

JOINAUTOMATION MACHINERY TECHNOLOGY CO LTD



Joinautomation

PRODUCT OVERVIEW



25kg-50KG AUTO PACKING SYSTEM

- ☑ Design more and more kinds of bag placer model to adapt all kinds of bags.
- ☑ Realize automatic bag placer, bag filling and bag sealing, reduction labor cost.
- ☑ Packing capacity from 180 bags to 1200 bags per hour for choice.



5-1000KG BAG FILLING MACHINE

- ☑ Variety design for feeding device to adapt various of particles and powder.
- ☑ Modular design easy for selecting.
- ☑ High accuracy load cell and weighing indicator achieve $\pm 0.1\%$ high accuracy



AUTOMATICALLY BAG SEALING SERIES

- ☑ Various forms of modular combination suit for all kinds of bag sealing.
- ☑ Dust collection, heat bonding, flanging, cutter, stitching, variable combination suit for wide range of applications.



PALLETIZING SYSTEM

- ☑ Robot palletizing with low energy consumption and high efficiency
- ☑ Proficient in the advantages of KUKA, ABB, FANUC, KAWASAKI, YASKAWA, OKURA, FUJI etc...
- ☑ Application in the field of fertilizer, stock feed, fine chemical, food raw materials and so on.

COMPANY PROFILE

Joinautomation is a professional company manufacture automatic bagging, thermal sealing, bag stitching machine. We fabrication these machines and integrated with robot resource complete the whole bagging system in food, stock feed, fine chemical and fertilizer industry. We integrate R&D, fabrication, sales and service.

Over 20 years developing .

Our business philosophy is to make packaging simple and reliable.

Our vision is to create value for our customers.

Our mission is to realize intelligent less human factory.

Our products are exported to Southeast Asia, the Middle East, Europe and the United States, well received by users and enjoy a good reputation.

Joinautomation is located in Qingxian Economic Development Zone, covering an area of more than 100 mu, of which the company's plant and office building covers an area of about 80 mu, with a total investment of nearly 200 million RMB, and has 60 units of leading CNC machining centers, several units of milling machines, grinders, CNC machine tools and so on. In the process of continuous industry expansion, we acquired Thailand's topstar machinery in 2016, enriched the company's DCS series of bag filler products, and successfully set up an R & D center and marketing center in Shanghai, the most modern city in China.

Joinautomation specializes in the production of sealing, automatic packaging, conveying stand-alone and whole-line equipment suitable for various industries. Our company used to be the OEM supplier of Newlong Company in Japan, and the high quality of our products is the best way to reflect the value of us.

Joinautomation main products: 3CM series automatic bag packing machine and automatic conveying line equipment, GKS/BZR series heat sealing machine, GS-9 series / GK35 series sewing machine and so on, which are widely used in food, chemical, feed, grain, chemical fertilizer and other industries.

Joinautomation continuously improves and develops according to the market demand, and designs new products that meet the production needs of customers. Our R & D technology meets customer needs and provides the best solution.

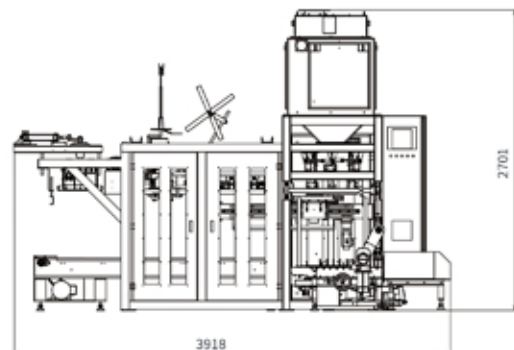
Joinautomation adheres to the business philosophy of people-oriented and common development. Strive to achieve win-win between enterprises and employees, enterprises and customers, enterprises and suppliers; if there is a win-win situation, there will be cooperation; if there is cooperation, there will be development; at the same time, we will provide customers with personalized transfer services and technical support, with excellent quality, to create a first-class brand.



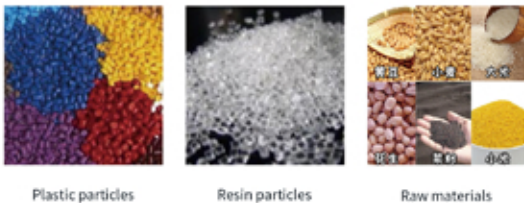
3CM-5B



- ✓ Power: 7.5KW
- ✓ Air consumption: 175N³/hour
- ✓ Packing weight: 20-50kg/bag
- ✓ Working capacity: 60-180bag/hour
- ✓ Bag material: Kraft bag, PE bag (T=0.18-0.25mm)
- ✓ Bag size: W(400-600)mm×H(700-1100)mm

