

Powder Filling Machine



Powder Filling Machine

Product Data

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Single-Hopper Powder Filling Machine



PF-150S

Application:

Specialized design for granulates or powder, widely apply in food industry, products such as milk powder, glucose powder, albumen, coffee, rice powder, milky tea powder, seasoning, etc.

Ideal Choice of Powder Container Filler:

- **Functionality** : Automatically Container Feeding -> Precision Positioning -> Container Lifting -> Vibration -> Filling -> Weighing feedback -> Sorting -> Container out
- **Excellent Performance**: Reliable PLC control, Precise servo system, Professional auger metering, World-class weighing system, International top brand electrical equipments to ensure 24 hours continuous working.
- **Safe & Hygienic**: Removable glass cover, safe & dust-proof. Stainless steel SUS304, meets GMP requirement.
- **Humanized Design**: Easy adjustment on height of auger filler's outlet when run the hands wheel. No tools required to replace components, safety detection switch at risky area.
- **Easy to Clean**: Semi-open filler hopper, and simple structure filling platform for easy access to clean, no place for dust to hide.
- **Simple Structure**: scientific designs simplify the complicated structure, easy or maintenance-free.
- **Small & Compact Structure**: Spaces saving.

Jar Tin Samples:



Main technical parameters	PF-150S
Metering Technique	By auger and load cell feedback
Can Feeding Technique	By Nylon-made auger screw
Dosing Range	≤2000g
Dosing Accuracy	± 0.3-1%(depend on actual product and speed)
Container Type	Metal can, glass bottle, plastic jar,paper bag, etc.
Container Size	Φ40-130mm,H: 80-270mm(Changing cans feeding screw)
Filling Speed	Max.30 cans/min(depend on product spec and filling weight)
Power Supply	Single-phase 220V 50Hz , 2KW
Machine Weight	380Kg
Machine Size(L*W*H)	2262*1550*2395mm

Double-Hopper Powder Filling Machine



PF-200D

Application:

Specialized design for granulates or powder, widely apply in food industry, products such as milk powder, glucose powder, albumen, coffee, rice powder, milky tea powder, seasoning, etc.

Ideal Choice of Powder Container Filler:

- **Functionality :** Automatically Container Feeding -> Precision Positioning -> Container Lifting -> Vibration -> Filling -> Weighing feedback -> Sorting -> Container out
- **Excellent Performance:** Reliable PLC control, Precise servo system, Professional auger metering, World-class weighing system, International top brand electrical equipments to ensure 24 hours continuous working.
- **Safe & Hygienic:** Removable glass cover, safe & dust-proof. Stainless steel SUS304, meets GMP requirement.
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- **Easy to Clean:** Semi-open filler hopper, and simple structure filling platform for easy access to clean, no place for dust to hide.
- **Simple Structure:** scientific designs simplify the complicated structure, easy or maintenance-free.
- **Small & Compact Structure:** Spaces saving.

Samples:



Packing Line:



Technical Data	PF-200D
Filling method	By auger and load cell feedback
Can Feeding Technique	Nylon-made auger screw
Dosing Range	≤5000g
Dosing Accuracy	High speed mode: ±0.3-1% High accuracy mode: ±1-2g
Container Type	Metal can, glass bottle, plastic jar, paper bag, etc.
Container Size	Φ 60-200mm, H: 80-270mm(Changing cans feeding screw)
Filling Speed	Max.60 cans/min (depend on product spec and filling weight)
Power Supply	3-phase 380V 50Hz , 4.5KW
Overall Dimension(mm)	2813L*1535W*2500Hmm
Machine Weight	750kg

Triplex-Hopper Powder Filling Machine



PF-100T

Application:

High speed jar can tin powder filling line for

Medicine powder, milk powder, protein powder, flavour powder, flour powder, sweeter etc.

