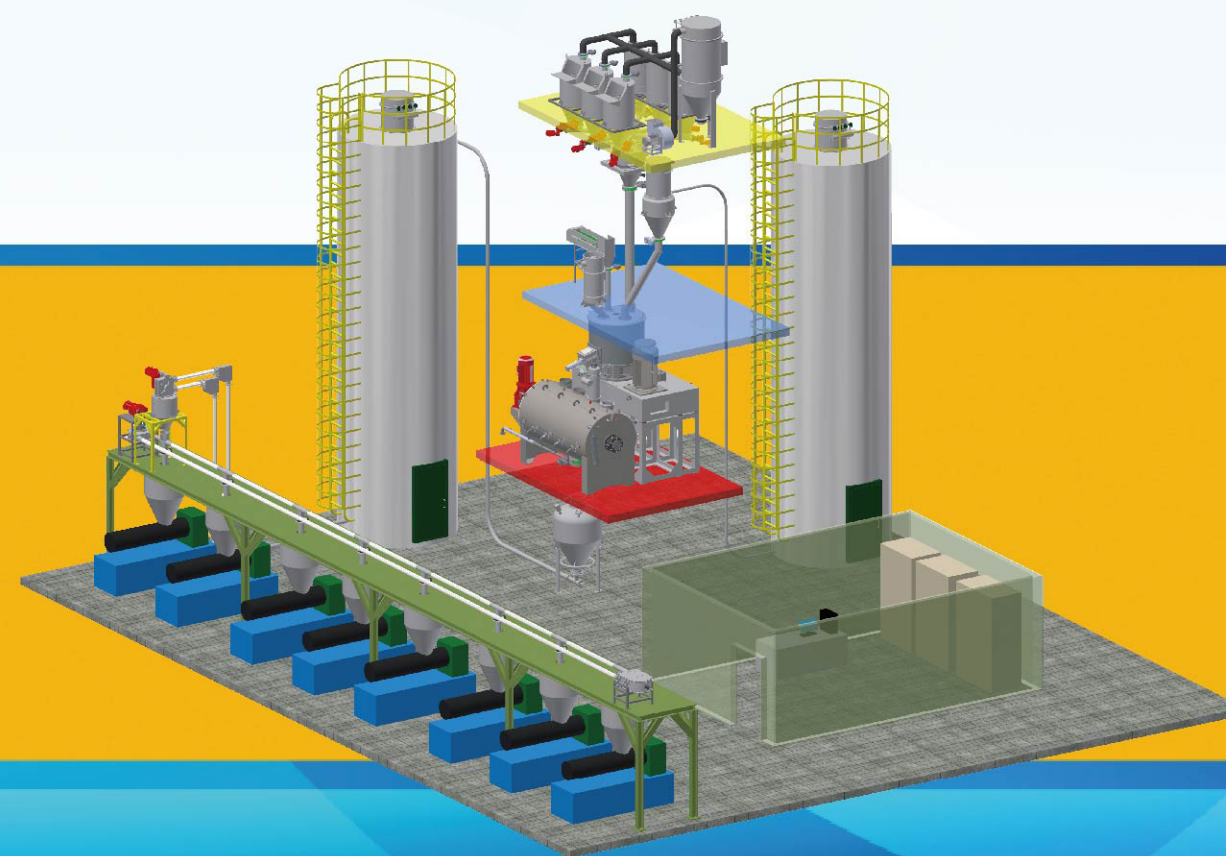




张家港嘉加利机械科技有限公司
ZHANGJIAGANG JIAJIALI MACHINERY & TECHNOLOGY CO.,LTD

苏州帕特纳机械设备有限公司
SUZHOU PARTNER MACHINERY EQUIPMENT CO.,LTD

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BRIEF INTRODUCTION OF COMPANY 企业简介

张家港嘉加利机械科技有限公司是从事塑料机械开发、研究和加工制造的专业企业之一，生产的主要产品有：全自动配混系统、集中供料系统、挤出生产线系列、各类混合机、配套的辅机系列以及塑料机械配件等。支持定制，产品广泛应用于市场，诚挚欢迎新老客户的莅临指导，也期待与您的合作！

Zhangjiagang Jiajiali Machinery Technology Co., Ltd. is one of the professional enterprises engaged in the development, research, and processing of plastic machinery. The main products produced include: fully automatic mixing systems, centralized feeding systems, extrusion production line series, various types of mixers, supporting auxiliary machine series, and plastic machinery accessories. Support customization, products are widely used in the market, sincerely welcome new and old customers to visit and guide, and look forward to working with you!



专业自动化系统制造商

**Professional
Automatic
System
Manufacturer**

BM SERIES AUTOMATIC POWDER MIXING PRODUCING LINE

BM系列全自动粉料混配生产线

该系统主要用于粉体料的输送，可采用负压、正压（稀相、密相）、计量（主料、辅料）、混合、集中仓储；并可根据现场情况采用负压或螺杆输送，将物料分配至各个机台料斗内。

全过程采用PLC集中控制，并可在上位机上集中监控。系统按需方生产工艺要求和厂房现况，可完成2000-100000吨/年生产能力。

The system is mainly used for powder conveying, can use negative pressure, positive pressure (dilute phase, dense phase), metering (main material, auxiliary materials), mixing, centralized storage; And according to the situation of the site using negative pressure or screw conveying, material distribution to each machine hopper. The whole process is controlled centrally by PLC and can be monitored centrally on the upper computer. According to the requirements of the production process and the current situation of the plant, the system can achieve the annual production capacity of 2000-100000 tons.