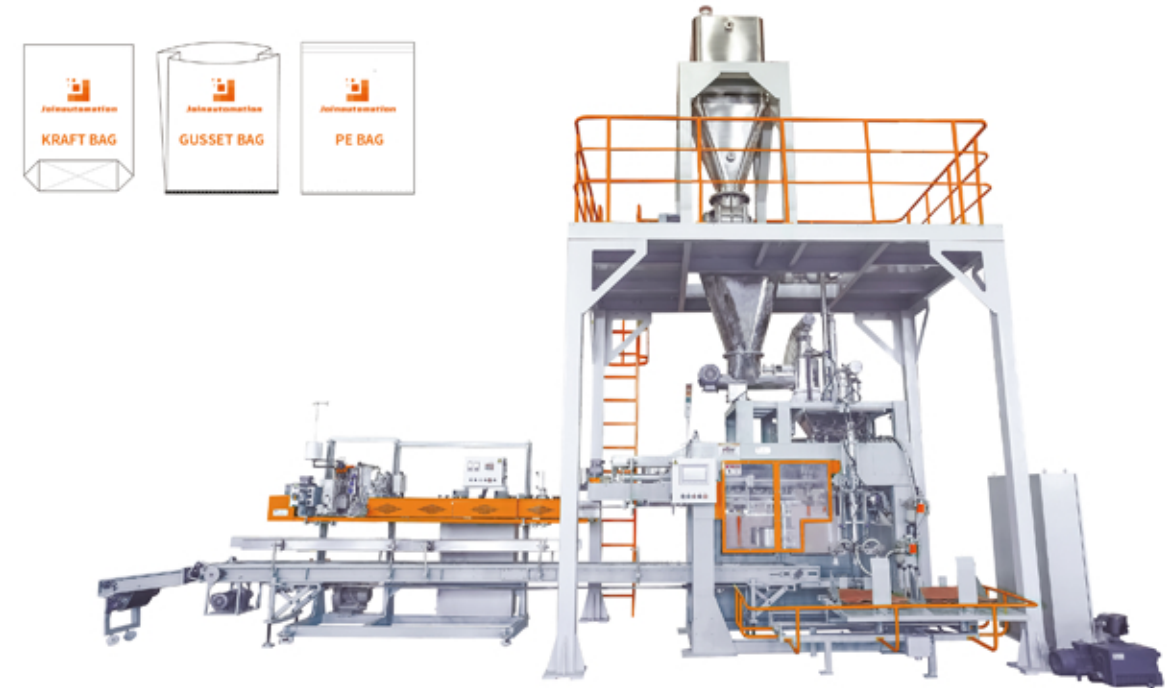


- ✓ Machine dimensions: 3920×3160×2200MM (include conveyor length)
- ✓ Compact design, modular structure, easy maintenance
- ✓ One machine can meet auto bag placer, bag filling, bag sealing and bag turner output complete function
- ✓ 1500mm height, Low bag clamp position design, suit for all old bag filler factory improve for automatically, no need any transformation.

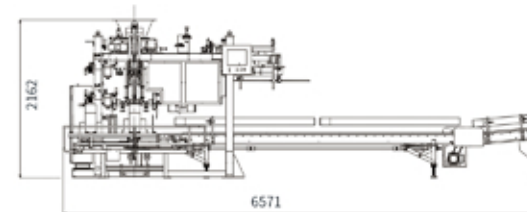


Plastic particles Resin particles Raw materials

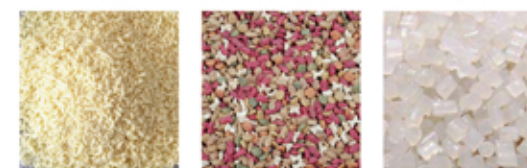
3CM-5U



- ✓ Power: 7.5KW
- ✓ Air consumption: 175Nm³/hour
- ✓ Packing weight: 20-50kg/bag
- ✓ Working capacity: 60-480bag/hour
- ✓ Bag size: W (400-600) mm×H(700-1100)mm
- ✓ Bag material: Kraft, PE bag (T=0.18-0.25mm), Gusset Woven bag with film

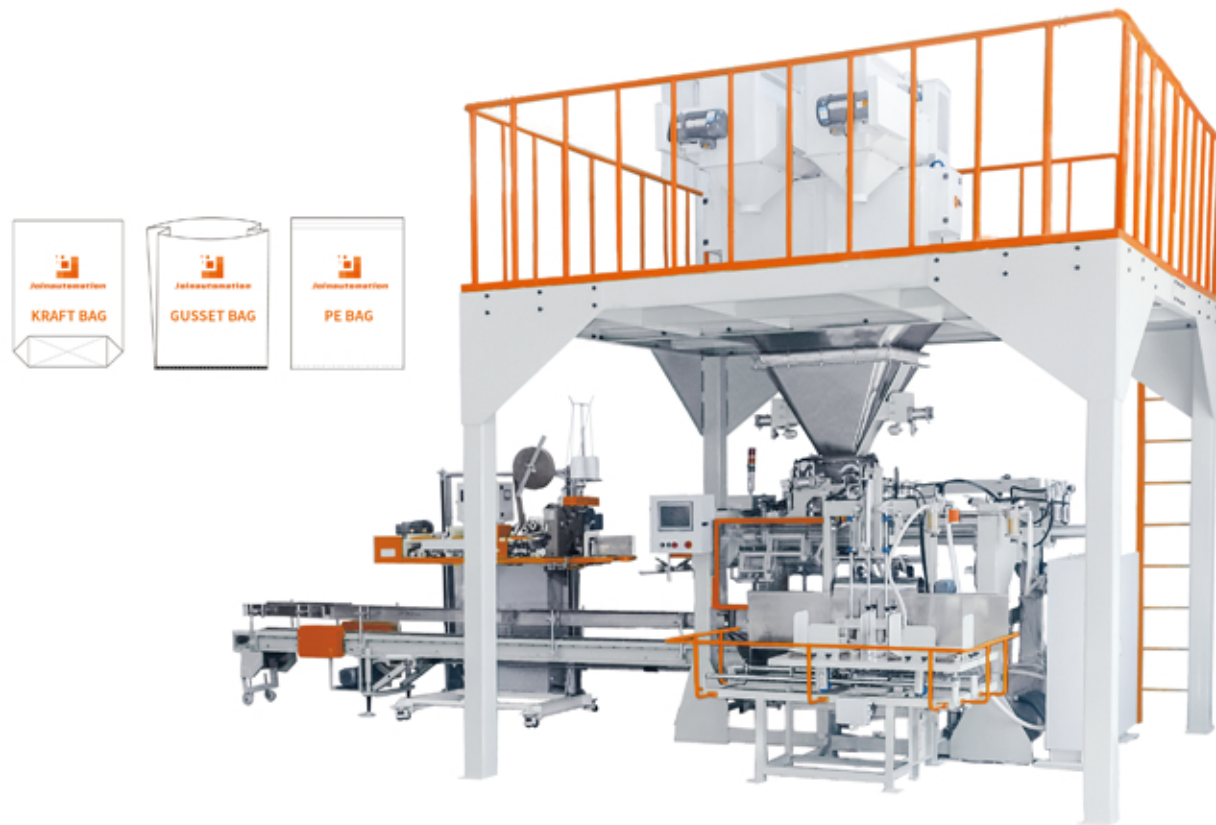


- ✓ Machine dimensions: 6570×2140×2170MM (include conveyor length)
- ✓ Special gripper design suit for gusset bag
- ✓ Classic design structure suit for almost all bag
- ✓ Special ending conveyor design easy for palletizing height adjustable, suit for more than 2 kinds of bags
- ✓ Negative pressure detection installed from bag placer to bag pick up to bag opening, to prevent spatter caused by unsuccessful bag opening in the packaging process

