# PACKING SOLUTION



# DCS-1A Semiautomatic Auger Filling Machine

## **Descriptive abstract:**

This type can do measuring and filling work. Due to the special design, so it fits more to the fluidic or low-fluidity materials, like solid drink, white sugar, dextrose, coffee powder, fodder, pharmaceuticals, agriculture pesticide, granular additive, dyestuff, and so on.

### **Characteristics:**

- The hopper could be washed without toolings.
- Weight feedback to run after the specific weight.
- Save the parameter of each product to later use. 10 sets of magistral fomula save at the most.
- Fit for lots of material range from fine-powder to granule, if change the auger attachment. Dust-collector set on dust material situation to absorb dust spout out.
- DCS-1A-10

Painted steel horse and other is made of stainless steel material Normal motor, clutch & coder drive screw. PCB, LED & Film Switch control. DCS-1A-21

All made of stainless steel material Servo motor drive screw. PCB, LCD & Film Switch control. DCS-1A-22

All made of stainless steel material Servo motor drive screw. PLC & Touch Screen control.





Model	DCS-1A-10	DCS-1A-21	DCS-1A-22
Hopper	Hanging mode 18L	Knockdown transparent 22L	Unlock transparent 25L
Packaging Weight	1 ~ 300g	1 ~ 500g	1 ~ 500g
Packaging Accuracy	≤±1%	≤±1%	≤±1%
Filling Rate	40 - 120 times/min.	40 - 120 times/min.	40 - 120 times/min.
Power Supply	3P/ 208-415V 50-60Hz	3P/208-415V 50-60Hz	3P/ 208-415V 50-60Hz
Total Power	800W	950W	950W
Total Weight	130kg	130kg	140kg
Overall Dimensions	750×710×1900mm	750×710×1900mm	750×710×1900mm

# DCS-1B Semiautomatic Auger Filling Machine

#### **Descriptive abstract:**

This type can do measuring and filling work. Due to the special design, so it fits more to the fluidic or low-fluidity materials, like solid drink, white sugar, dextrose, coffee powder, fodder, pharmaceuticals, agriculture pesticide, granular additive, dyestuff, and so on.

- All made of stainless steel material
- The hopper could be washed without toolings.
- Weight feedback to run after the specific weight.
- Save the parameter of each product to later use. 10 sets of magistral fomula save at the most.
- Fit for lots of material range from fine-powder to granule, if change the auger attachment.
- Dust-collector set on dust material situation to absorb dust spout out.
- Normal motor, clutch & coder drive screw.
  PCB, LED & Film Switch control.
- Servo motor drive screw.
  PCB, LCD & Film Switch control.
- Servo motor drive screw.
  PLC & Touch Screen control.
  Include handwheel of adjustable height.







DCS-1B-100 DCS-1B-311 DCS-1B-423

Model	DCS-1B-100	DCS-1B-311	DCS-1B-423	
Hopper	Hanging mode 39L	Knockdown transparent 45L	Unlock transparent 50L	
Packaging Weight	10g ~ 5kg	10g ~ 5kg	10g ~ 5kg	
Packaging Accuracy	≤±0.5%	≤±0.5%	≤±0.5%	
Filling Rate	40 - 120 times/min.	40 - 120 times/min.	40 - 120 times/min.	
Power Supply	3P/ 208-415V 50-60Hz	3P/208-415V 50-60Hz	3P/ 208-415V 50-60Hz	
Total Power	1.2KW	1.4KW	1.4KW	
Total Weight	260kg	260kg	280kg	
Overall Dimensions	1140×950×2200mm	1140×970×2030mm	1140×710×2200mm	

# DCS-1C-1 Automatic weighing, filling & packaging machine

# **Descriptive abstract:**

This unit is manual work aid filling, automatic weighing, pneumatic element to seal packaging, automatic filling, automatic sealing by conveyer. By changing the method of feeding material, fits for the fluid granular such as milk powder, rice, bean, fodder, white sugar or any thing low fluidity, such as flour ,milk powder ,pesticide ,dyestuff.

