

FILLING SYSTEMS

High Precision Combination Scales

Multihead Weigher 4.0 /4.0 Gen Advance



The S4 Series Combination Scale, also known as multihead weighers are high-performance machines for precision weighing and counting by using multiple weighing heads which individually weight a portion of the final target weight. The combination scale adds-up (combines) the weights of each bucket, ideally from 3 to 5 of them, in order to reach the Target Weight.

Combinations Scales are the ideal filling systems for all kind of snack's, short pasta, frozen products (nuggets, vegetables, shrimps and other sea food, fruits), confectionery products, bakery, salads, roasted coffee, beans, sugar, candies and much more.

All parts of our machines that are in contact with the products are made from hygienic stainless steel.

Multihead automatic combination weighers are used to provide accurate weights at high speed. To minimize giveaway and operate with high accuracy, especially for valuable products.

The 4.0 Generation machines offer several advantages to make the production more efficient, with less stops, high productivity and the highest accuracy. Some of the main features:

- Timing hopper high speed control system
- Multi-dump function is adopted by optimization of times
- When the Rotary Top cone is necessary, it's possible to adjust the speed and direction of rotation
- CAN BUS control allows maintenance while the machine is running
- Product monitoring on top of the multihead weigher is possible thanks to the real-time camera installed on the machine
- Sampling function
- Trouble shooting checking without stop machine
- Parameters can be inspected or set while the machine operates
- Automatic Calibration of the heavy-duty load cells
- Display the actual weight of each Weighing Bucket for better adjust



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Multihead Weigher



4.0 Generation



4.0 Advance Generation



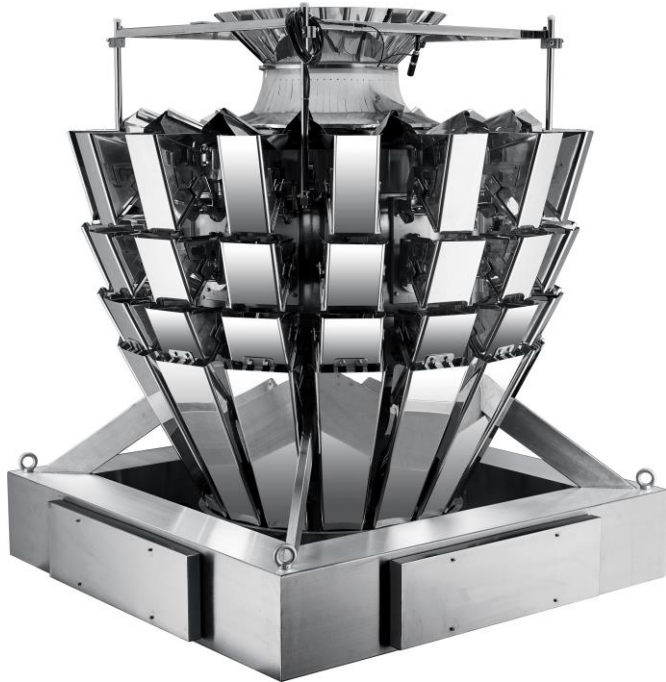
4.0 GENERATION MACHINES											
Model	S4-1016	S4-1030	S4-1008	S4-1416	S4-1430	S4-1405					
Bucket capacity	1.6L	3.0 Lt	0.8L	1.6L	3.0 Lt	0.5L					
Type of buckets	Closing type	Single-opening	Double-opening	Double-opening	Single-opening	Double-opening	Double-opening				
	Mechanism	Spring type	Spring type	Spring type	Spring type	Spring type	Spring type				
N of heads	10	10	10	14	14	14					
4.0 ADVANCE GENERATION MACHINES											
Model	S4A-1016	S4A-1416	S4A-1030	S4A-1430	S4A-1055	S4A-1075	S4A-1455	S4A-1475	S4A-1655	S4A-1675	
Bucket capacity	1.6L	1.6L	3.0 Lt	3.0 Lt	5.5Lt	7.5Lt	5.5Lt	7.5Lt	5.5Lt	7.5Lt	
Type of buckets	Closing type	Single-opening	Single-opening	Double-opening	Double-opening	Double Opening	Double Opening	Double Opening	Double Opening	Double Opening	Double Opening
	Mechanism	Spring type	Spring type	Spring type	Spring type	Spring type	Spring type	Spring type	Spring type	Spring type	Spring type
N of heads	10	14	10	14	10	10	14	14	16	16	

