型号 Model	功率 Power(KW)	产量 Capacity(T/H)	重量 Weight(KG)
SSLG15/150	7.5	7-10	500
SSLG20/170	11+1.1	8-15	1808
SSLG24/170	15+1.1	10-20	1830

回转分级筛

- ☛ 标配为两层筛，可根据工艺需要定制为单层筛、三层筛（双进料口）等型号。
- ☛ 置于传动箱之外的独特配重平衡结构，使回转分级筛动平衡更好，轴承更耐用。
- ☛ 传动箱为皮带传动，避免漏油现象。
- ☛ 分体式筛盖和快速的压筛结构使换筛更方便快捷。
- ☛ 筛网为不锈钢材质，更耐用



Rotary grading screen

- ☛ The standard configuration is a two-layer screen, which can be customized into single-layer screen, three-layer screen (double inlet) and other models according to process needs.
- ☛ The unique counterweight balance structure placed outside the transmission box makes the rotary classification screen better dynamically balanced and the bearings more durable.
- ☛ The transmission box is belt driven to avoid oil leakage.
- ☛ The split screen cover and fast screen pressing structure make screen replacement more convenient and faster.
- ☛ The screen is made of stainless steel and is more durable

产品参数表

Product parameter table

型号Model	功率Power(KW)	产量Capacity(T/H)	重量Weight(KG)
SFJH80×1C	2.2	654	5-8
SFJH80×2C	2.2	760	5-8
SFJH80×3C	2.2	876	5-8
SFJH100×1C	3	850	8-13
SFJH100×2C	3	890	8-13
SFJH100×3C	3	1180	8-13
SFJH130×1C	3	881	10-15
SFJH130×2C	3	1071	10-15
SFJH130×3C	3	1300	10-15
SFJH150×1C	3	1200	15-18
SFJH150×2C	3	1400	15-18
SFJH150×3C	4	1600	15-18

称重式液体添加机

- ☛ 微电脑自动控制实现单机独立工作，也可PLC 结合工控机控制实现远程中央控制工作。
- ☛ 自带蒸汽管道加热系统。
- ☛ 自动供给、称重、喷油；按照设定的目标量喷油完毕后，辅助的管道压缩空气喷吹装置立即工作，清理管道防止滑滴进入物料和凝团堵塞管道。
- ☛ 手动/自动档，均可操作。



Weighing liquid adding machine

- ☛ Microcomputer automatic control realizes stand-alone independent work, and PLC can also be combined with industrial computer control to realize remote central control.
- ☛ Comes with steam pipe heating system.
- ☛ Automatic supply, weighing, and fuel injection; after the fuel injection is completed according to the set target amount, the auxiliary pipeline compressed air injection device will work immediately to clean the pipeline to prevent droplets from entering the material and condensation clogging the pipeline.
- ☛ Both manual/automatic transmissions can be operated.

产品参数表

Product parameter table

型号Model	功率Power(KW)	添加速度Add speed(L/MIN)	精度(目标百分百)Accuracy (Target 100%)
SYTZ50×2	2.2×3	50	≤0.2%
SYTZ100×2	2.2×3	100	≤0.2%

称重式喷涂机

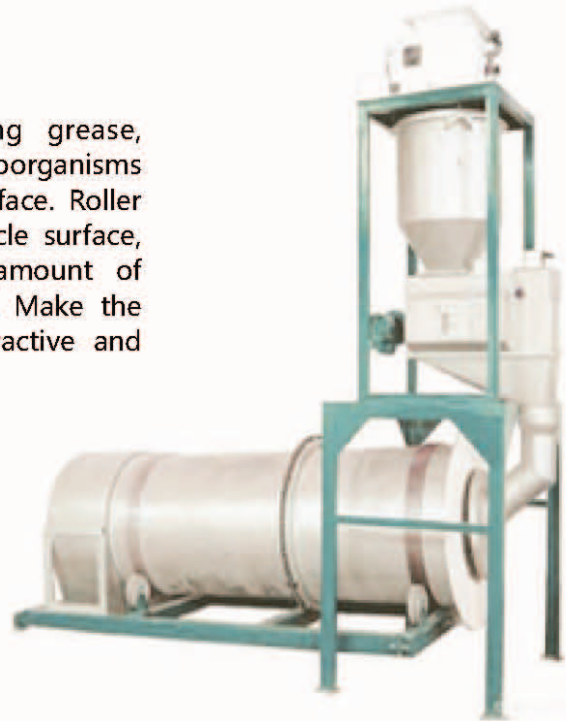
卓越的后添加技术，向颗粒表面喷涂油脂、酶制剂、维生素、有机酸、微生物等营养物质及药物。滚筒式喷涂、颗粒细微，与颗粒表面充分接触，喷涂均匀。电脑控制添加量，计量更精确。使颗粒产品影响均衡，更具诱食性和抗病能力。