#### **Characteristics:**

- Double screw feeder or arc double-speed feeder system
- The central of control and weighing consist of Mitsubishi PLC, Mettler Toledo weighing sensor and weighing terminal. Maximize accuracy of weighing and stability
- English display, show parameters and working conditions, easy to control.
- Changeable pneumatic grip, good leak tightness, fits for all size of package.
- Chemical industry belt, plastic chain belt, to select.
- Industry sewing machine, plastic sealing
- All made of stailess steel

- Painted steel horse and other is made of stainless steel material
- Unattached weighing hopper





# **Main Specification**

	DCS-1C-1
Metering Mode	Weighing(Gross weight mode)
Feeding Mode	Twin screw, double valve, double vibrating chute (optional)
Packaging Weight	10~50Kg
Packaging Accuracy	≤±0.2%
Packaging Rate	≥3 bpm
Power Supply	3P /208~415V 50-60Hz
Total Power	2.25 KW(power for air supplyhot induded)
Air Supply	6kg/cm2 0.2m³/min
Total Weight	600Kg
Overall Dimensions	4000×1350×2500mm

	DCS-1C-2
Metering Mode	Weighing(Net weigh mode)
Feeding Mode	Twin screw, double valve, double vibrating chute (optional)
Packaging Weight	10~50Kg
Packaging Accuracy	≤±0.2%
Packaging Rate	≥6 bpm
Power Supply	3P / 208V ~ 415V 50-60Hz
Total Power	2.5KW(power for air supply not included)
Air Supply	6 kg/cm2 0.3m³/min
Total Weight	800Kg
Overall Dimensions	3700×1600×3100mm

# DCS-2A-1 **Automatic auger filling machine**

# **Descriptive abstract:**

This Machine is a complete, economical solution to your filling production line requirements.can measuring and filling powder and granular. It consists of the Filling Head, an independent motorized chain conveyor mounted on a sturdy, stable frame base, and all necessary accessories to reliably move and position containers for filling, dispense the required amount of product, then quickly move the filled containers away to other equipment in your line (e.g., cappers, labelers, etc.).it fits more to the fluidic or low-fluidity materials, like milk powder, albumen powder, pharmaceuticals, condiment, solid drink, white sugar, dextrose, coffee, agriculture pesticide, granular additive, and so on.

#### **Characteristics:**

- The surface of whole machine is made by stainless steel material.
- Knockdown transparent hopper, which could be washed without toolings.
- Servo motor driving screw
- PLC & Touch screen control system
- Indude handwheel of adjustable height
- Save the parameter of each product to later use. 7 recipes of magistral fomula save at the most.
- Fit for lots of material range from fine-powder to coarse-granule, if change the screw attachment. Dust- collector set on dust material situation to absorb dust spout out.



# **Main Specification**

	DCS-2A-1		DCS-2B-1
Metering Mode	Auger rotation filling	Metering Mode	Auger rotation filling
Packaging Weight	1 ~ 500g	Packaging Weight	10 ~ 5000 g
Packaging Accuracy	≤±1%	Packaging Accuracy	≤±0.5%
Filling Rate	15-60 bottles/min	Filling Rate	15-60 bottles/min
Power Supply	3P/208V ~ 415V 50-60Hz	Power Supply	3P/208V ~ 415V 50-60Hz
Total Weight	1.2KW	Total Weight	1.6KW
Air Supply	6kg/cm <sup>2</sup> 0.05m <sup>3</sup> /min	Air Supply	6kg/cm2 0.05m³/min
Total Weight	160 kg	Total Weight	300 kg
Overall Dimensions	1500×760×1850mm	Overall Dimensions	2000×970×2030mm
Hopper Volume	35L	Hopper Volume	45L

# DCS-2B-2 Automatic Can Feeding, Filling and Packaging Machine

## **Descriptive abstract:**

This automatic filling motor can do feed into canister, measuring, filling. Due to the special design, so it fits more to the liquid or low-fluidity materials, like milk powder, albumen powder, solid drink, white sugar, dextrose, coffee powder, pharmaceuticals, granular additive, dyestuff, and so on.