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Multihead Weigher

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Multihead Weigher with Memory Bucket (3 level hopper)

4.0 Generation Advance Memory Hopper					
Model		S4A-1620MH	S4A-1808	S4A-2408	S4A-3008
Bucket capacity		2Lt	0.8Lt		
Type of buckets	Closing type	Single Opening	Double Opening	Double Opening	Double Opening
	Mechanism	Spring type	Spring type	Spring type	Spring type
N of heads		16	18	24	30

FILLING SYSTEMS

Auger Filler for Baggers

MFF Series



Exact dosing on a high technical level for powder products or very fine powder products. This servo-driven filling system ensures the maximum accuracy by a perfect design and execution of the auger, which is customized for every project, according to the customer requirements.

Especially designed to pack any sort of powder products such as coffee, Nutritional Powder, Milk powder, cocoa powder, spices, flour and chemicals.

The product level is controlled by using a vibration limit switch to ensure almost same product quantity inside the hopper at all time, consequently we can have less weigh variation, higher accuracy.

The low speed agitation system works to “clean” the product from the hopper walls and rotates in the opposite direction of the auger, in order to create a better fluency of the product through the auger.

For small granulated products, includes a collector funnel with a spinner plate, also called Acentric Disk leak proof system that is used to avoid “product rain” during the sealing process of the packaging machine.

The 180° Split Hopper is ideal for a perfect & easy cleaning of the hopper and auger, tool-free, very safe and reduces the changeover time.

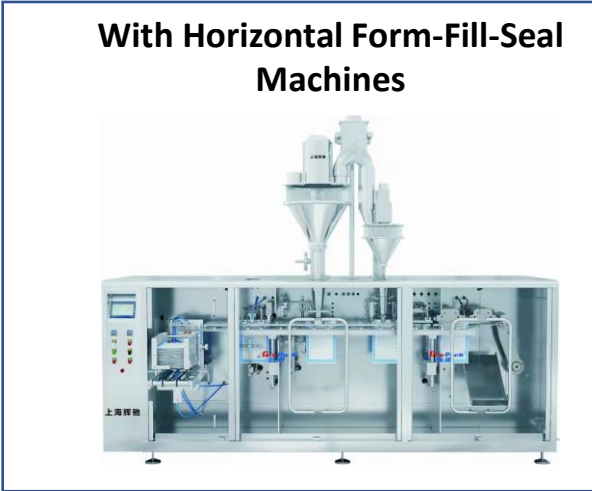
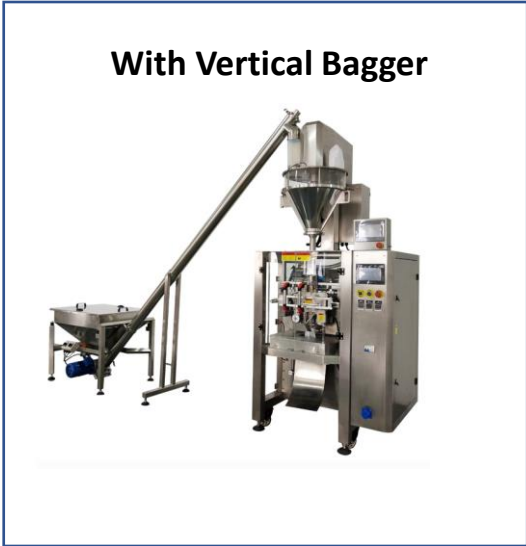