- (1) 储液罐容量：1T
- (2) 添加齿轮泵电机功率：1.5KW
- (3) 添加量误差：±1%
- (4) 喷涂均匀率：96%
- (5) 添加量：0.04~0.14 t/h
- (6) 喷涂比例：2%~7%
- (7) 产量：2~20 t/h

Weighing spray machine

Excellent post-addition technology, spraying grease, enzyme preparations, vitamins, organic acids, microorganisms and other nutrients and drugs on the particle surface. Roller spraying, fine particles, full contact with the particle surface, uniform spraying. The computer controls the amount of addition and the measurement is more accurate. Make the impact of granular products balanced, more attractive and disease-resistant.

- (1) Liquid storage tank capacity: 1T
- (2) Add gear pump motor power: 1.5KW
- (3) Addition amount error: ±1%
- (4) Spraying uniformity rate: 96%
- (5) Adding amount: 0.04~0.14 t/h
- (6) Spraying ratio: 2%~7%
- (7) Output: 2~20 t/h



定量包装秤

- 闸门秤适宜颗粒料的包装，绞龙秤适宜粉状料的包装，皮带秤适宜颗粒料和粉状料的包装，根据物料形状不同可自由选择。
- 零位自动追踪，落差内码数字即时调校。
- 自动去皮，自动检测和修正误差。
- 支持生产定数定量管理，可与打印机计算机连接。
- 高精度托利多传感器。
- 根据需要，可选配不锈钢材质秤体。
- 封口输送机配置感应式自动断线工业封口机。



Quantitative packaging scale

- The gate scale is suitable for the packaging of granular materials, the auger scale is suitable for the packaging of powdery materials, and the belt scale is suitable for the packaging of granular materials and powdery materials. It can be freely selected according to the different shapes of the materials.
- Automatic tracking of zero position, and real-time adjustment of internal code numbers for gaps.
- Automatic peeling, automatic detection and correction of errors.
- Supports production fixed quantity and quantitative management, and can be connected to the printer and computer.
- High-precision Toledo sensor.
- According to needs, a stainless steel scale body can be selected.
- The sealing conveyor is equipped with an induction-type automatic disconnection industrial sealing machine.

产品参数表

型号	型号定义	包装精度	包装速度	包装规格 (KG)
BZCZ50	自动闸门单斗秤	静态 0.1%FS 动态 0.2%	350-450	20-50
BZCL50-1	双绞龙喂料单斗秤	静态 0.1%FS 动态 0.2%	300-500	20-50
BZCL50-2	双绞龙喂料双斗秤	静态 0.1%FS 动态 0.2%	400-600	20-50
BZCP50-1	皮带喂料单斗秤	静态 0.1%FS 动态 0.2%	300-500	20-50
BZCP50-2	皮带喂料双斗秤	静态 0.1%FS 动态 0.2%	500-700	20-50