- Use bottle or canister to configure the automatic filling motor,
- Excluding motor and hopper head is made by stainless steel. Suspending hopper could be washed without toolings.
- Servo motor driving screw.
- > Weighing feedback and tracing weighing type get rid of the shortage of variable packaged weight for various proportion of different materials.
- Alarming when weight tolerance is paranormal. Automatically eliminating unqualified products through the elimination installations. To make each products be qualified and omit separate-selecting machine of tailed working procedure.
- LCD(in Chinese or English) display show working situations and operating command, simply visual supervisory.
- Save the parameter of each product to later use. 10 recipes of magistral fomula save at the most.
- Changing screw parts and be suitable to super-scrappy powder and granule various materials. Tray can and dust collector could make the filling mouth and container mouth be sealed during filling, protect the circumstance from polluting.

Metering Mode Container Size Filling Weight Packaging Accuracy	Auger rotation filling traced by weighing feedback φ30 ~ 160mm H 50 ~ 350mm  10 ~ 2000g package weight < 100g,with an error < 2%  100 ~ 500g,with an error < 1%, > 500g,with an error < 0.5%	
Packaging Rate	20 ~ 50 cans per minute	
Power Supply	3P / 208V ~ 415V 50-60Hz	
Ai Supply	6kg/cm <sup>2</sup> 0.05m <sup>3</sup> /min	
Total Power	2KW	
Total Weight	500Kg	
Overall Dimensions	2200×1750×2350mm	
Hopper Volume	45L	

# DCS-2B-3 Automatic Can Feeding, Filling and Packaging Machine

#### **Descriptive abstract:**

DCS-2B-3 is new-design can packing machine after spurring original tumplating can feeding machine based on long-term practice in powder can feeding fields. Master & complementarity 2- header filling system and first-creation can filling system, which guarantee high accuracy and remove the shortage of inconvenient cleaning tumplating can feeding machine. DCS-2B-3 could complete feeding, weighing, filling and waste discharge tasks. It also could be equipped with other equipments for whole set can packing pipeline which is suitable to the powder and granular materials, For example, milk powder, rice flour, albumen powder, cacao powder, nurture, powder leechdom, additives, sugar, dye, essence & flavors and so on.

- Independent design, using can or bottle feeding, filling.
- Made by stainless steel. Unlocked transparent hopper, beautiful and clear, loading and unloading without toolings. It is convenient to be cleaned
- > Servo motor driving screw is characteristics of no easy abrasion, high-precision orientation, setup rotate speed, stable performance
- PLC and Touch screen control.
- Weighing feedback proportion tracer function that conquer the shortage: packing weight is various from material proportion is different.
- Overweight alarm, elimination equipment automatically eliminate the unqualified which could guarantee each qualified in pipeline. No need separate in the end of working procedure.
- Parallel Replacing screw parts which could be fixed super thin powder and small granula various materials. Holding can and control of dust equipments make feeding mouth and container airproof during feeding. Protection the dust from prolutions.



# DCS-3A Auger Filler

# **Main Specification**

Model	DCS-3A-100	DCS-3A-500	DCS-4A-200	
Hanner	Knockdown transparent 22L	Unlock transparent 25L	-1	
Hopper	35L (large)	35L (large)	siamese hopper 38L	
Filling Weight	1 ~ 200g	1 ~ 200g	4 2000	
Filling Weight	1 ~ 500g (large)	1 ~ 500g (large)	1 ~ 200g	
Filling Accuracy	Package weight < 100g, with an error<2%,100 ~ 500g,with an error<1%			
Filling Rate	40 ~ 120 times/min	40 ~ 120 times/min	40 ~ 120 times/min(1 rostra)	
Power Supply	3P / 208V ~ 415V	3P / 208V ~ 415V	3P / 208V ~ 415V	
Total Power	0.95KW	0.95KW	4.000	
Total Power	1.2KW (large)	1.2 KW (large)	1.9KW	
Total Weight	130Kg	140Kg	160Kg	
Overall Dimensions	850×700×1100mm	850×700×1100mm	900×800×1100mm	