存储料仓
Storage Silo



小料称量
Additives Weigher



中央除尘器
Central Dust Collector



混合机组
Mixer Unit



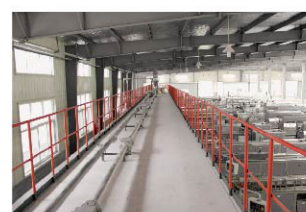
负压电子秤用于主料计量
Negative Pressure Electronic Scale



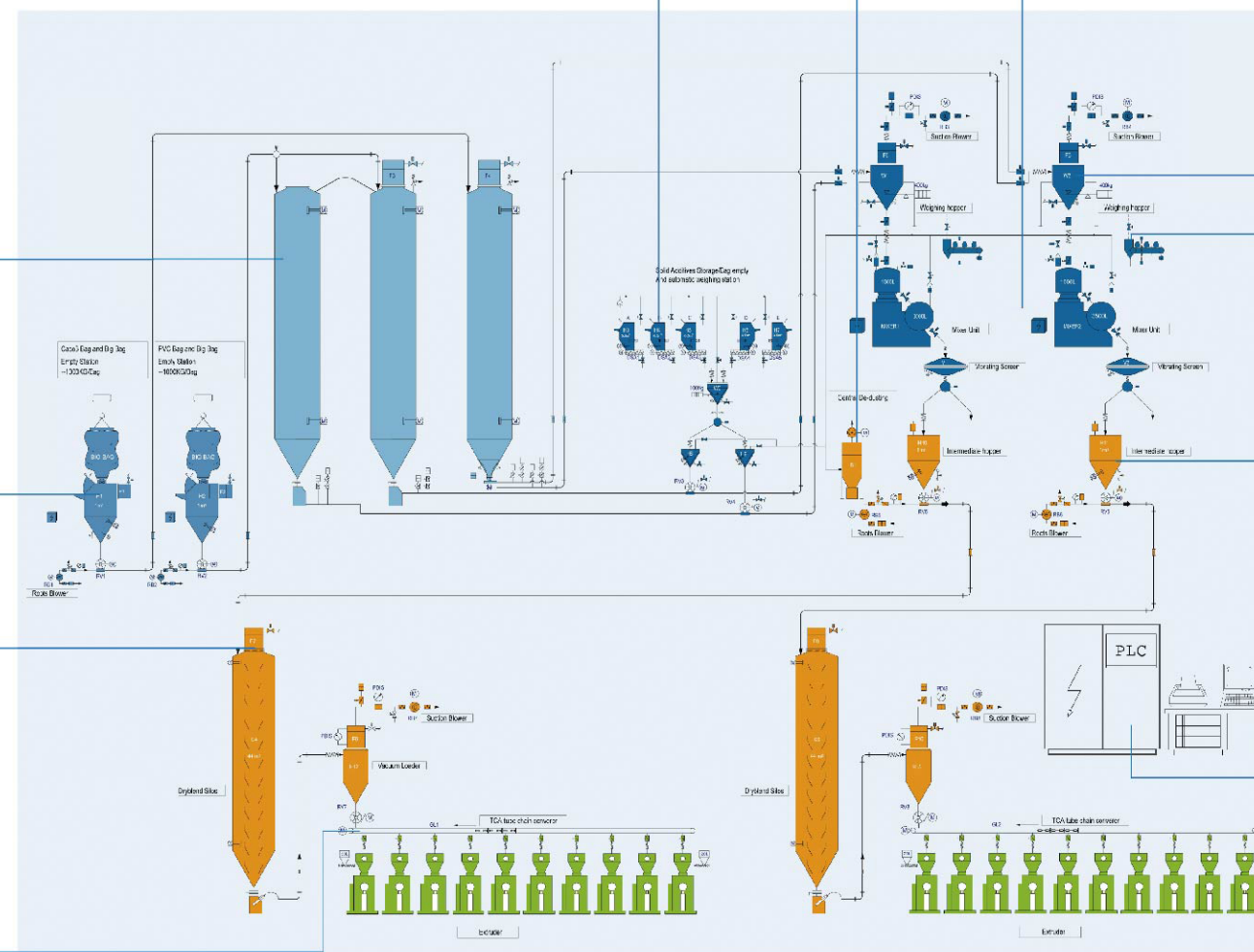
倒袋站
Bagging Station



料仓过滤器
Bin filter



挤出机供料
Extruder Feeding



微量料加料
Additives Feeding



中间料斗
Intermediat Hopper

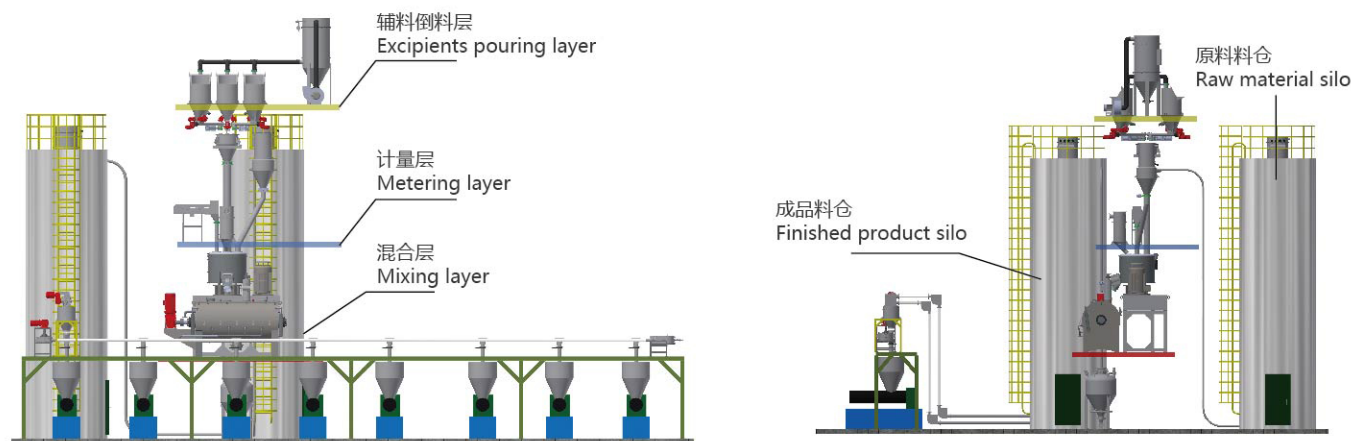
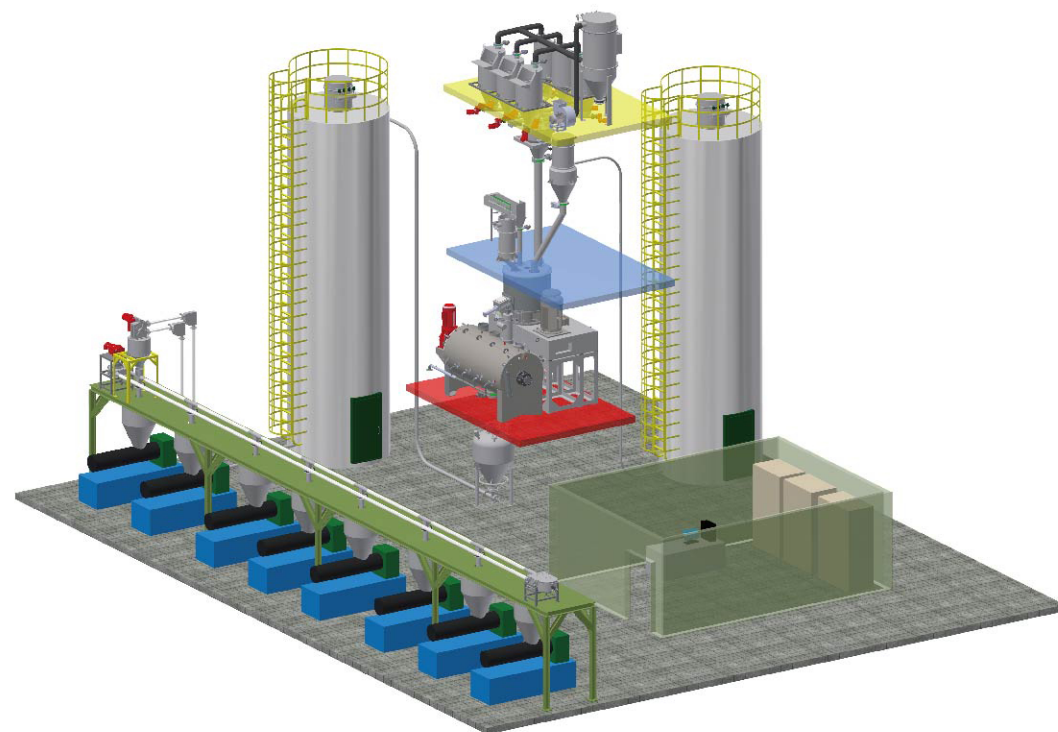


电控系统
Control Room



PVC AUTOMATIC MIXING & FEEDING SYSTEM

PVC全自动配混料系统(三维模型)



1. 采用工控PC机与PLC结合的全电脑控制系统, 可实现全程自动控制, 储存多组配方生产统计、随机打印、实时动态监控、故障报警, 多级密码保护等;
2. 采用美国托利多纹管式计量传感器和控制仪表, 动态稳定, 计量准确, 动态精度 $\pm 3\%$;
3. 采用了独特的气囊式卸料装置, 为您彻底消除粘性物料“架桥”的烦恼;
4. 采用系统压力平衡式集中除尘系统, 使每个泄露点的粉尘降低到量低;
5. 全封闭式物料输送系统, 防止物料的二次污染和环境污染;
6. 多种系统组合模式, 适应多种厂房条件。

1. Using computer control system of industrial PC combined with PLC, can realize the full automatic control, stores a plurality of groups of formula;
2. Adopting America Toledo bellows type measuring sensor and control meter, dynamic stability, accurate measurement, the dynamic accuracy of ± 3 per thousand;
3. Air bag type unique unloading device used, for you to eliminate viscous material "bridging" trouble;
4. The system pressure balance type centralized dedusting system, so that each dust reduced to low leak point;
5. Fully enclosed conveying system, two pollution preventing material and environmental pollution;
6. A variety of system combination model, to adapt to various plant conditions.