Product parameter table

Model	Model	Packaging accuracy	packaging speed	Packaging specifications(KG)
BZCZ50	Automatic gate single bucket scale	Static 0.1%FS Dynamic 0.2%	350-450	20-50
BZCL50-1	Double auger feeding single bucket scale	Static 0.1%FS Dynamic 0.2%	300-500	20-50
BZCL50-2	Double auger feeding double bucket scale	Static 0.1%FS Dynamic 0.2%	400-600	20-50
BZCP50-1	Belt feeding single bucket scale	Static 0.1%FS Dynamic 0.2%	300-500	20-50
BZCP50-2	Belt feeding double bucket scale	Static 0.1%FS Dynamic 0.2%	500-700	20-50

电脑自动配料系统

- 配料系统组成：高精度变螺距出仓机、配料秤、珠海志美高精度称重仪表，托利多高精度称重传感器、圆弧放料门、台湾研祥研华工控机、台达LC、液晶显示器、佳能彩页色喷墨打印机；可对象设计，灵活组成一机一秤、一机两秤、一机三秤、一机多秤。
- 称重系统中选用珠海志美高精度仪表，托利多高精度传感器，配合特殊的回风减压装置和稳定的圆弧型秤斗放料门，保障配料精度达到静态/1000F.S，动态3/1000F.S。
- 断点记忆。
- 参数自定义人机界面互动性高。
- 存储1000种以上配方。
- 生产数据即时保存、汇总、查询、打印，故障自行诊断。
- 用户密码操作管理功能。
- 混合机、混合机放料门、混后刮板输送机组成自锁逻辑控制，杜绝混合机混合时进料、混合机重复排料等。



Computer automatic batching system

- The batching system consists of: high-precision variable pitch unloading machine, batching scale, Zhuhai Zhimei high-precision weighing instrument, Toledo high-precision weighing sensor, arc discharge door, Taiwan EVOIC Advantech industrial computer, Delta PLC, LCD Monitor, Canon color page color inkjet printer; can be designed as an object, and can be flexibly composed of one machine with one scale, one machine with two scales, one machine with three scales, and one machine with multiple scales.
- Zhuhai Zhimei high-precision instruments and Toledo high-precision sensors are used in the weighing system, combined with a special return air pressure reducing device and a stable arc-shaped weighing bucket discharge door to ensure that the batching accuracy reaches 1/1000F.S statically and dynamically 3/1000F.S.
- Breakpoint memory.
- The parameter-customized human-machine interface is highly interactive.
- Storage more than 1000 recipes.
- Production data can be saved, summarized, queried, and printed in real time, and faults can be self-diagnosed.
- User password operation management function.
- The mixer, mixer discharge door, and post-mixing scraper conveyor form a self-locking logic control to prevent the mixer from feeding materials during mixing and the mixer from repeatedly discharging materials.

旋转分配器

- 结构紧凑，定位精度高，进出料速度快，稳定可靠。
- 自动清理机内积尘，具有预置仓位，自动显示功能。

Rotary distributor

Compact structure, high positioning accuracy, fast feeding and discharging speed, stable and reliable.
Automatically cleans the dust accumulated in the machine, with preset positions and automatic display functions.



产品参数表

Product parameter table

型号 Model	功率 Power(KW)	产量 Capacity(t/h)	进料口直径 Feed port diameter(mm)
TFPX4	0.37	60-80	Φ220
TFPX6	0.37	60-80	Φ220
TFPX8	0.37	60-80	Φ220
TFPX10	0.37	60-80	Φ220
TFPX12	0.37	60-80	Φ220

气动三通

- ☛ TBDQY 系列圆三通是一种新型的粮食输送产品。
- ☛ 适用于饲料、面粉、食品、化工、采矿、冶金、水泥等行业控制物料流向。
- ☛ 采用气缸或手动推动，干净清洁，密闭性好，不易漏料，结构简单，安装方便。

Pneumatic diverter valve

- ☛ TBDQY series round tee is a new type of grain transportation product.
- ☛ Suitable for controlling material flow in feed, flour, food, chemical, mining, metallurgy, cement and other industries.
- ☛ It is driven by a cylinder or manually, which is clean, has good sealing performance, is not easy to leak materials, has a simple structure and is easy to install.