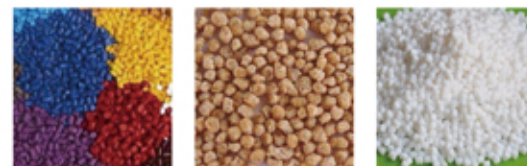
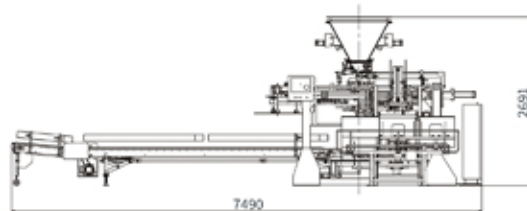


Chicken essence Pet food Granular material

3CM-P



- ✓ Power : 8KW
- ✓ Air consumption : 120Nm³/hour
- ✓ Packing weight : 20-50kg/bag
- ✓ Working capacity : 600-900bag/hour
- ✓ Bag size : W(400-600)mm×H(700-1100)mm
- ✓ Machine size : 7500×2800×2690mm
- ✓ Bag material : Kraft bag,PE bag (T=0.18-0.25mm), Gusset bag



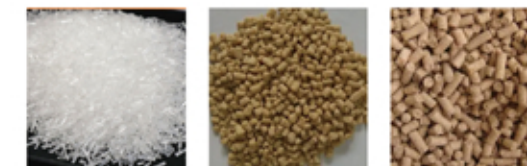
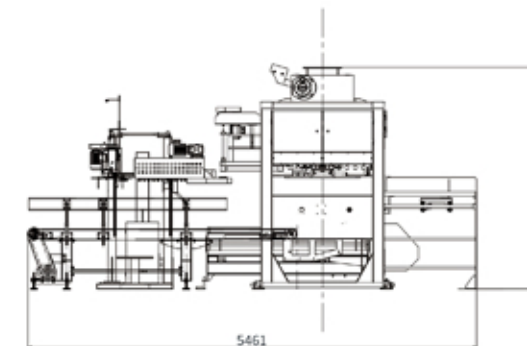
Plastic particles protein particles Granular material

- ✓ Machine dimensions: 7490×2620×2700MM (include conveyor length)
- ✓ 2 horizontal bag magazine hold 100 empty bag
- ✓ Adding a bag shaping station on the basis of 3CM-5U, bag open without waiting, Working capacity double increased. Ordinary model and servo model for choice. Up to 1200 bag per hour capacity
- ✓ 2 Vibration on both sides of the buffer hopper to prevent the material bridged. The main function for the buffer hopper is to reduce the air content in the material and to store another package of bag

GXB-1200



- ✓ Power : 15KW
- ✓ Air consumption : 175Nm³/hour
- ✓ Packing weight : 20-50kg/bag
- ✓ Working capacity : 600-1200bag/hour
- ✓ Bag size : W(400-600)mm×H(700-1100)mm
- ✓ Bag material : Kraft bag, PE bag (T=0.18-0.25mm), Woven bag with film, Gusset bag



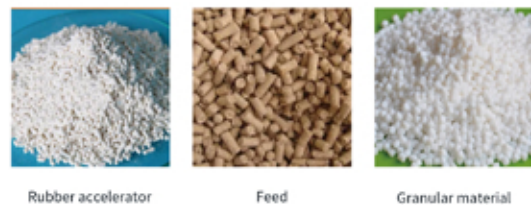
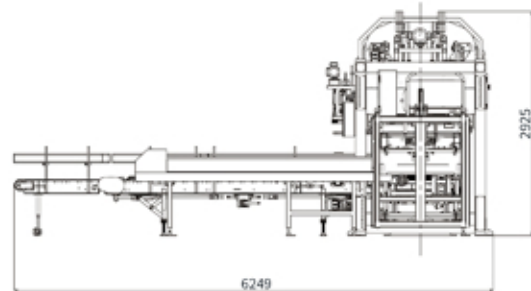
MSG Soy protein granules Feed

- ✓ Machine dimensions: 5470×3000×2700MM (include conveyor length)
- ✓ Widely used for all kinds of bags, such as woven bag with films, kraft bag, envelope bag, PE bag, etc. Capacity up to 1200 bag per hour.
- ✓ Vacuum detection for bag magazine, bag lack alarm ensure no stop for production
- ✓ Negative pressure detection unqualified bag identification system, when bag unqualified, bag blow away, when clamping bag no good, bag filler no discharging. Heavy design on the bag hug station to ensure mouth of the bag is in a front shape, Moving more stable and under control.