#### **Descriptive abstract:**

This type can do measuring and filling work. Due to the special design, so it fits more to the fluidic or low-fluidity materials, like milk powder, Albumen powder, solid drink, white sugar, dextrose, coffee powder, fodder, pharmaceuticals, agriculture pesticide, granular additive, dyestuff, and so on.

- ▶ The hopper, which could be washed without toolings.
- > Servo motor driving screw is characteristics of no easy abrasion, high-precision orientation, setup rotate speed, stable performance
- The surface of whole machine is made by stainless steel material.
- Include handwheel of adjustable height.
- Fit for lots of material range from fine-powder to granule, if change the screw attachment.





# DCS-3B Auger Filler

# **Main Specification**

Model	DCS-3B-101	DCS-3B-503	DCS-3B-603
Hopper	Knockdown transparent 45L	Unlock transparent 50L	Unlock transparent 60L
поррег	60L (large)	60L (large)	75L (large)
Configure	With Electronic cabinet	With Electronic cabinet & Control cabi	inet (PLC & Touch Screen)
Filling Weight	10 ~ 2000g	10 ~ 2000g	10g ~ 5kg
r illing vveignt	10 ~ 5000g (large)	10 ~ 5000g (large)	10g ~ 10kg (large)
Filling Accuracy	10 ~ 500g,with an error<1%, > 500g,with an error>0.5%		
Filling Rate	40 ~ 120 times/min	40 ~ 120 times/min	40 ~ 120 times/min
Power Supply	3P / 208V ~ 415V	3P / 208V ~ 415V	3P / 208V ~ 415V
Total Power	1.9kw	1.9kw	OKIN
lotal Power	2.4kw (large)	2.4kw (large)	2KW
Total Weight	200kg	220kg	250kg
Overall Dimensions	1060×750×1200mm	1060×750×1200mm	1125×850×1300mm

# **Descriptive abstract:**

This type can do measuring and filling work. Due to the special design, so it fits more to the fluidic or low-fluidity materials, like milk powder, Albumen powder ,solid drink, white sugar, dextrose, coffee powder, fodder, pharmaceuticals, agriculture pesticide, granular additive, dyestuff, and so on.

- The hopper which could be washed without toolings.
- Servo motor driving screw is characteristics of no easy abrasion, high-precision orientation, setup rotate speed, stable performance
- ▶ The surface of whole machine is made by stainless steel material except of motor.
- Include handwheel of adjustable height.
- Fit for lots of material range from fine-powder to granule, if change the screw attachment.





# Vertical Form Filling Seal Packging Machine

# Main specification

Model	DCS-3A+ZL200	DCS-3A+ZL220
Material	Surface is made by painted steel	Surface is made by stainless steel
Packaging Speed	15~60 bags/min	15~70 bags/min
Max Film Width	380mm	420mm
Bagging Size	L 80-250 mm W80-180 mm	L 80-300 mm W80-200 mm
Packaging Accuracy	Filling weight < 100g, with an error<2%100 ~ 5	500g,with an error<1%
Power Supply	3P / 208V ~ 415V 50-60Hz	3P / 208V ~ 415V 50-60Hz
Total Power	4.2KW	4.2KW
Air Supply	6kg/cm <sup>2</sup> 0.4m <sup>3</sup> /min	6kg/cm <sup>2</sup> 0.4 m <sup>3</sup> /min
Net Weight	700kg	700kg
Dimension	1440×975×2500mm	1440×975×2500mm
Hopper Volume	22L	22L

## **Descriptive abstract:**

The product can be used in powder and granular material. like milk powder, Albumen powder, solid drink, white sugar, dextrose, coffee powder, fodder, pharmaceuticals, agriculture pesticide, granular additive, dyestuff, and so on.