产品参数表

Product parameter table

型号Model	产量capacity(T/H)
TBDQY22X22	40
TBDQY22X22	40-60
TBDQY22X22	60-80



气动闸门

- ☛ TZMQ 系列气动闸门
- ☛ TSTD 系列电动闸门
- ☛ TZMS 系列手动闸门
- ☛ TZMQ series pneumatic gate
- ☛ TSTD series electric gate
- ☛ TZMS series manual gate

Pneumatic gate

产品参数表

Product parameter table

型号	Model	25	50
气动闸门	Pneumatic gate	TZMQ25×25	TZMQ50×50
电动闸门	electric gate	TSTD25×25	TSTD50×50
手动闸门	Manual gate	TZMS25×25	TZMS50×50



电控系统模拟屏

- ☛ 模拟屏采用丝网喷印直接印刷在电控柜上，直观操作，杜绝起泡、脱落、变形、褪色。
- ☛ 模拟屏上采用安全电压电压指示灯，更耐用，信号稳定不干扰。
- ☛ 模拟屏上显示提升机、混合机、粉碎机电流；提升机失速、仓位报警、投料等声光报警
- ☛ 模拟屏上设置手动控制、自动控制、试灯档、维修档、连锁档、解锁档、运行急停档。

Electronic control system simulation screen

- ☛ The analog screen is printed directly on the electric control cabinet using silk screen printing, which allows intuitive operation and prevents blistering, shedding, deformation and fading.
- ☛ The analog screen uses a safe voltage indicator light, which is more durable and the signal is stable without interference.
- ☛ The current of the elevator, mixer, and pulverizer is displayed on the simulation screen; there are audible and visual alarms such as elevator stall, position alarm, and feeding, etc.
- ☛ Manual control, automatic control, light test gear, maintenance gear, chain gear, unlock gear, and running emergency stop gear are set on the simulation screen.

电控系统标准电柜

电控柜、电器元件、桥架电线电缆

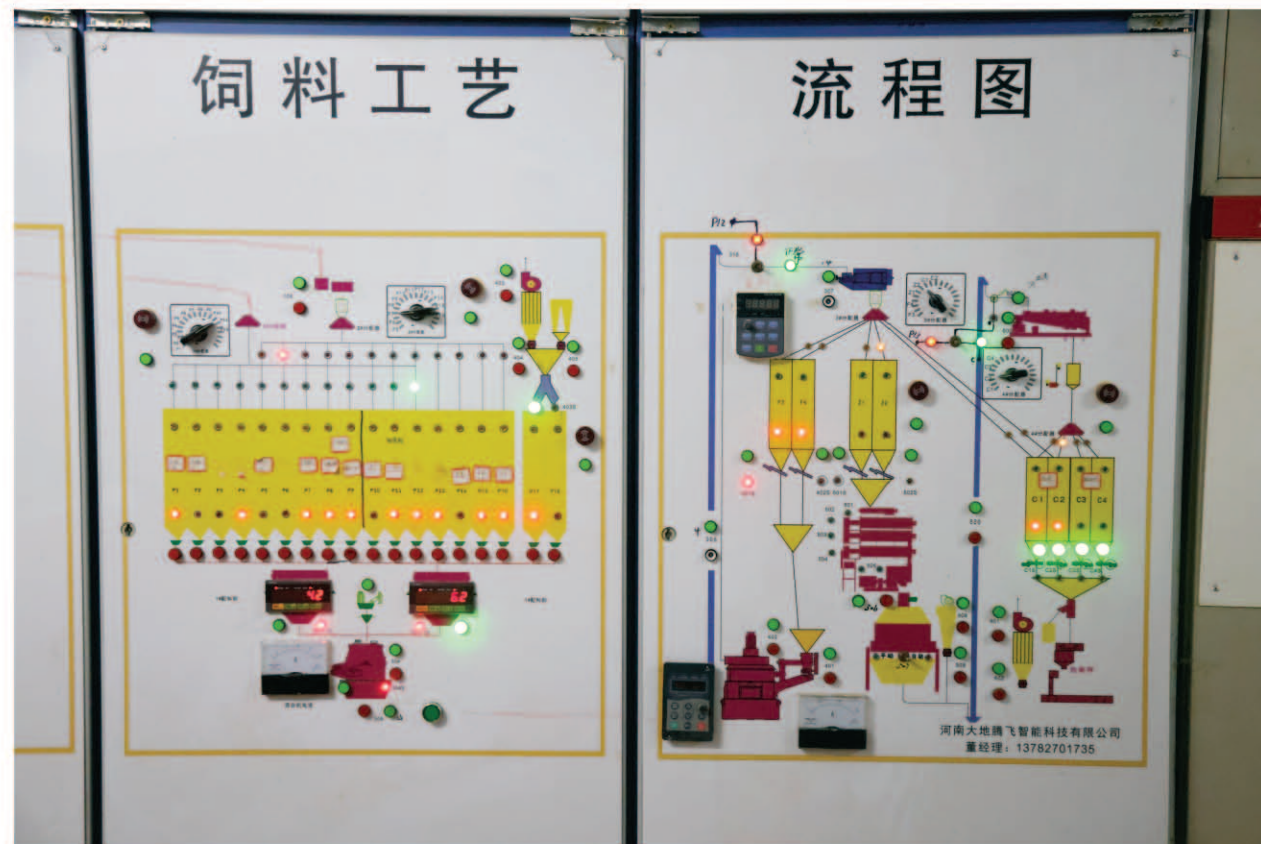
- ☛ 电控柜采用标准GGD 电柜，达到TP54 标准。
- ☛ 现场控制柜和现场急停柜采用标准喷塑电控柜。
- ☛ 电器元件11KW 以下采用西门子或施耐德，11KW 以上采用德力西或正泰。
- ☛ 桥架采用标准T 型2mm 喷塑桥架。
- ☛ 电线电缆采用国标电缆，所有进、出桥架电缆用专用接头与镀锌管连接，将电缆牵到接线盒，再使用接头与设备连接。