GXB-1000

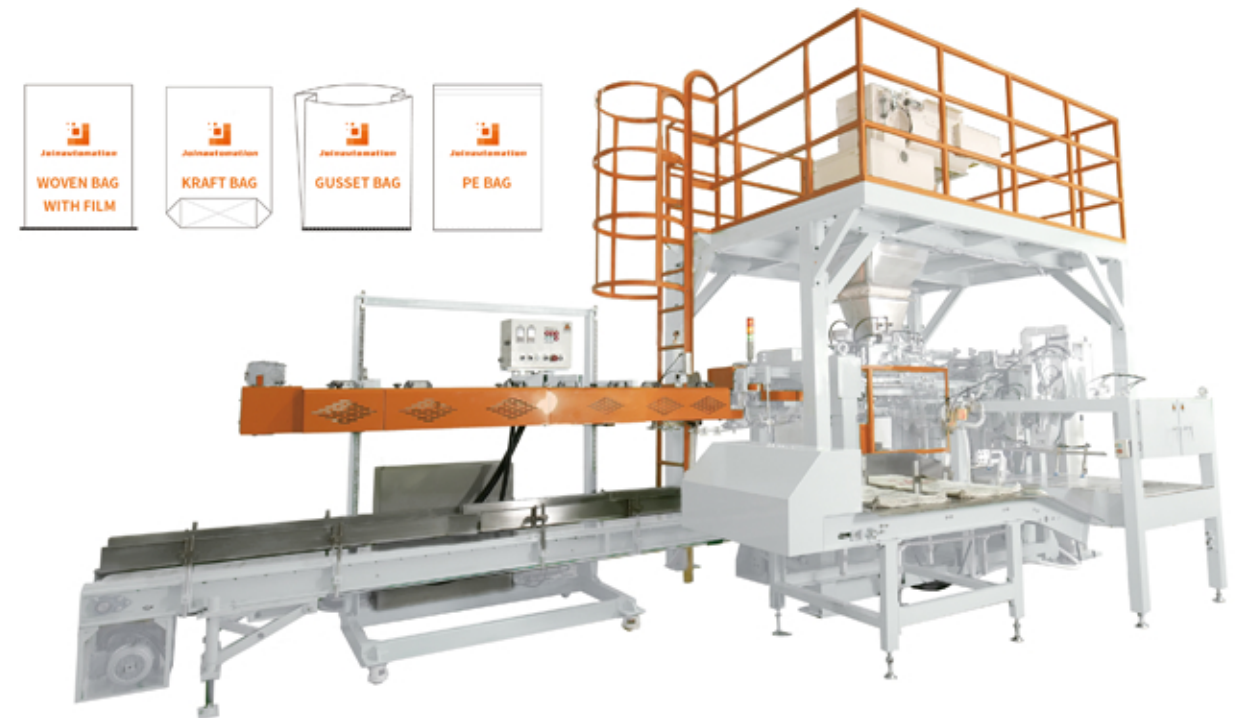


- ✓ Power: 12KW
- ✓ Air consumption: 175Nm³/hour
- ✓ Packing weight: 20-50kg/bag
- ✓ Working capacity: 600-1200bag/hour
- ✓ Bag size: W (400-600) mm × H(700-1100)mm
- ✓ Bag material: Kraft, PE bag (T=0.18-0.25mm), Gusset Woven bag with film

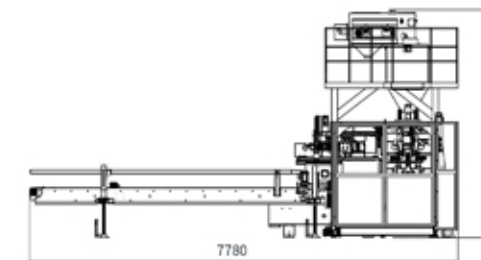


- ✓ Machine dimensions: 6250×4490×3000MM (include conveyor length)
- ✓ Multi-row design for bag magazine, 300 empty bag storage. Meet high capacity working condition.
- ✓ Chain mechanism separate empty bag, greatly improve the reliability of the bag supply.
- ✓ Servo motor control bag placer and bag holding, 2 independent swing arms complete the 2 actions, greatly improve packing speed.
- ✓ All joints installed high quality bearing extend machine service life.

GXB-1060



- ✓ Power: 3KW
- ✓ Air consumption: 45Nm³/hour
- ✓ Packing weight: 20-50kg/bag
- ✓ Working capacity: 60-600bag/hour
- ✓ Bag size: W (400-600) mm × H(700-1100)mm
- ✓ Bag material: Kraft, PE bag (T=0.18-0.25mm), Gusset bag, Woven bag with film



- ✓ Machine dimensions: 7800×2920×2290MM (include conveyor length)
- ✓ Back side bag pick-up structure, greatly improve the bag opening rate of soft bag.
- ✓ Chain mechanism separate empty bag, greatly improve the reliability of the bag supply.
- ✓ Special design on the bag clamp suit for powder material, no powder leakage and dust when filling.

BAG FILLING MACHINE



BELT FEEDER BAG FILLER



LOSS IN WEIGH BAG FILLER



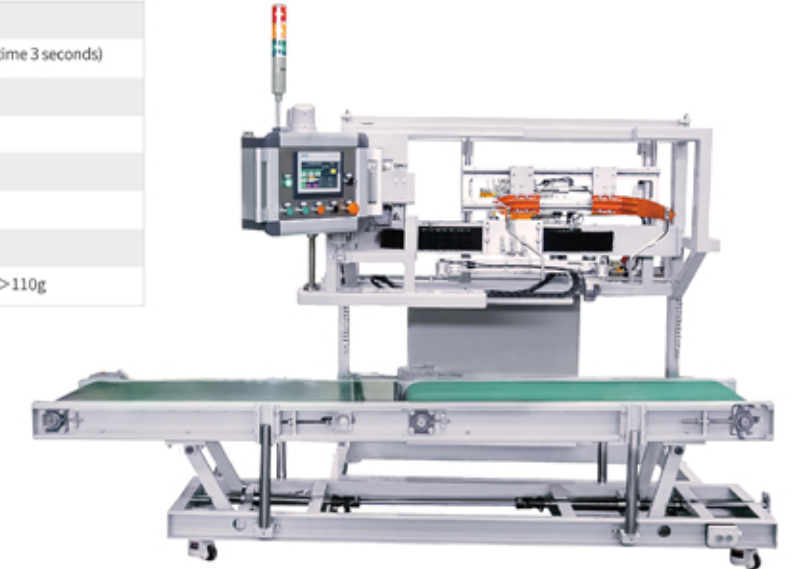
NET TYPE SCREW FEEDER BAG FILLRE



SERVO TYPE HIGH SPEED BAG FILLER

SEMI-AUTO BAG HOLDING MACHINE

Dimensions	3600×1150×1900mm
Packing speed	7-10bag/minute (unloading time 3 seconds)
Air pressure	0.5-0.7Mpa
Air consumption	10m3/h
Power	3Kw
Power supply	380V/50Hz
Bag type	open mouth bag
Applicable bag size	600×1000mm Bag weight>110g



ROBOTIC BAG HOLDING MACHINE

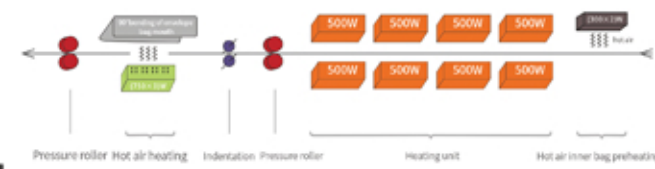
Dimensions	3600×1150×1900mm
Packing speed	7-10bag/minute (unloading time 3 seconds)
Air pressure	0.5-0.7Mpa
Air consumption	10m3/h
Power	4Kw
Power supply	380V/50Hz
Bag type	open mouth bag
Applicable bag size	600×1000mm Bag weight>110g



HEAT SEALING MACHINE

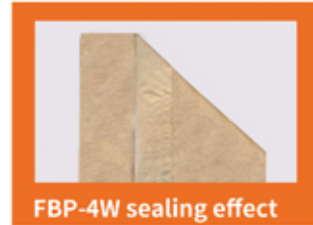
FBP-4W

Envelope bag sealing machine



Working process:

Inner bag hot air preheating → inner bag heating(4 sets heating block heating) → roller pressing → folding line creasing → 90°bending of envelope bag mouth → hot air heating(hot melt adhesive coating of the bag mouth) → roller pressing



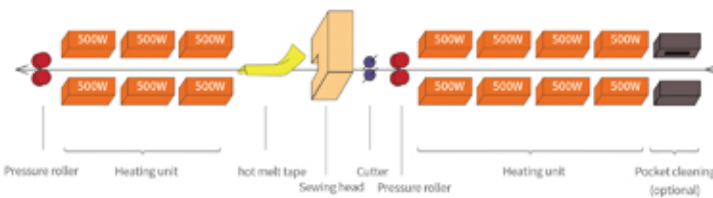
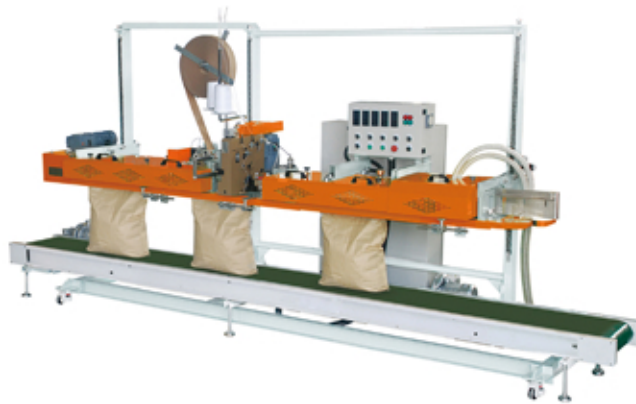
FBP-4W sealing effect



GKS-243D/232D sealing effect

GKS-232D/243D

Heating sealing machine

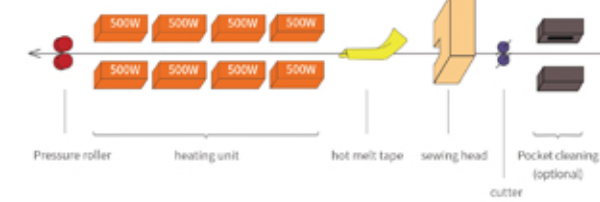


Working process:

Bag mouth cleaning(option) → inner bag heating(4 sets heating block heating) → roller pressing → cutter:trim bag mouth → sewing machine:outer bag sewing → hot melt tape → heating(3 sets heating block heating) → roller pressing

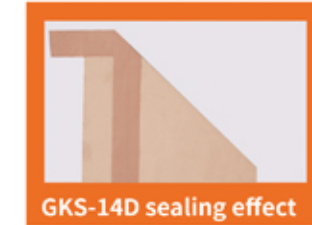
GKS-14D/16D

Paper bag with PE lining



Working process:

Cutter: trim bag mouth → bag mouth cleaning(option) → sewing machine:outer bag sewing → hot melt tape → inner bag heating(4 sets heating block heating) → roller pressing



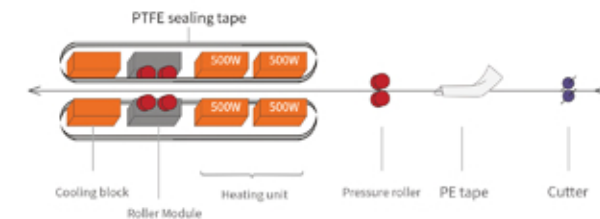
GKS-14D sealing effect



HS-22 sealing effect

HS-22

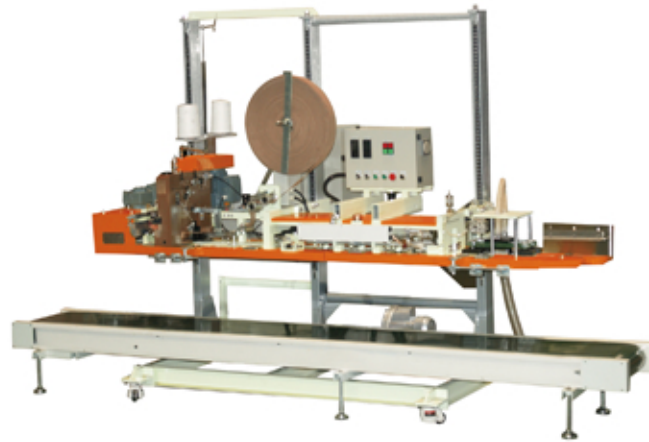
Paper bag with PE lining



Working process:

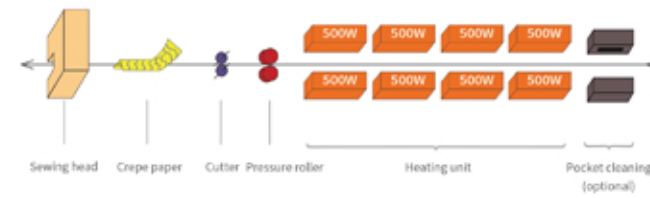
Cutter:trim bag mouth → PE tape → Roller pressing → heating(2 sets heating block heating) → roller pressing → plastic bag cooling(1 set cooling block)





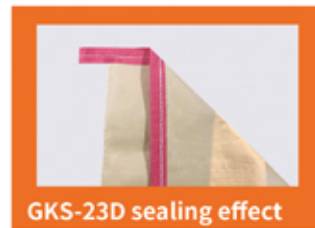
GKS-23D/24D

Heating sewing machine



Working process:

Bag mouth cleaning(option) → inner bag heating(3 sets heating block heating) → roller pressing → cutter:trim bag mouth → crepe paper strip → sewing machine:outer bag sewing



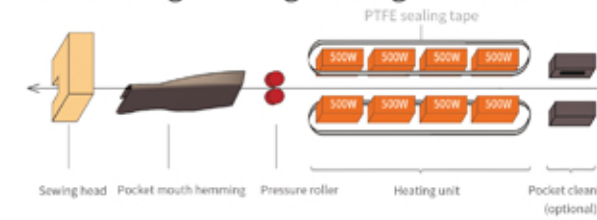
GKS-23D sealing effect



IMS sealing effect

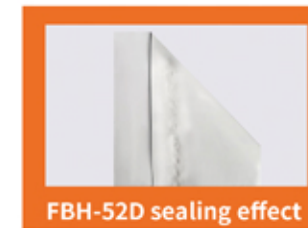
BZR-1/2/3

Woven bag heating sewing machine

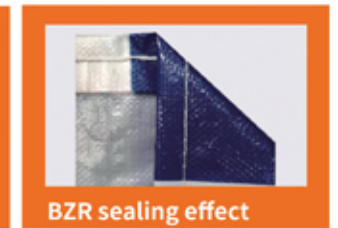


Working process:

Bag mouth cleaning(option) → cutter:trim bag mouth → inner bag heating(4 sets heating block heating:The PTFE sealing tape makes the heating block not in direct contact with the bag to protect the surface of the bag from sticking to the heating block) → roller pressing → crepe paper strip → sewing machine:outer bag sewing



FBH-52D sealing effect

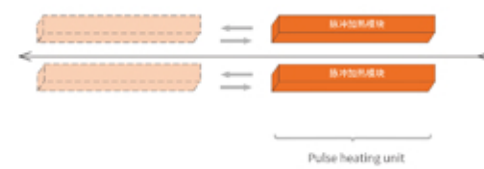


BZR sealing effect



IMS

Pulse heating sealing machine

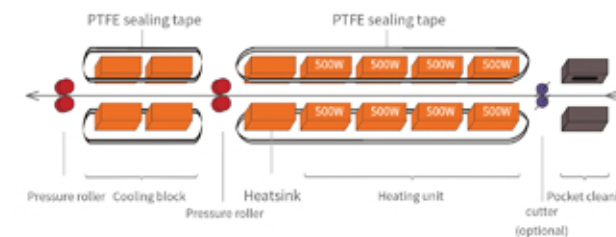


Working process:

Bag mouth cleaning(option) → inner bag heating(4 sets heating block heating) → roller pressing → cutter: trim bag mouth → hot melt tape → heating(3 sets heating block heating) → roller pressing

FBH-32D/42D/52D

Heavy duty auto sealing machine



Working process:

Bag mouth cleaning → cutter: trim bag mouth(option) → heating(3 sets heating block heating+1 set cooling block:The PTFE sealing tape makes the heating block not in direct contact with the bag to protect the surface of the bag from sticking to the heating block) → roller pressing → bag cooling(2 sets cooling block) → roller pressing



A1-PT3+GS-9C+GP4900-3



The automatic bag mouth packing machine is suitable for automatic sewing of kraft paper bags and plastic woven bags. This machine adopts photoelectric control, which can automatically and continuously complete the functions of trimming the mouth of kraft paper bags and plastic woven bags, wrapping crepe paper, sewing, cutting thread braids and other functions. The height of the machine can be adjusted according to the size of the packaging bag, and it is equipped with two Frequency converter, so that the speed of sewing machine and folding machine can be adjusted freely.

Sewing capacity	500-800bags/hour
Sewing height	720-1220mm(ground to the needle)
Brake motor cabinet	4P、3PH、0.75kW/0.4KW(depends on conveying speed)
Start-Stop	photoelectric control
Sewing head	GS-9C
Max speed	2700r/min
Stitch type	single needle double stitch chain
Cutting type	cylinder drive cutting
Air pressure	0.4MP/cm ²
Air consumption	3.5NL/min
Lubrication system	Automatic oil bath system (Shell Tellus No. 32 oil is recommended)
Oil volume	1700cc(about)
Pulley diameter	Φ100cm(can be customized)
Needle type	DR-H30#26
Thread specification	20/6 or 20/9 synthetic or cotton thread

A3-PT3+GK35-6A+GP6000-2+BQJ-D

The overall material is carbon steel, which is suitable for applications in various industries. Movable casters are convenient to move the equipment, and the base is strengthened to ensure the stability of the equipment. The whole plate is cut and welded, with beautiful appearance and reliable quality. The GS-9C bag sewing machine adopts a sealed built-in oil tank lubrication system. It is the fastest sewing machine on the market today. It is suitable for all kinds of bags; the speed can reach 25 m/min. The automatic labeling machine consists of a motor control system, a belt conveyor system, and a mechanical gripper system. The start and stop of the whole machine is controlled by a photoelectric switch, and its speed can be adjusted arbitrarily according to the speed of the production line, which is suitable for the automatic labeling of the bag mouth in various industries.



Sewing machine column GA3	Sewing head height	850-1500mm(ground to needle)		
	Motor power	0.55KW		
Auto sewing machine GS-9C	Max sewing speed	2700r/min		
	Working speed	2500r/min		
	Stitch adjusting range	7-10.5mm		
	Cutting type	paper bag cutting		
GP6000-2 chain type folding machine	Machine weight	42kg		
	Outlet size	410×250×400(mm)		
	Folding width	30-40mm	label width	55-75mm
	Bag feeding speed	7-18m/min	label length	95-130mm
	Speed reduction ratio	38 : 1	label thickness	0.1mm
	Motor power	0.18KW	label material	raft paper bag、offset paper
Machine weight	37kg	Outlet size	960×422×300(mm)	

A1-PT2+GS-9C+GP6000



GL conveyor adopts cycloidal pinwheel reducer deceleration source, adjustable strut, steel plate bracket, adjustable column and other components.

Suitable for matching bags of various sizes. And it is equipped with three frequency converters, so that the speed of the sewing machine, the folding machine and the conveyor can be adjusted freely.

Application industry: ideal special equipment for sewing and conveying bulk materials such as chemical, grain, building materials, feed, seeds, ports and docks after canning.

Model Item	GL(S)-2.5	GL(S)-3	GL(S)-4	GL(S)-4.5	GL(S)-5	GL(S)-6
Max conveying length	2500mm	3000mm	4000mm	4500mm	5000mm	6000mm
Belt width	400mm					
Speed	6500mm/min					
Load	60kg					
Conveying capacity	20000kg/h					
Driving motor	0.75Kw					
Voltage	380V 50Hz					
Outlet size	2.7×1×1.75	3.2×1×1.75	4.2×1×1.75	4.7×1×1.75	5.2×1×1.75	6.2×1×1.75

A3-PT3+GS-9C+GP6000-2+BQJ-H

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A1-PT2+GS-9C+GP1360



GL conveyor adopts cycloidal pinwheel reducer deceleration source, adjustable strut, steel plate bracket, adjustable column and other components.

Suitable for matching bags of various sizes. And it is equipped with three frequency converters, so that the speed of the sewing machine, the folding machine and the conveyor can be adjusted freely.