WEIGHTLESS FEEDING SYSTEM

失重喂料系统



系统简介:

- ◆失重喂料系统主要由投料站(或吨包解包站)、真空上料设备、补料仓、失重秤、液体失重秤五部分组成, 经控制系统精确计量喂料至下游设备。
- ◆工作方式一: 人工将物料投掷于投料站, 通过真空上料机将物料从投料站输送至补料仓, 再补料到失重秤, 由失重秤精确计量喂至挤出机等下游设备; 工作方式二: 将物料通过提升机送到补料仓所在楼层, 人工将物料投入到补料仓内, 由补料仓下料至失重秤内, 失重秤精确计量喂至挤出机等下游设备。

系统特点:

- ◆自动化程度高、能耗低, 有效降低工人劳动强度;
- ◆减少粉尘污染、优化车间环境;
- ◆实现配方的精确管理、确保产品的稳定性拆卸方便, 易于清理维护。

Brief introduction of the system:

The loss-in-weight feeding system mainly consists of five parts: material feeding station (or ton-bag unpacking station), vacuum feeding equipment, material feeding silo, loss-in-weight scale and liquid loss-in-weight scale, and materials are precisely measured and fed to the downstream equipment via the control system.

Working mode 1: manually throw the material into the feeding station, convey the material from the feeding station to the feeding silo through the vacuum feeding machine, then feed the material to the loss-in-weight scale, and accurately weigh the material by the loss-in-weight scale and feed the material to the downstream equipment such as extruder; working mode 2: feed the material to the floor where the feeding silo is located through lift, manually feed the material into the feeding silo, and feed the material via the feeding silo to the loss-in-weight scale, and loss-in-weight scale accurately weighs the material and feeds material to the downstream equipment such as extruders.

Characteristics of the system:

- ◆High degree of automation and low energy consumption effective reduction of labor intensity of workers;
- ◆Reduction of dust powder pollution and optimization of workshop environment;
- ◆Realization of precise management of formula and assurance of stability of products convenient disassembly and easy cleaning and maintenance.