Model	MFF-11S-P	MFF-25S-P	MFF-50S-P	MFF-75S-P
Mixer motor standard brand	SEW EURO DRIVE			
Power	0.2kW	0.2 kW	0.4 kW	0.75kW
PLC Control	Mitsubishi			
Auger filler Servo Motor	Panasonic	Panasonic	Panasonic	Panasonic
Servo motor power	0.75kw	1.0 kW	1.5 kW	3 kW
Mechanical speed	up to 80 cycles/min	up to 80 cycles/min	up to 60 cycles/min	up to 30 cycles/min
Main frame	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Product contact surface	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Other components material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Hopper type	Split type	Split type	Split type	Split type
Hopper Volume	11L	25L	50L	75L
Packing weight (*)	0.5-20g	1-200g	10-2000g	10-5000g
Accuracy (**):	Dosage from 0.5 g to 5 g: ± 3-5%	Dosage from 1 g to 10 g: ± 3-5%	Dosage lower than 100 g: ± 2%	Dosage lower than 100 g:± 2%
	Dosage from 5g to 20g: ± 2%	Dosage from 10g to 100g: ± 2%	Dosage from 100 g to 500 g: ± 1%	Dosage from 100g to 500 g:± 1%
		Dosage from 100 g to 200 g: ± 1%	Dosage from 500 g a 2000 g: ± 0.5%	Dosage from 500g to 5000 g:± 0.5%
Adjustable height	Adjustable by handwheel	Adjustable by handwheel	Adjustable by handwheel	Adjustable by handwheel
Machine Weight	100kg	140Kg	220Kg	280Kg
Dimensions	L(561) X W(387) X H(851)	L(648) X W(506) X H(1025)	L(878) x W(613) x H(1227)	L(1141) x W(834) x H(1304)
Power supply	208/220V / 50/60 Hz			

FILLING SYSTEMS
Auger Filler for Baggers
MFF Series



Complete Solutions:



FILLING SYSTEMS

Semi-Automatic Auger Filler



Exact dosing on a high technical level for powder products or very fine powder products. This servo-driven filling system ensures the maximum accuracy by a perfect design and execution of the auger, which is customized for every project, according to the customer requirements.

Especially designed to pack any sort of powder products such as coffee, Nutritional Powder, Milk powder, cocoa powder, spices, flour and chemicals.

The product level is controlled by using a vibration limit switch to ensure almost same product quantity inside the hopper at all time, consequently we can have less weigh variation, higher accuracy.

The low speed agitation system works to “clean” the product from the hopper walls and rotates in the opposite direction of the auger, in order to create a better fluency of the product through the auger.

The 180° Split Hopper is ideal for a perfect & easy cleaning of the hopper and auger, tool-free, very safe and reduces the changeover time.

MFS-R series auger filling machine has different type of models: semi-automatic machine, automatic machine and dual filling machine, used for bag filling, jars or can/bottle filling to meet different filling requirements

Stainless steel structure; Quick disconnecting or split hopper could be washed easily without tools. ·Servo motor drive screw. ·PLC & touch screen make it be easy of operation. ·Weight feedback and proportion track get rid of the shortage of variable packaged weight for various proportion of different material. ·Save the parameter of different filling weight for different materials. To save 10 sets at most. ·Replacing the auger parts, it is suitable for material from super thin powder to granule

Model	Weigh Range	Hopper	Servo Motor Power	Machine Type	Type of Package / Container
MFS-R25S	5 - 500g	Split Type, 25 liter	0.75 kW	Foot Pedal switch	Cans, Jars, Cups, Bottles, Bags
MFS-R50S	50 - 5.000g	Split Type, 50 liter	1.0 kW		
MFS-R75S	100 - 10.000g	Split Type, 75 liter	1.5 kW		
MFS-W25S	5 - 900g	Split Type, 25 liter	0.75 kW	Manual Empty bag feeding	Premade bags
MFS-W50S	10 - 5.000g	Split Type, 50 liter	1.0 kW		
MFS-W75S	100 - 10Kg	Split Type, 75 liter	1.5 kW		
MFS-W100S	1Kg - 25Kg	Split Type, 100 liter	2.0 kW		
MFW-B50S	10 - 5.000g	Split Type, 50 liter	1.5 kW + 0.75 kW		
MFW-B100S	1Kg - 25Kg	Split Type, 100 liter	2.0 kW + 0.75 kW		

MFS-R Series



MFS-W Series



MFW-B Series



FILLING SYSTEMS

Automatic Auger Filler System

Exact dosing on a high technical level for powder products or very fine powder products. This servo-driven filling system ensures the maximum accuracy by a perfect design and execution of the auger, which is customized for every project, according to the customer requirements.

Especially designed to pack any sort of powder products such as coffee, Nutritional Powder, Milk powder, cocoa powder, spices, flour and chemicals.