Typitcal Packaging Application:

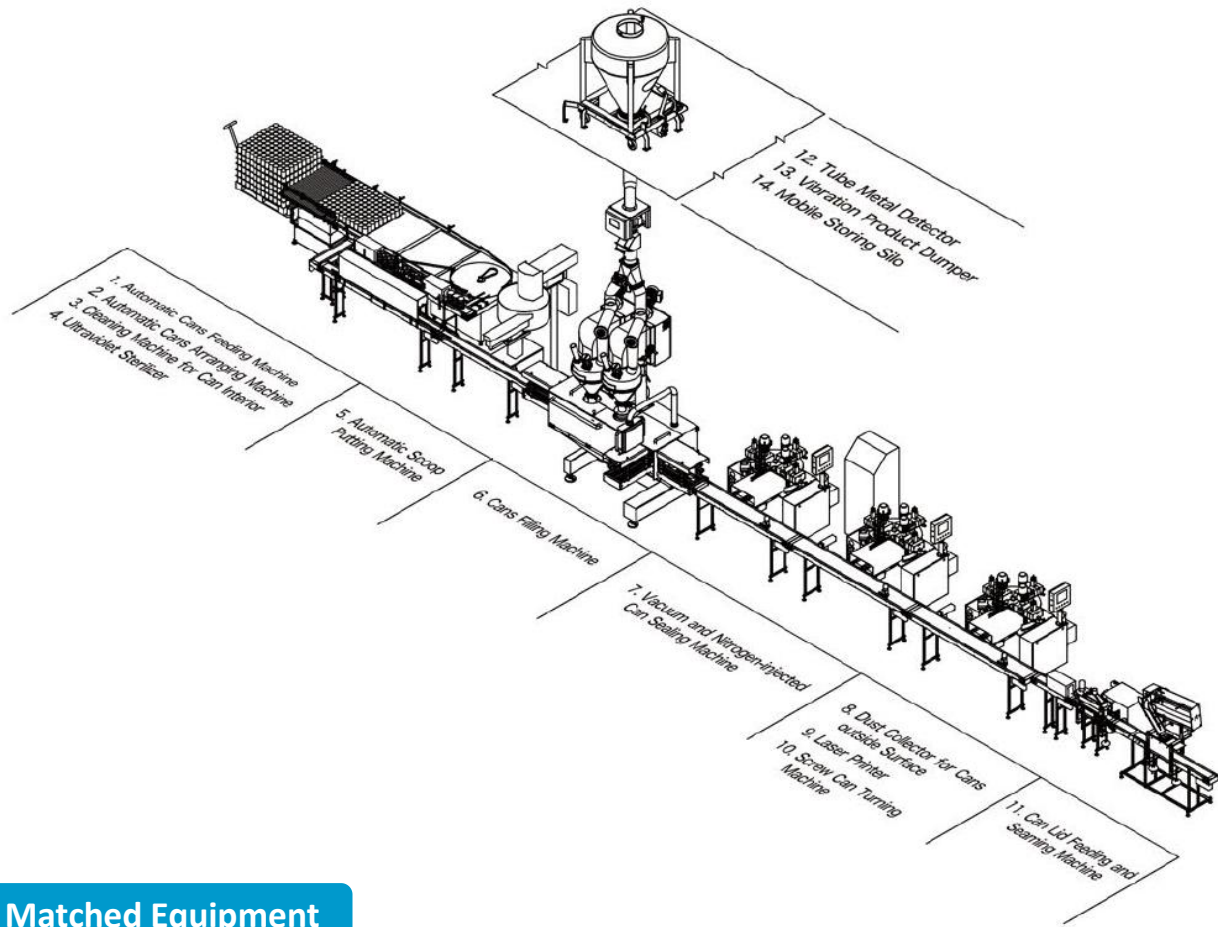
- High product of jar, can ,tin
- Together with powder mixing and processing machine
- Connect with capping machine, labelling machine, coding machine, shrink machine, patelizer etc.