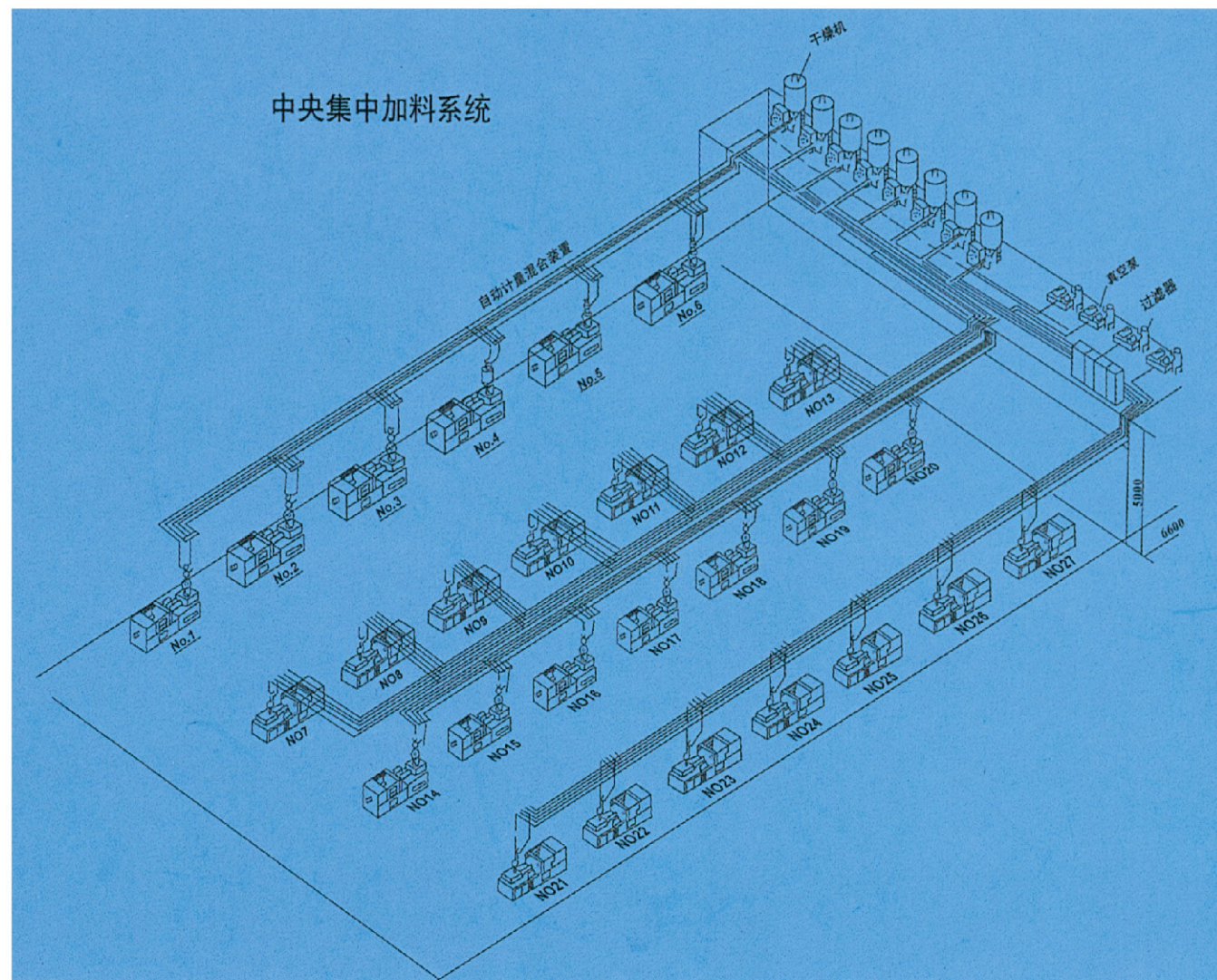


CENTRALIZED FEEDING SYSTEM

集中供料系统

应用及特点:

1. 微机集中自动控制, 实现了对粒、粉料的24小时的连续供料作业;
2. 多台小型微机分别控制各台成形机的着色工艺, 计量准确、混合均匀, 并可灵活改变颜色, 适应产品的多颜色、多品种要求;
3. 根据不同成形机的生产量, 灵活变更供料量;
4. 多个供料管道设计, 可保证对主料多样化的要求;
5. 具有多种监控及保护功能, 系统工作安全可靠;
6. 可按用户需要设计制造供料量超过1000kg/h, 上料高度超过10m, 输送距离大于100m以上的集中供料系统, 并可应用于除塑料行业以外的其他行业中。



Application and Features:

1. 24 hours continuous automatic feeding operation are centralized controlled by microcomputer;
2. Many small microcomputers control coloring technology accurately and regularly and flexibly change the color meet all kinds of demands;
3. In accordance of the production quantity flexibly change the feeding quantity;
4. Many feeding-pipe designs can guarantee the variety of main materials;
5. Work safely with many kinds of controller and protection;
6. Centralized feeding system can be made accordance with demands more than 10m convey distance is more than 100m can be used in other fields besides plastic field.



SRL-W SERIES HEATING/COOLING MIXER UNIT

SRL-W系列混合机组



SRL-Z SERIES HEATING/COOLING MIXER UNIT

SRL-Z系列混合机组



SHR SERIES HIGH SPEED MIXER

SHR 系列高速混合机



SHR-系列高速混合机 SHR-SERIES HIGH SPEED MIXER

主要技术参数 Main Technical Parameter

型号 Model	总容积 Total cubage(L)	有效容积 Effective cubage(L)	电机功率 Motor power(kw)	主轴转速 Rotation Speed(rpm)	卸料方式 Discharging Method	加热方式 Heating Method
SHR-10	10	7	3	0-2000	手动/气动 Manual/Pneumatic	自摩擦或电加热 Self-friction Electrical heating
SHR-25	25	18	5.5	0-1750		
SHR-50	50	35	11	0-1500	气动 Pneumatic	
SHR-100	100	70	22	0-1300		
SHR-200	200	140	45	0-1100		
SHR-300	300	210	55	0-950		
SHR-500	500	350	75	0-860		
SHR-800	800	560	110	0-740		
SHR-1000	1000	700	132	0-640		

SRL-Z系列立式混合机组 SRL-Z Series Heating/Cooling Mixer Unit

主要技术参数 Main Technical Parameter

型号 Model	总容积 Total cubage(L)	有效容积 Effective cubage(L)	电机功率 Motor power(kw)	主轴转速 Rotation Speed(rpm)	卸料方式 Discharging Method	加热方式 Heating Method
SRL-Z50/100	50/100	35/70	11/5.5	0-1500/180	气动 Pneumatic	自摩擦或电加热 Self-friction Electrical heating
SRL-Z100/200	100/200	70/140	22/7.5	0-1300/150		
SRL-Z200/500	200/500	140/250	45/11	0-1100/90		
SRL-Z300/600	300/600	210/420	55/11	0-950/90		
SRL-Z500/1000	500/1000	350/700	75/15	0-860/60		
SRL-Z800/1600	800/1600	560/1100	110/18.5	0-740/50		
SRL-Z1000/2000	1000/2000	700/1400	132/22	0-620/50		

SRL-W系列卧式混合机组 SRL-W Series Heating/Cooling Mixer Unit

主要技术参数 Main Technical Parameter

型号 Model	总容积 Total cubage(L)	有效容积 Effective cubage(L)	电机功率 Motor power(kw)	加热方式 Heating Method	冷却方式 Cooling Method	卸料方式 Discharging Method
SRL-W300/1000	300/1000	210/700	55/11	自摩擦或电加热 Self-friction Electrical heating	水冷 Water cooling	气动 Pneumatic
SRL-W500/1600	500/1600	350/1100	75/15			
SRL-W500/2000	500/2000	350/1400	75/22			
SRL-W800/2000	800/2000	560/1400	110/22			
SRL-W800/2500	800/2500	560/1750	110/30			
SRL-W1000/3000	1000/3000	700/2450	132/37			
SRL-W1500/4500	1500/4500	1050/3200	200/45			

AUTOMATIC AUXILIARY MATERIAL DOSING MACHINE 全自动辅料配方机

Features:

- ◇ Compact structure, small occupation space;
- ◇ Adopt high accuracy weighing transducer to ensure the weighing precision;
- ◇ Adopt frequency conversion motor to control the screw which can weigh small granule and additives;
- ◇ Equipped with formulation memory function which can store more than 100 kinds formulations;
- ◇ Accurate ingredients, fast speed, reduce the damage of chemical raw materials to human body.