The product level is controlled by using a vibration limit switch to ensure almost same product quantity inside the hopper at all time, consequently we can have less weigh variation, higher accuracy.

The low speed agitation system works to “clean” the product from the hopper walls and rotates in the opposite direction of the auger, in order to create a better fluency of the product through the auger.

The 180° Split Hopper is ideal for a perfect & easy cleaning of the hopper and auger, tool-free, very safe and reduces the changeover time.

MFS-R series auger filling machine has different type of models: inline conveyor, automatic machine with rotary disk and safety cabinet and inline dual filling machine, used for many different type of containers filling like cans, bottles, jars and cups in order to meet different filling requirements.

Stainless steel structure; Quick disconnecting or split hopper could be washed easily without tools. ·Servo motor drive screw. ·PLC & touch screen make it be easy of operation. ·Weight feedback and proportion track get rid of the shortage of variable packaged weight for various proportion of different material. ·Save the parameter of different filling weight for different materials. To save 10 sets at most. ·Replacing the auger parts, it is suitable for material from super thin powder to granule



TEPPACK®
PACKAGING ENGINEERING

MFA-L1 Series



MFA-R1 Series



MFA-W1 Series



Model	Weigh Range	Hopper	Servo Motor Power	Speed	Type of Machine
MFA-L1-S	1 - 500g	Split Type, 25 liter	1.07 kW	20 to 40 Container/min	Horizontal Conveyor, simple type, equipped with pneumatic container lift and vibrating
MFA-L1-M	10 - 5000g	Split Type, 50 liter	1.52 kW	20 to 40 Container/min	
MFA-R1-D100	5 - 500g	Split Type, 25 liter	1.78 kW	20 to 40 Container/min Container dimension : φ20-100mm, H15-150mm	Turning disk type with weighing feedback function, pneumatic container lift and vibrating device with safety and dust protection cabinet
MFA-R1-D160	10 - 5000g	Split Type, 50 liter	2.51 kW	20 to 40 Container/min Container dimension : φ30-160mm , H50-260mm	
MFA-W1-D140	100 - 1.500g	Split Type, 50 liter (Main) + 11 Liter (Secondary)	3.4 kW	above 45 Container/min Container dimension : φ60-135mm , H60-260mm	Horizontal Conveyor, Simple type, 1 lane 2 fillers with pneumatic container lift and vibrating device with safety and dust protection cabinet
MFA-W1-D210	100 - 5.000g	Split Type, 75 liter (Main) + 25 Liter (Secondary)	4.75 kW	above 35 Container/min Container dimension : φ60-210mm , H60-350mm	

FILLING SYSTEMS

Volumetric Cups Filler

DVA Series



Consisting of 1 small infeed Hopper, a telescopic (height adjustable cup), pneumatic opening slides with motorized height adjustment and a transition feeding funnel.

- 1 Cup Volumetric Filler from 150g to 500gr, from 500g to 1.000g and from 2.500g to 5.000g.
- Telescopic Cups designs can cover from 50% to 100% of the weight range
- Stainless Steel Construction
- Motorized Volume adjustment system
- Dual type model is available, easy & quick changeover

FILLING SYSTEMS

Gravimetric multi nozzle filling system



Description

Application:

The **GMN** Volumetric type filler machine was designed to fill from liquid to pasty products through multiple filling nozzles at the same time. Equipped with a and pressurized hopper tank, this is the ideal filling solution for high viscosity products into thermoforming machines, cup filling systems, tray sealers and similar applications.

Main frame:

- Compact design to save space when is integrated to the thermoforming or tray sealer machine, capable to allocate more filling nozzles in a small area.
- Mounted on wheels allow access to all parts of the thermoforming machine, multiple uses for the packaging machine as it can be moved away when is necessary.
- Full SAE304Stainless Steel execution
- The sanitary design is a big advantage for easy cleaning

Hopper tank:

- 100Liter pressure hopper tank
- ASME standards
- Safety valve and air pressure control and regulator
- Stainless steel fitting and connection
- 2" ASME BPE Type A infeed product connection
- Ultrasonic type sensor for level control
- Stainless Steel SAE316.
- Pipeline and fittings: Stainless Steel SAE304
- Ready for CIP

Single Nozzle



Multi-Nozzle