Features:

- Unique horizontal open hopper for easy clean
- Auger head height adjustable for various cans
- Auger filler driven by servo, PLC Control
- Weight feedback for high filling accuracy
- high accuracy or capacity for your choice
- Unique nylon screw for high accuracy positioning
- Different container sizes by change nylon screw
- Bottom up fill with vibrate for full dose, no pollution
- no-container/no-fill, auto rejector by weight
- slideway can take out for easy clean

Technical Data	PF-100T
Metering Technique	By auger and load cell feedback
Can Feeding Technique	By Nylon-made auger screw
Dosing Range	≤500g
Dosing Accuracy	± 0.3-1%
Container Type	Metal can, glass bottle, plastic jar, paper bag, etc.
Container Size	Φ 40-80mm,H: 60-180mm (Changing cans feeding screw)
Filling Speed	Max.90cans/min (depend on product spec and filling weight)
Power Supply	Single-phase 220V 50Hz , 4.2KW
Dimension(mm)L*W*H	2809*1310*2898mm
Machine Weight	950Kg

Automatic Can Filling Project



Matched Equipment



Auger Dosing Filling Machine



Vertical Hopper



AF-350

Application:

Auger Dosing filling machine is kind of volumetric filling machine for filling dry (no matter it is non flowing or free flowing) powders, small granule, the auger is servo system control, works with agitator in the hopper, can handle high precision dosing or filling. This machine equipment with touch screen HMI and material level sensor, can work as semi-automatic filling machine or as filler of automatic machine like VFFS HFFS or doypack machines.

Typical Packaging Application:

- Work as semi-auto filler to filling powders or other products into pouches, cans, jars, etc
- Installed on vertical form fill seal as vertical powder bag packing system
- Work with doypack machines as high precision powder filler
- Can be installed on cup filling sealing machine for dosing powders like coffee powder, milk powder etc.



AF-450



AF-550

Features:

- High Quality Machine construction, SUS304 standard, SUS316L option.
- Touch screen operation, PLC control
- Servo motor driven auger, high precision filling control
- Wide filling range for packing application of dry powder, small granules etc
- Works with auger feeder as semi-auto volumetric filling machine,
- Or can be used as doser for FFS machine, Doypack machine, etc.

Technical Data	AF-350	AF-450	AF-550
Metering Technique	By auger or load cell feedback (optional function)	By auger	By auger
Dosing Range	≤500g	≤2000g	≤5000g
Dosing Accuracy	± 0.3-1%(depend on actual product and filling speed)		
Container Type	Can or Bag		
Hopper Volume	25L	50L	80L/100L
Filling Speed	≤80bags/min	≤80bags/min	≤80bags/min
Power supply	Single-phase 220V 50/60Hz ,1.4KW	Single-phase 220V 50/60Hz, 2.6KW	Three-phase 380V 50/60Hz ,3KW
Machine Weight	150kg	180kg	180kg
Dimension(mm)L*W*H	780*730*1690(mm)	545*1000*1060(mm)	9545*1000*1060(mm)

Semi-Auto Auger Filling Machine



SAF-300

Application:

Specialized design for granulates or powder, widely apply in food industry, products such as milk powder, glucose powder, albumen, coffee, rice powder, milky tea powder, seasoning, etc.

Optional Parts

Spinner: suitable for free flow product.

Features:

- This machine is a mini set which could be placed on desktop.
- Control System: by PLC & 5.7 inch color touch screen
- Metering screw driven by servo motor, particularly suitable for situation with requirements of high accuracy, high speed and more stability.
- Contact parts could be SUS316 as optional
- 20 sets of specifications is available for pre-set.



Horizontal semi-open hopper

Technical Data	SAF-300
Metering Technique	By auger
Dosing Range	≤ 100g
Dosing Accuracy	± 0.3-1%
Container Type	Can or Bag
Hopper Volume	8L
Filling Speed	Max.: ≤ 80bags/min (depend on worker handle speed)
Power Supply	Single-phase 220V 50/60Hz ,0.55KW
Dimension(mm)L*W*H	680*515*940mm
Machine Weight	70kg

Semi-Auto Auger Filling Machine



SAF-350



SAF-350

EAC-3

Features:

- Unique hopper design is our one of scientific and technological achievements with many years studying in powder packaging industry, and access to national utility model patents, in line with GMP certification requirements.
- The design principles: safety, health, simple, durable, and good looking.
- There are economical and convenient hopper type to be selected. Economy model with the cone hopper is combined to one set, only to remove the cone then can be cleaned; convenient model: with horizontally openable front half hopper, as easily open doors and windows, which makes cleaning faster and easier.
- Metering screw driven by servo motor, particularly suitable for requests high accuracy, high speed and more stability occasions.
- Blender's speed can be adjusted to suit different types of materials, so as to achieve the best measurement results.
- Whole machine set used SUS304, waterproof motor (IP65), could be washed directly by water, meets the food industry requirements.
- Contact parts could choose SUS316 as optional.