Application:

PVC plastic products manufacturers, used to configure small materials;
Suitable for powder and granule batch weighing.



特点:

- ◇ 结构紧凑, 占地空间小;
- ◇ 可同时满足12种小料的精准计量称重;
- ◇ 采用高精度称重传感器, 确保称量精确;
- ◇ 变频电机驱动精密螺杆, 可计量细小粒子辅料和添加剂;
- ◇ 具有配方存储功能, 最多可存储100组以上配方;
- ◇ 配料准确无误, 速度快, 减少化工原料对人体的伤害。

应用:

广泛应用于塑料, 化工, 建材, 食品, 医药等行业, 用于各种粉、粒状辅料的批次精准称量。



TCA-TUBE CHAIN CONVEYOR

TCA型管链输送机

工作原理 working principle:

管链输送机又称管式拖链输送机，工作时，装有圆盘刮板的链条在封闭的管路中运动，依靠刮板推动物料沿管路向前输送，是一种节能、高效的连续输送设备。

Tube Chain conveyors is a new type of continuous mechanical conveyor, it is suitable for transportation of bulk solid material. Bulk solid material is conveyed in the tube by disks fixed on the chain in a definite distance. Compared with traditional mechanical conveyors such as screw conveyors, belt conveyors, TCC with advantage of lower power consumption, high efficiency, three dimension orientation ect.

管链输送系统应用领域 Application fields of tube chain conveying system:

塑料工业: PVC、PP、PE粉料, ABS、PC、PP、PE颗粒。 Plastic Industry: PVC、PP、PE Powder, ABS、PC、PP、PE Granulate.

化学工业: 染料、颜料、涂料、炭黑、钛色素、氧化铁、陶粉、重质碳酸钙、细颗粒碳酸钙、皂土、分子筛、瓷土、硅粉、活性炭等。

Industry of Chemicals: Dye, paints, coating, carbon black, titanium pigment, ferric oxide, ceramics powder, coarse whiting, fine particale calcium carbonate, bentonite, molecular sieve, kaolin, silica flower, active carbon and etc.

矿业: 尿素、氯化铵、碳酸氢铵、苏打粉、固态杀虫剂、钨粉、鱼油、铜矿粉、煤粉、块状磷酸盐、矾土等。

Mineral Industry: Urea, ammonium chloride, ammonium bicarbonate, soda power, solid pesticide, tungsten powder, fish oil, copper fine ore powder, coal powder, rock phosphate, alumina powder and etc.

建筑材料: 水泥、粘土、黄沙、石英砂、粘土粉、硅、石灰石粉、白云石粉、木屑、玻璃丝、二氧化硅、画粉等。

Building Material: Cement, clay, yellow sand, quartz sand, clay powder, silica, limestone flour, dolomite fines, Wood chips, fiberglass, silicon dioxide, French chalk and etc.

食品工业: 画粉、淀粉、谷类、奶粉、食物添加剂等。

Foodstuff Industry: Flour, starch, grain, milk powder, food additive and etc.

性能特点 Features:

结构紧凑，占用空间小，可以三维改变输送方向，不受地形、角度与高度的影响；

Compact size, small space required, could change conveying direction at horizontal, vertical and inclined orientation.

输送过程在密闭的管路中进行，物料无污染，无粉尘飞扬；

Dust, gas and pressure-tightness is easy to realize, Therefore no product contamination and dust free operation is possible.

输送过程平滑，物料间基本无内部运动，破损少，保证物料品质，适合磨蚀性物料；

Smooth moving, lower internal friction of particles, lower damage to material and suitable for abrasive material.

不会产生系统堵塞，适合输送多种形态的物料；

No tube blocking happens, large range material are suitable

对混合物料的输送，不会产生物料分层现象；

No segregation happens for mixed material

输送能力大，能耗低，大大降低设备运行成本；

High capacity and lower power consumption makes a lower operation cost

所有运动部件全部在密闭的空间内进行，安全、可靠；

All moving parts working in tube, high safety and high reliability

可实现远距离输送： Easily for long distance transportation.