- The machine can make the package of pillow or Vertical type and handling package.
- The control of whole machine consist of PLC, servo motor and touch-sensitive screen. Maximize accuracy of control, stability and intelligent degree, and obviously reduce noise and trouble. easy to operate.
- The machine have a trouble display system, for operater find trouble, is useful.
- The vertical and transverse seal have a toothshaped sealing device, is used to ensure the firm sealing.
- Sealing temperature and time should be set separately, it makes products obtain optimization packaging effectshave air charging device and air exhausting device, and can add nitrogen or carbon dioxide charging device.
- Changeable filling machine fits for all sorts of materials





# Vertical Form Filling Seal Packaging Machine

#### **Main specification**

Model	DCS-3B+JW600	DCS-3B+JW800
Packaging Speed	25-70 bags/min	25-60 bags/min
Bagging Size	W 70-250mm L 100-350mm	W 100-300mm L 100-400mm
Packaging Accuracy	Filling weight < 100g, with an error<2%100 ~ 500g, with an error<	<1% >500g,with an error>0.5%
Power Supply	3P / 208V ~ 415V 50-60Hz	3P / 208V ~ 415V 50-60Hz
Total Power	4.9KW	5.4KW
Air Supply	6kg/cm <sup>2</sup> 0.4 m <sup>3</sup> /min	6kg/cm <sup>2</sup> 0.4m³/min
Net Weight	900 kg	1000 kg
Dimension(W×L×H)	1430×1200×2700mm	1550×1220×2700mm
Hopper Volume	45L	60L

### **Descriptive abstract:**

The product can be used in, powdery and granulated material. like milk powder, Albumen powder ,solid drink, white sugar, dextrose, coffee powder, fodder, pharmaceuticals, agriculture pesticide, granular additive, dyestuff, and so on.

- The machine can make the package of pillow or Vertical type and handling package.
- The packaging machines of JW series already contain more than ten years production history. Machine construction tightly packed, electric and pneumatic components all adopt the famous factory product of all countries, to sure the long-term work stability of machine.
- The touch-sensitive screen can display each machine state, operation instruction, the state of breakdown and so on.
- Adopted the Programmable Controller that made in Japan and up to 100 sets of working configurations can be stored in the machine. Engineer can control and adjust customers' machine in the long range.
- The machine is provided with well-versed AC servo motor technology on the film feed draw belt, resulting in creating smooth operation and higher speed.
- On-line adjustments of sealing position, cutting position as well as effects can be easily made on the touch-sensitive screen.
- The automatic temperature controller is used to maintain the working temperature within a deviation of sealing degree centigrade. In addition, a tooth-shaped sealing device is used to ensure the firm sealing.
- Having the alarming equipment, such as clipping the material, door unclosed, no film and so on.





# **GS-1S Inclined Screw Feeder**

GS-1S3 | GS-1S5 | GS-1S8 Charging Capacity: 3 m³/h 5 m3/h 8 m3/h **Total Power:** 750W 1.5KW 2.2KW Diameter of pipe: φ114mm φ141mm φ159mm 80kg 130kg 180kg

Power Supply: 3 Phase 208-415V 50-60Hz

Charging angle: Standard 45 degree, special inquirement 30 degree, 60 degree

Charging Height: Standard 1.85 meters, 1 - 5 meters could be designed and manufactured

Remark: Other Charging Capacity could be designed and manufactured



# GS-2S Vibrating Hopper Inclined Screw Feeder

GS-2S2 | GS-2S3 | GS-2S5 GS-2S8 Charging Capacity: 2 m3/h 3 m3/h 5 m3/h 8 m3/h **Total Power:** 550W 750W 1.5KW 2.2KW φ114mm φ141mm Diameter of pipe: φ102mm φ159mm **Total Weight:** 120kg 130kg 180kg