Standard electrical cabinet for electrical control system

- ☛ Electrical control cabinets, electrical components, bridge wires and cables
- ☛ The electric control cabinet adopts standard GGD electric cabinet and meets TP54 standard.
- ☛ The on-site control cabinet and on-site emergency stop cabinet adopt standard plastic spray electric control cabinets.
- ☛ Electrical components below 11KW are from Siemens or Schneider, and above 11KW are from Delixi or Chint.
- ☛ The bridge frame adopts a standard T-shaped 2mm plastic spray bridge frame.
- ☛ Wires and cables use national standard cables. All incoming and outgoing bridge cables are connected to galvanized pipes with special connectors. The cables are led to the junction box and then connected to the equipment using connectors.

电路设计

- ☛ 所有高压用电设备均采用低压启动/停止。
- ☛ 所有设备按照工艺流程按工段设计配套的电路，工段之间独立，工段内连锁控制，只能逆序启动顺序停止，通过解锁可实现单机设备启动停止。
- ☛ 所有单机设备均有过载、过流、断相、短路等多重保护功能。
- ☛ 18.5KW 以上电机，采用星-三角启动方式和变频软启动（选配）。
- ☛ 粉碎机为变频调速喂料，粉碎机正反转在中控室模拟屏上直接控制粉碎机气动翻板即可实现，远程控制方便操作，可选配粉碎机负荷自动控制。
- ☛ 制粒机为变频调速喂料，可选配制粒机负荷自动控制。
- ☛ 粉碎机、混合机、制粒机、碎粒机等大型设备采用安全启动设计，维修门未关时设备不能运转，可选配相应电度表。
- ☛ 所有设备运转状况、动作位置、仓位均有指示灯显示，并具备声光报警装置。