可随意布置多个进、出料口，满足工艺要求；

Multiple material inlet and outlet is possible to meet different process

易于实现集中控制，提高自动化程度。

Easy to be integrated to an industrial plant for automatic working

使用条件 Working condition:

压力 Pressure: 1Mpa Absolute

温度 Temperature: -20℃ to 200℃

材料 Material:

管道 Tube、机壳 housing、链条 Chain、链轮 Sprocket: SS304, 链板

Disk: 尼龙 Nylon,

其他 (no material contact): 碳钢 Carbon steel painted



主要技术参数 Main Technical Parameter:

型号 Type	电机功率 Motor Power(kw)	管道规格 Pipe Size	转速 Speed(r/min)	输送能力 Capacity(m³/h)
TCA-80	0.37~3	DN80	6-30	0.3~5
TCA-100	0.4~4	DN100	6-30	0.45~8
TCA-125	0.55~5.5	DN125	6-25	3~19
TCA-150	2~7.5	DN150	8-20	5~27



TIPPING TYPE GRAVITY DIRECTIONAL CONTROL VALVE DVF

翻板式重力换向阀DVF

应用及特点:

用于粉、粒状物料从上游设备向下游设备重力下料时双向分配或汇集, 或低压力输送。翻板式阀板, 可带料换向。结构简单, 重量较轻, 适合于安装在输送管线上。

Application & Features:

As a distributing or collection unit for powders and granular materials which are gravity down from upstream equipment to downstream equipment. Or installed on pipe line for lower pressure pneumatic conveying.

Flap type rotor, diverting with product is possible. Simple structure, lower weight, easy for installed on pipeline for pneumatic conveying.



DISCHARGING TYPE ROTARY VALVE RVD

放料式旋转阀RVD

应用及特点:

安装于上下料斗或料斗与输送管线之间, 作为一种计量给料或可控重力下料装置使用, 也适合于粉状或粉料加粒状物料在气力输送系统中使用, 使用压差最高可达0.15Mpa。由于优化设计的进口口和转子, 进而提高了输送能力。不受转速和压力影响的高填充效率。

Application & Features:

As a metering and discharge valve under separators and bins, for powders, or as a feeding unit in pneumatic conveying systems. Suitable for pressure difference up to 0.15Mpa.

Maximized product capacity due to optimization of inlet and rotor volume. High filling efficiency independent of rpm and pressure.



SLIDE GATE VALVE SGV

插板阀SGV



应用:

用于料斗或料仓下面做为自动或手动切断装置, 切断固体物料从上游料斗/料仓向下游设备的流动。

Application:

as a manual or automatic closing facility under silo or bin outlet for stop flowing of bulk solid material.

特点:

结构简单, 重量轻, 不挂料, 密封性能好。

Features:

Simple structure and light weight, no product remaining and good seals.

VIBRATING DISCHARGER

振动卸料器

应用:

主要用于建材、化工、冶金、机械、陶瓷、粮食、食品、玻璃、塑料、橡胶、矿山、医药等行业。

Application:

Mainly used for building materials, chemical industry, metallurgy, machinery, ceramics, grain, food, glass, plastic, rubber, mining, pharmaceutical and other industries.

特点:

破拱性能好, 对于料仓内的各种粉状及粒状物料都能实现破拱和连续均匀排料, 可消除不同粒度、不同比重的混合物料在进入料仓时的偏析现象。

具有结构简单、重量轻、工作可靠、运转平稳、噪声小、动力消耗少、操作容易、易损件少、使用寿命长、维修工作量和生产率的调节范围大等优点。

适用于圆形、方形、钢质或混凝土的任何料仓。可以实现完全密封输送, 粉尘不外扬, 不污染环境。

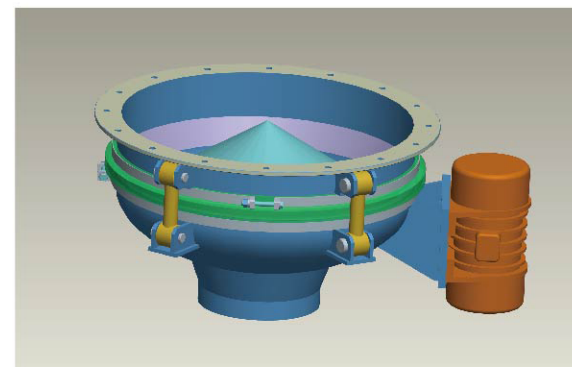
Features:

The performance for breaking arch is very good, widely used for discharging granular materials and powder materials in the hopper, it can eliminate the arch and keep continuously discharging, which can eliminate the segregation phenomenon caused by the different particle sizes and the different proportion of mixed materials.

Simple structure, light weight, reliable working, smooth running, low noise, low power consumption, easy operation, few are easily damaged, long life, low and less day-to-day maintenance work and adjustable productivity with big range.

It can be used for circle hopper, square hopper which made by steel or concrete.

It can transport materials in completely sealed condition, no dust come out, no environmental pollution.



TON BAG UNPACKING MACHINE 吨袋拆包机

应用及特点:

吨袋拆包机通过叉车或者电动葫芦提升吨袋至设备进口口, 人工或自动拆开吨袋下料口, 打开流量阀并辅以振动装置促使吨袋内的粉粒状物料依靠重力下落至贮斗中, 从而完成拆包卸料工作。吨袋拆包机可以确保以高效、无尘, 经济的方式从吨袋包装中卸下固体散料。

Application and Features:

The ton bag unloading station uses a forklift or electric hoist to lift the ton bag to the equipment inlet manually or automatically dismantle the ton bag discharge port, open the flow valve and assisted by a vibration device to make the powder and granular material in the ton bag fall to the in the hopper, the unpacking and unloading work is thus completed. The ton bag unpacking machine can ensure that solid bulk materials are unloaded from the ton bag in an efficient, dust-free and economical way.