Application:

Specialized design for granulates or powder, widely apply in food industry, products such as milk powder, glucose powder, albumen, coffee, rice powder, milky tea powder, seasoning, etc.

Optional Parts

- Spinner: suit for free flow product.
- Closure: suit for very good free flow product.
- Dust Collector: suit for flying powder.

Technical Data	SAF-350
Metering Technique	By auger or load cell feedback(optional function)
Dosing Range	≤1000g
Dosing Accuracy	± 0.3-1%(depend on actual product and filling speed)
Container Type	Can or Bag
Hopper Volume	25L
Filling Speed	Max.:≤80bags/min(depend on worker handle speed)
Power Supply	Single-phase 220V 50/60Hz ,1.4KW
Dimension(mm)L*W*H	780*730*1690(mm)
Machine Weight	150kg

Semi-Auto Auger Filling Machine



SAF-450

Features:

- Unique hopper design is our one of scientific and technological achievements with many years studying in powder packaging industry, and access to national utility model patents, in line with GMP certification requirements.
- The design principles: safety, health, simple, durable, and good looking.
- There are economical and convenient hopper type to be selected. Economy model with the cone hopper is combined to one set, only to remove the cone then can be cleaned; convenient model: with horizontally openable front half hopper, as easily open doors and windows, which makes cleaning faster and easier.
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- Whole machine set used SUS304, waterproof motor (IP65), could be washed directly by water, meets the food industry requirements.
- Contact parts could choose SUS316 as optional.



SAF-450

EAC-3

Application:

Specialized design for granulates or powder, widely apply in food industry, products such as milk powder, glucose powder, albumen, coffee, rice powder, milky tea powder, seasoning, etc.

Optional Parts

- Spinner: suit for free flow product.
- Closure: suit for very good free flow product.
- Dust Collector: suit for flying powder.
- Bag Clamping Weighing Function: suit for high accuracy requests, the accuracy could do $\leq \pm 2g$



Dust Collection Device

Technical Data	SAF-450
Metering Technique	By auger or load cell feedback(optional function)
Dosing Range	$\leq 2000g$
Dosing Accuracy	$\pm 0.3-1\%$ (depend on actual product and filling speed)
Container Type	Can or Bag
Hopper Volume	50L
Filling Speed	Max.: ≤ 80 bags/min(depend on worker handle speed)
Power Supply	Single-phase 220V 50/60Hz ,2.2KW
Dimension(mm)L*W*H	950*1000*2050(mm)
Machine Weight	220kg

Scattered Product Conveyor Series



EAC-3-114

EAC-4-127

EAC-5-141

Practical and Innovative Design:

- Humanized design with easy disassembly, product contact part can be separated for cleaning without tools, leaving no corner, particularly suitable for food field. Time and energy saving, it takes one man only one minute to complete the whole dismantlement without tools, much more safe and efficient.
- Hopper with arch broken device to help you to solve bridge issue.
- Upgrade components: Polished screw, Semi-open tube.
- Besides standard type for your choice, it also can be customized based on your requirements.

Application:

- Matched with many packing equipments for powder or granule products.
- Widely applied in milk powder, sugar, coffee, starch, additives, dextrose, monosodium glutamate, etc.

Optional Parts

- Standard Control Box
- Safety Net
- Vibration Sieve
- Hopper Cover
- Dust Cover
- Blender for Anti-bridge.