The function of reverse folding is added, aiming at the fertilizer industry to prevent bag bursting.

Application industry: ideal special equipment for sewing and conveying bulk materials such as chemical, grain, building materials, feed, seeds, ports and docks after canning.

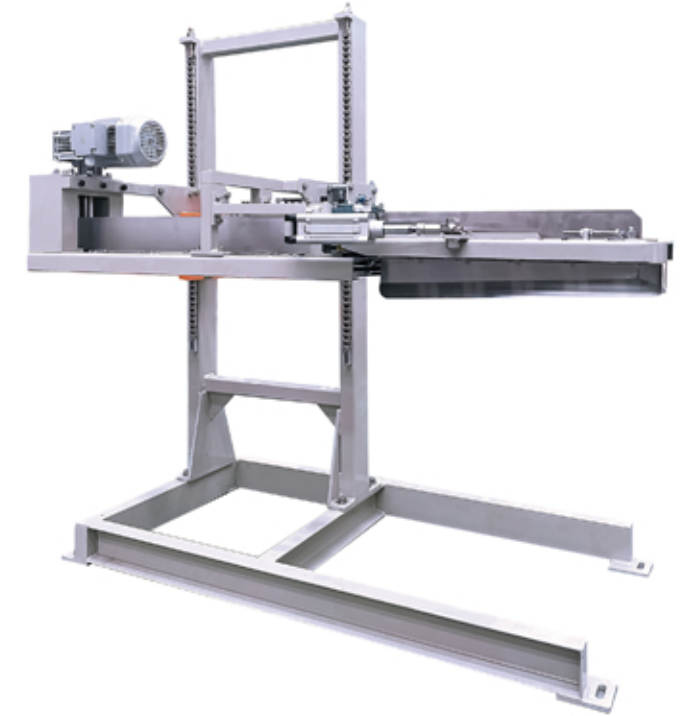
Model Item	GL(S)-2.5	GL(S)-3	GL(S)-4	GL(S)-4.5	GL(S)-5	GL(S)-6
Max conveying length	2500mm	3000mm	4000mm	4500mm	5000mm	6000mm
Belt width	400mm					
Speed	6500mm/min					
Load	60kg					
Conveying capacity	20000kg/h					
Driving motor	0.75Kw					
Voltage	380V 50Hz					
Outlet size	2.7×1×1.75	3.2×1×1.75	4.2×1×1.75	4.7×1×1.75	5.2×1×1.75	6.2×1×1.75

AUTO BAG FEEDING MACHINE

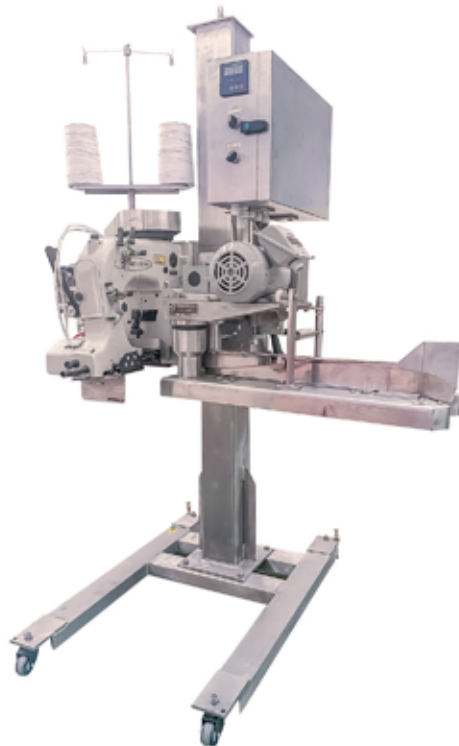
This model is a special model for automatic bag clamping and bag feeding. It is suitable for working with multi-station weighing scales. The front-end bag-clamping mechanism transmits the packaging bag to the bag-feeding mechanism through photoelectric induction, and sends it to the back-end sealing equipment to complete the packaging bag sealing. Work.

- Clear the filled bag and feeding to sewing machine
- Save one operator labor
- A bridge between bag filler and sewing machine

Material	carbon steel
Bag feeding speed	6-10m/min
Motor power	0.37KW
Cylinder	AIRTAC/SMC
Machine weight	150kg



A2+PW+GK35-6A+GP4900



Automatic bag mouth folding and sewing machine is suitable for automatic folding and sewing of kraft paper bags or plastic woven bag mouths. Processes such as edge, stitching, trimming and thread cutting. Its air supply system realizes thread cutting. The height of the machine can be adjusted according to the size of the package. It can be combined with a conveyor to form an automatic production line, which is widely used in food, feed, chemical and other industries.

Sewing height	770-1220mm(ground to the needle)
Start-Stop	photoelectric control
Sewing head	GK35-6A
Max speed	2000r/min
Stitch type	single needle double stitch chain
Cutting type	cylinder drive cutting
Air pressure	0.4MP/cm ²
Air consumption	3.5NL/min
Pulley diameter	Φ114mm
Needle type	80800(200-250#)
Thread specification	20/6 or 20/9 synthetic or cotton thread