VACUUM AUTOMATIC FEEDER

真空自动上料机

应用及特点:

本机采用真空气流输送原理, 安全可靠。适用于各种粉料及混合料的自动输送加料。可与各种规格 型号注塑机、挤出机直接配套使用。

Application and Features:

This machine adopt the principle of vacuum airflow conveying, which ensures safety and reliability. It is suitable for the automatic conveying and feeding of various materials and blended materials. It can be directly integrated with injection molding machines and extruders of different specifications and models.



主要技术参数 Main Technical Parameter

型号Model:			ZKF-300	ZKF-500	ZKF-800	ZKF-1000
电机功率 Motor power (kw)			2.2	5.5	7.5	11
输送能力 Feeding capacity (kg/h)	距离 Distance (M)	5	300	500	800	1000
		10	150	300	450	700
		15	-	—	360	500
输送软管内径Conveying hose ID (mm)			31	51	63	63
吸气软管内径Suction air hose ID (mm)			51	63	76	76

WEIGHT-LOSS METERING MIXING SYSTEM

失重计量混合系统



16-1600MM HDPE.PE.ABS WATER/GAS/MMP ELECTRICAL PIPE PRODUCTION LINE

16-1600MM HDPE水/燃气管/MPP电力管/PE.ABS卷芯管生产线



PVC GRANULATION UNIT

PVC造粒机组



PVC/WPC PROFILE PRODUCTION LINE

PVC/WPC异型材生产线



CRUSHER FOR PLASTIC

塑料破碎机



主要技术参数 Main Technical Parameter

型号	PC400	PC500	PC600	PC700	PC800	PC800	PC900	PC1000
功率(KW)	7.5	11	15	22	30	30	37	45
定刀数量(pcs)	2	2	4	4	4	4	4	4
动刀数量(pcs)	5	15	18	21	24	24	27	30
破碎能力(kg/h)	100-150	200-250	300-350	450-500	600-700	600-700	700-800	800-900
进料口直径(mm)	450*350	550*450	650*450	750*500	850*600	850*600	950*700	1050*800
机械重量(kg)	550	780	1550	1900	2600	2600	3600	4300
外形尺寸(mm)	900*780*1400	1100*880*1600	1400*1300*2450	1500*1400*2500	1550*1550*2450	1550*1550*2450	1700*1680*2860	1800*1760*2800

MF SERIES PLASTIC GRINDING MACHINE

MF 磨盘塑料磨粉机系列



主要技术参数 Main Technical Parameter

材料	SWM-400	SWM-500	SWM-600	SWM-800
刀盘	390±1	483±1	583±1	783±1
电机功率(kw)	30	37	45	75
重量(kg)	1000	1280	1680	2180
外型尺寸(mm)	1250*1500*1500	5600*1500*2900	5900*1600*3200	6200*2000*3500
产量(kg/h)	50-120	120-260	160-450	250-850

PLASTIC AUXILIARY EQUIPMENT

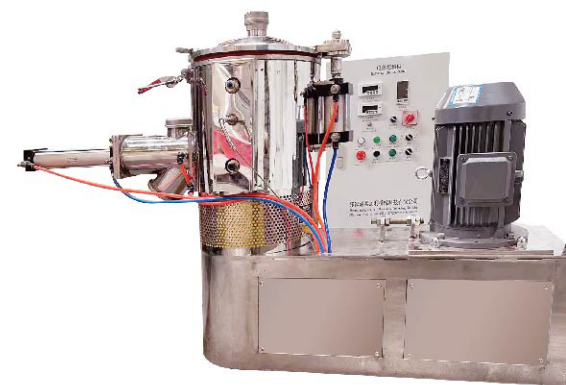
塑料辅机



SEMI AUTOMATIC PACKAGING MACHINE
半自动包装机



SHL-HORIZONTAL COOLING MIXER
SHL-卧式冷却混合机



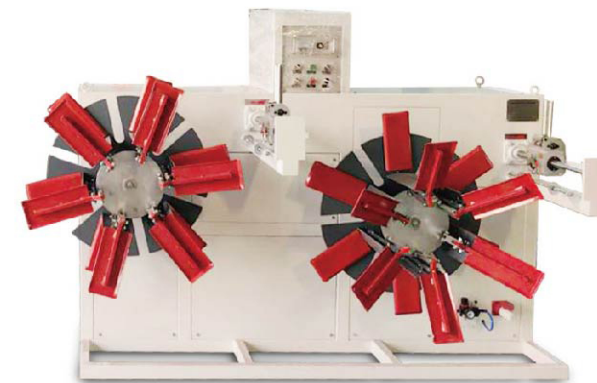
SHR-10 LABORATORY MIXER
SHR-10 实验室混合机



SH- MIXER
SH混合机



LSH-VERTICAL DRYING MIXER
LSH-立式干燥混合机



SZJ- DOUBLE DISK WINDER
SZJ-双盘收卷机