Hopper Volume: 230L

Power Supply: 3 Phase 208-415V 50-60Hz

Charging angle: Standard 45 degree, special inquirement 30 degree, 60 degree

Charging Height: Standard 1.85 meters, 1 – 5 meters could be designed and manufactured

# Overall Dimensions of Hopper:

1023×823×900mm

Remark:

Other Charging Capacity could be designed and manufactured

**Overall Dimensions of Hopper:** 

Remark: Other Charging Capacity

could be designed and manufactured

1150×850×1000mm



# GS-4S Vibrating Round Hopper Inclined Screw Feeder

GS-4S2 | GS-4S3 | GS-4S5 | Model: GS-4S8 Charging Capacity: 2 m3/h 3 m3/h 5 m<sup>3</sup>/h 8 m3/h 750W 1.5KW 2 2KW 550W **Total Power:** φ141mm φ159mm Diameter of pipe: φ102mm φ114mm **Total Weight:** 130kg 150kg 200kg

Hopper Volume: 150L

Power Supply: 3 Phase 208-415V 50-60Hz

Charging angle: Standard 45 degree, special inquirement 30 degree, 60 degree

Charging Height: Standard 1.85 meters,1 – 5 meters could be designed and manufactured

# **GL-1S3 Inclined Belt Baffle Feeder**

Charging Capacity: 3 m³/h (Other Capacity could be designed and manufactured for special inquirements.)

Charging Height: Normal 2m (Other Height could be designed and manufactured for special inquirements.)

**Total Power: 550W** 

Power Supply: 3 Phase 208-415V 50-60Hz

Total Weight: 90kg



# **GL-2S3 Inclined Belt Baffle Feeder**

Charging Capacity: 3 m³/h (Other Capacity could be designed and manufactured)
Charging Height: Normal 2m (Other Height could be designed and manufactured)

Hopper Volume: 230L Total Power: 550W

Power Supply: 3 Phase 208-415V 50-60Hz

Total Weight: 120kg



# **GS-1E Cross Screw Feeder**

 Model:
 GS-1E1
 GS-1E3

 Charging Capacity:
 1 m³h
 3 m³/h

 Diameter of Pipe:
 φ89mm
 φ102mm

**Total Power: 550W** 

Power Supply: 3 Phase 208-415V 50-60Hz

Total Weight: 60kg

Remark: Other Charging Capacity could be designed and manufactured



# **GS-2E Vibrating Cross Screw Feeder**

 Model:
 GS-2E1
 GS-2E3

 Charging Capacity:
 1 m³/h
 3 m³/h

 Diameter of Pipe:
 φ89mm
 φ102mm

**Total Power: 550W** 

Power Supply: 3 Phase 208-415V 50-60Hz

Hopper Volume: 150L

Overall Dimensions of Hopper:1110\*700\*700mm

Total Weight: 90kg

Remark: Other Charging Capacity could be designed and manufactured



# **GS-3E Cross Screw Feeder**

 Model:
 GS-3E3
 GS-3E5

 Charging Capacity:
 3m³/h
 5m³/h

 Pipe Dia.:
 φ114mm
 φ141mm

**Total Power: 550W** 

Power Supply: 3 Phase 208-415V 50-60Hz

Total Weight: 60kg

Remark: Different charging capacity could be designed and manufactured



# **Powder Truck, Hopper**

All made of 304 stainless steel except for motor.

Hopper Volume: 0.25 - 1.5 cbm.

Accessories and options: Stirrer, Safety griddle net, Level sensor, and so on.





Hopper

# Conveyor

All kinds of conveyor: PVC or Stainless Steel chain plate conveyor, Belt conveyor, Roller conveyor. The horse and hurdle are made of stainless steel