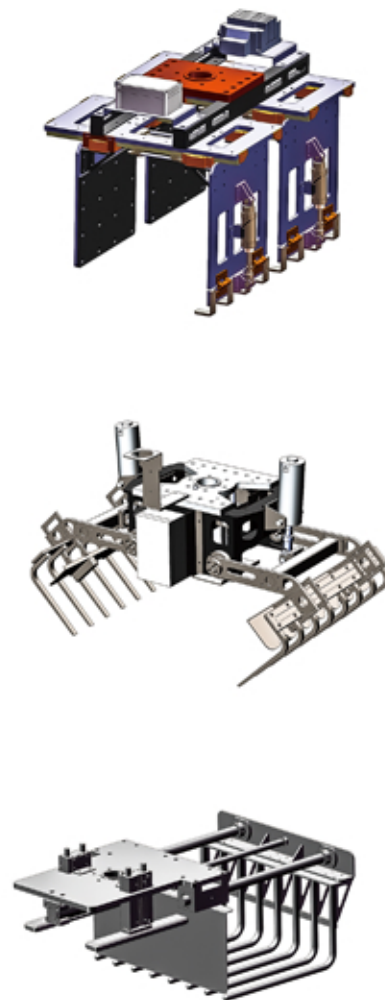
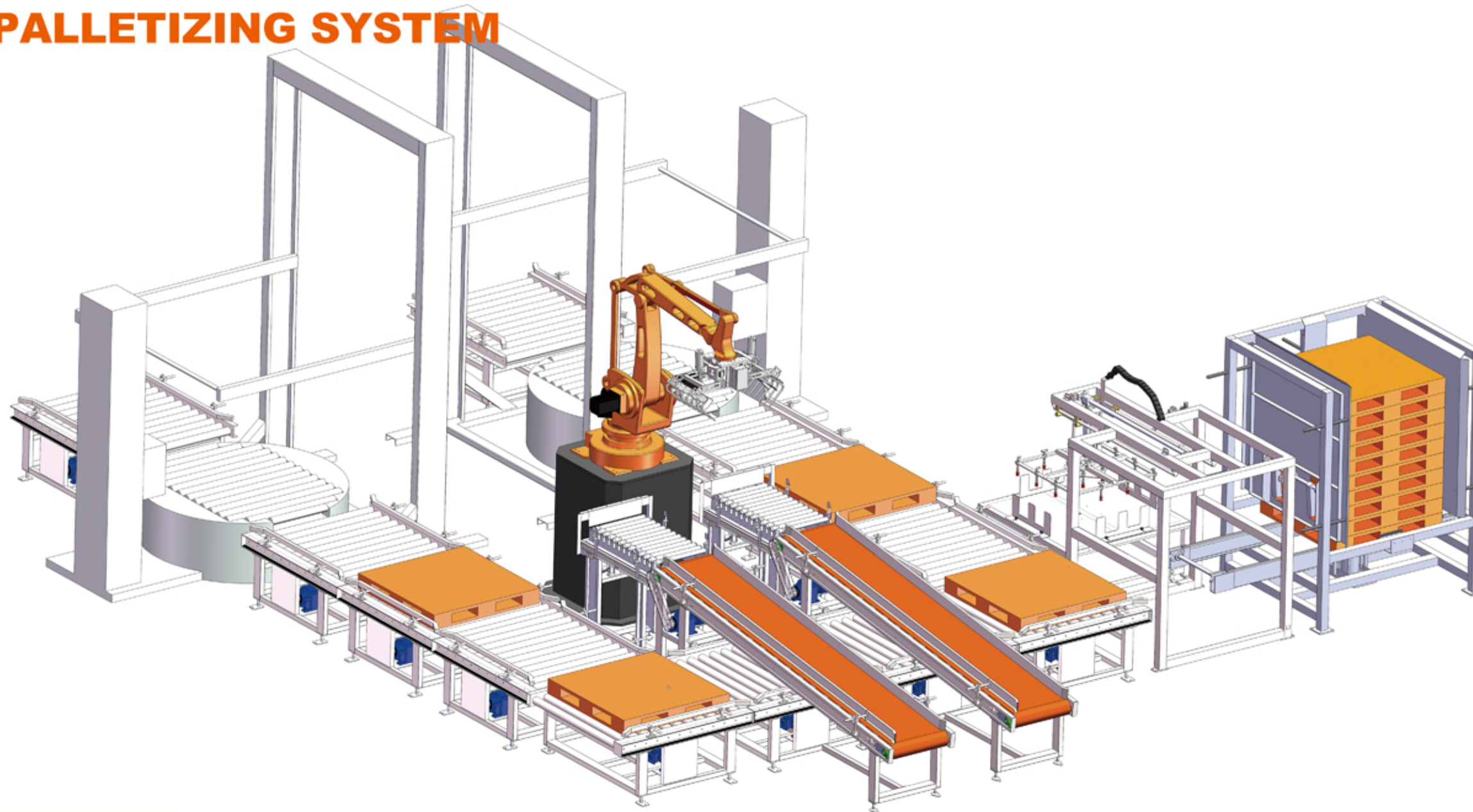
For powders with particles ≥ 100 meshes, a spiral precipitation filter can be configured to recover the powder and protect the vacuum pump. This series of multi-functional air-extraction and modified-atmosphere packaging machines have complete functions, which can be used for air-sealing packaging in a single room, and can also be used for packaging that is filled with inert gas after vacuuming. The machine adopts an external extraction type double air extraction nozzle mechanism, which is not limited by the size of the vacuum chamber and has a wide range of applications. It is suitable for the packaging of items with low vacuum requirements and high inflatable purity. If you need to pack heavy and large items, you can choose the DZQ-600L/D model. The machine head of this model can be raised and lowered at any height within the allowable range. It is suitable for large packages, up to ton bags.

Item	Model	DZQ-600L(DS)	DZQ-800L(DS)	DZQ-1000L(DS)
Power supply(V/Hz)		AC 380/50 220/50	AC 380/50 220/50	AC 380/50 220/50
Vacuum pump motor power(w)		750	750	750
Heating power(W)		500 (600)	600 (1000)	800 (1500)
Heating length(mm)		600	800	1000
Heating height(mm)		10	10	10
Heating center to ground(mm)		900-1500	900-1500	900-1500
Vacuum pump exhaust volume(m ³ /h)		20	20	20
Film thickness(single layer)(mm)		≤ 0.18	≤ 0.18	≤ 0.18
Outlet size(L×W×H)(mm)		1125×1075×215	1125×1075×215	1125×1075×215
Net weight(kg)		305	325	330

DZQ-600



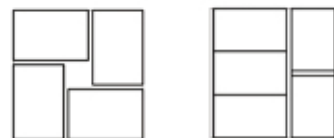
PALLETIZING SYSTEM



Advantages

- ✔ Programmable various palletizing pattern
- ✔ Maximum palletizing height up to 2300mm
- ✔ Pick up working capacity up to 1200 packages per hour
- ✔ Complete safety fence to ensure safe and reliable operation
- ✔ Compact design make quick installation and commissioning
- ✔ Various gripper forms able to take bags, boxes, pallets and cardboard
- ✔ Robot option choice for KUKA, ABB, FANUC, KAWASAKI, YASKAWA, OKURA, FUJI

Pallet pattern





035031



304071



106083



033121



303121



032012A



106032C



063072A



102134A



104123



350714



033221



034014A



254261



301061A



301061A



033312



CP4117



BZR-1039



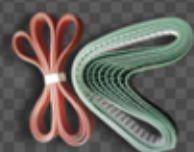
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HL 2116



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