Circuit design

- ☛ All high-voltage electrical equipment uses low-voltage start/stop.
- ☛ All equipment is designed with supporting circuits according to the process flow and each work section. The work sections are independent, and the chain control within the work section can only start and stop in reverse order. Single machine equipment can be started/stopd through unlocking.
- ☛ All stand-alone devices have multiple protection functions such as overload, overcurrent, phase failure, and short circuit.
- ☛ Motors above 18.5KW adopt star-delta starting method and frequency conversion soft start (optional).
- ☛ The pulverizer adopts variable frequency speed-adjustable feeding. The forward and reverse rotation of the pulverizer can be realized by directly controlling the pneumatic flap of the pulverizer on the simulation screen in the central control room. Remote control is convenient for operation. Automatic pulverizer load control is optional.
- ☛ The granulator adopts frequency conversion speed regulation and can be equipped with automatic load control of the granulator.
- ☛ Large-scale equipment such as crushers, mixers, granulators, and granulators adopt safety start designs. The equipment cannot operate when the maintenance door is not closed. Corresponding electricity meters can be optional.



粮仓

* 粮仓，顾名思义储存粮食的仓库，粮仓的选择要利于粮食安全储藏、有一定的先进性、利于实现机械化、要适合先进储粮技术的实施。

Grain Silo

* As the name implies, grain silo is a silo for storing grain. The selection of grain silo should be conducive to food security storage, be advanced to a certain extent, be conducive to the realization of mechanization, and be suitable for the implementation of advanced grain storage technology.



全钢锥底筒仓
All steel cone bottom silo



水泥基础筒仓
Cement base silo

全钢锥底仓的构成

全钢锥底仓由3个部分组成：

- * 1、仓顶：包含仓顶圈、幅梁、盖板、仓顶护栏、人孔、自然通风窗等。
- * 2、仓筒：包含围板、立柱、仓门和仓门平台、内外爬梯及护栏等。
- * 3、锥底：环梁、锥底板、锥斗、立柱及拉筋等。



Structure of all steel cone bottom silo

The whole steel cone bottom silo is composed of three parts:

- * 1.Silo top: including silo top ring, beam, cover plate, silo top guardrail, manhole, natural ventilation window, etc.
- * 2. Silo barrel: including coaming, column, silo door and silo door platform, internal and external ladders and guardrails, etc.
- * 3. Cone bottom: ring beam, cone bottom plate, cone bucket, column and tie bar, etc.

水泥基础仓的分类

- * 根据基础形式不同，分为平底和锥底。
- * 锥底造价高，但出料依靠自然流动，无需辅助设备，且无存粮现象；
- * 平底基础造价相对低，但筒壁边缘有存粮，需借助辅助设备或人力进仓清理余粮。

Classification of cement base silos

- * According to different foundation forms, it can be divided into flat bottom and cone bottom.
- * The cost of cone bottom is high, but the discharge depends on natural flow, without auxiliary equipment and grain storage;
- * The cost of flat bottom foundation is relatively low, but there is grain storage at the edge of cylinder wall. it is necessary to use auxiliary equipment or manpower to enter the silo to clean up the surplus grain.



水泥平底仓
Cement flat bottom silo



水泥锥底仓
Cement cone bottom silo

仓顶的构造

* 仓顶幅梁是由C型钢制作而成，上部与仓顶圈连接，下部与仓筒立柱连接固定，幅梁之间由角钢组成横向连接，组成仓顶的骨架。仓顶盖板成扇形相互搭接，并使用螺栓固定于幅梁之上。自然通风窗根据筒仓的容积确定数量，均布于仓顶板上。部分筒仓配备测温系统，按照测温电缆的数量，将幅梁更换成H钢制作的测温梁，悬挂测温电缆。



Structure of silo top

* The roof beam is made of C-shaped steel, the upper part is connected with the top ring of the silo, the lower part is connected with the pillar of the silo, and the beam is horizontally connected by angle steel to form the framework of the silo top. The cover plates on the top of the silo are overlapped with each other in a fan shape and fixed on the beam with bolts. The number of natural ventilation windows is determined according to the volume of the silo, and they are all distributed on the top plate of the silo. Some silos are equipped with temperature measuring system, According to the number of temperature measuring cables, the beam is replaced with the temperature measuring beam made of H steel, and the temperature measuring cable is hung.