Technical Data	EAC-3-114	EAC-4-127	EAC-5-141
Capacity	2-3 m ³ /h	3-4 m ³ /h	4-5 m ³ /h
Hopper Size	230L		
Discharging Height	≤3000mm (can be custom-made)		
Material	SUS304		
Power Supply	Three-Phase 380V 50Hz, 0.75-5.5KW		
Machine Weight	70-350Kg		



Polished Screw



Half-opened Stainless Steel Lid



Safety Net



Skirt Belt Conveyor



Mesh Belt Conveyor



AC-1-89 Auger Conveyor



Horizontal Auger Conveyor



EAC-8-168
EAC-10-219
Auger Conveyor



U-tube Auger Conveyor

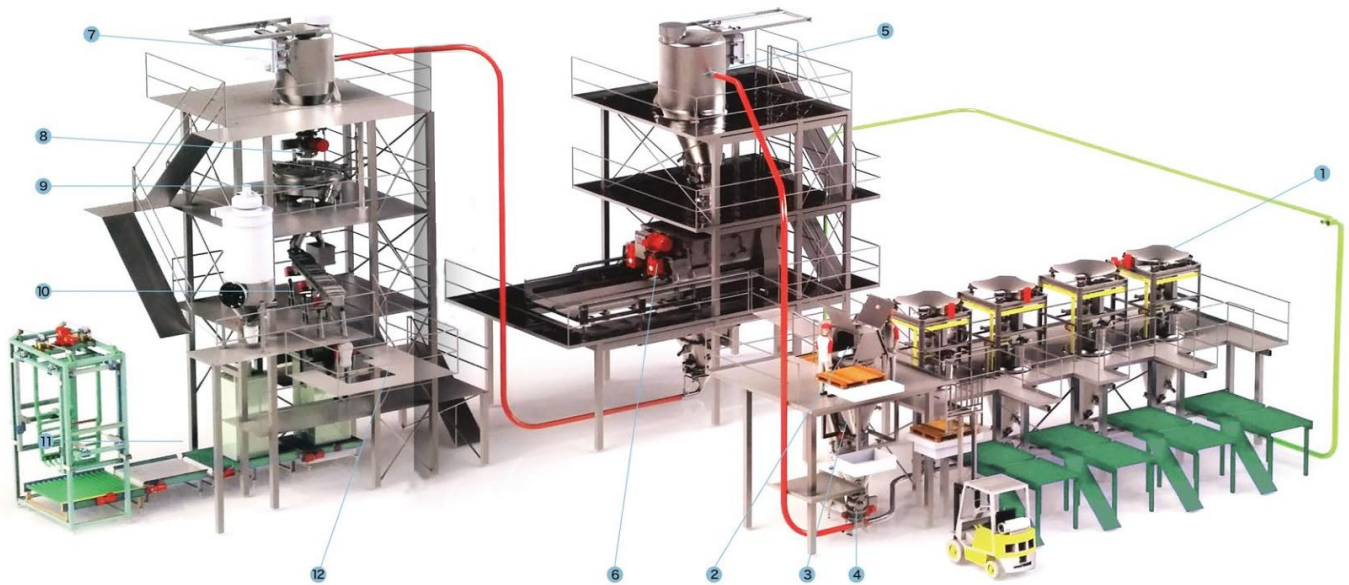


Z-Bucket Conveyor



Vacuum Conveyor

Products Mixing&Conveying and Storing Series



- ① Bulk Bag Unloader
- ② Bag Unpacking Dumper
- ③ Storing Silo
- ④ Rotary Valve for Feeding Product
- ⑤ Positive Airflow Conveyor Separator
- ⑥ Mixer
- ⑦ Negative Airflow Conveyor Separator
- ⑧ Auger Feeder
- ⑨ Vibration Sieve
- ⑩ Dust Collector
- ⑪ Bulk Bag Packing Machine



Bag Unpacking Dumper



Bulk Bag Unloader & Auger Conveyor



Airflow Conveyor



Ploughshare Mixer



Bulk Bag Packing Machine



IBC & Vibration Product Dumper



Bulk Bag Frame with Product Feeding Function



Rotary Sieve



Ribbon Mixer



Paddle Mixer



Vertical Ribbon Mixer



Batching Weigher

Finished Projects Showing



SaintyCo also offer:

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