

# Weigh filler

for powder, granules and small components

## S 700 Series



the best way to weigh

- ▶ simple operation
- ▶ quick change-over
- ▶ easy cleaning
- ▶ gently product handling by small falling height

With the S 700 series we provide a solution for dosing most types of free flowing products. Our portfolio varies from manually operated single head weigh fillers to fully automatic lines filling over 100 boxes per minute. With different options available we can cover a wide range from 5 mg to 5000 g. At the development phase of the machines, we work closely with our customers which enables us to provide a high level of filling solutions. To meet requirements in accuracy we offer many different weighing load cell systems enabling small tolerance limits to be maintained. Operators like the fact that the machines are simple to handle and easy to clean. Change-overs can be performed quickly and also small batches of different products (tablets, powder) can be filled economically.



**COLLISCHAN**  
WEIGHING TECHNOLOGY



**S 710** for manual filling. Depending on the flow behavior and characteristics of your product, we provide different designs with weighing ranges from 50 g to 5000 g.



**Ex 706-4:** The multiple linear weigh filler doses explosives of 30.000 mg with an accuracy of  $\pm 3$  mg at a speed of approx. 25 weighings per minute.



Twin Weigh filler **S 706-2** with automatic filling station for higher output. On demand the machine can be equipped with many weighing heads.



The weigh filler **Ex 703** doses explosives in airbag inflators. It can be delivered with an explosion proof enclosure.



Special design **SW 703** for dosing smallest quantities in milligram accuracy, e.g. for clean rooms, glove boxes or isolators. The weigh filler can be washed and can be removed quickly from the clean room.



### Product ranges:

- powder, granules
- tablets, caplets, soft and hard capsules, globules, sweeteners
- explosive granules and powder
- metal small parts, screws, nuts and dowels
- seeds, spices, herbs
- tea, coffee
- vegetables, salad and mixings
- granola and cereals
- veterinary medicine and animal food

### Options:

- Multiple weigh filler for mixtures or higher output
- customized design of construction
- special shapes for vibrated chutes
- rejection of overfilling
- surface coating
- GMP design
- washable
- statistics printer
- synchronisation with conveyor or any kind of packaging machines

Tray width	Volume	Range	Resolution
10 mm, 30 mm	15 ccm, 30ccm	10 g	0,001 g
30 mm	200 ccm	20 g	0,01 g
60 mm	350 ccm	50 g	0,03 g
100 mm	900 ccm	250 g	0,1 g
	up to	500 g	0,2 g
	1300 ccm	1000 g	0,5 g
150 mm	2000 ccm	250 g	0,1 g
		500 g	0,2 g
		1000 g	0,5 g
200 mm	2700 ccm	500 g	0,2 g
		2000 g	1,0 g
250 mm	3000 ccm	1000 g	0,5 g
		2000 g	1,0 g
300 mm	4000 ccm	500 g	0,2 g
	up to	2000 g	1,0 g
	10000 ccm	5000 g	2,0 g

### Self-optimising Control:

The S 700 controls the speed of the vibration feeder with a digital adaptive control algorithm. The parameters (flow behavior, falling height and weight) are automatically measured and permanently checked. The vibrated chute is automatically controlled, based on values for nominal weight, tolerance limits and output, speed is optimised and monitored. Control systems shoots for the target weight as mean value, at the lowest possible dispersion within the tolerance limits specified. Therefore gross and fine dosing can be operated with one vibrated chute.

### Hygienic design:

With the exception of a few parts, the model S 700 is exclusively manufactured in stainless steel and is easy to clean. Due to the construction all format parts can be removed tool-free and small batches of different products (tablets, powders) can be filled economically.

### Explosive-proof design:

The weigh filler Ex 700 complies with all requirements of electrical systems and their equipment in explosive areas. Depending on customer request we can offer constructions for different zones (0, 1 or 2 and 20, 21 or 22) and temperature ranges up to T6.

### Statistics:

The S 700 is equipped as standard statistics with counter, mean value and standard deviation, which are shown on the display. Optionally it is possible to send the weigh values to a PC.

### Synchronisation:

The machine works with external synchronisation (signal from a packaging machine), with a foot switch or with internal synchronisation (conveyor with automatic filling station for bottles or othe containers).

# Our additional production program

The Collischan GmbH & Co. KG, established 1928 in Nürnberg is a manufacturer of weigh fillers, checkweighers and counting machines for the chemical, pharmaceutical and food industry. The company offers one-stop customized solutions and standard products of the weighing and counting technology.



## Checkweighers:

With our checkweighers each package is weighed and invalid product are rejected, up to a speed of 450 packages per minute.



## Tare-gross checkweighers:

With this application each container is weighed before and after filling. The actual content is measured with high accuracy and weight deviations of the containers are eliminated. In conjunction with a counting machine, the combination of two different systems (counting and weighing) provides the maximum sureness to exclude an error.



## Counting machine Minicount:

The Minicount is a small universal counting machine for all kinds and forms of tablets, capsules and dragees without format sets. Optionally a check weighing system for containers can be delivered to verify the counts.



## Counting machine Multicount:

The high performance counting machine Multicount combines all technical relevant opportunities of counting tablets, capsules, dragees, etc without product specific format sets.



## Packaging Lines:

On demand, we realise solutions for filling, capping, checking and transporting as turnkey system.



WEIGHING  
COUNTING  
CHECKING  
PACKING

**COLLISCHAN**  
WEIGHING TECHNOLOGY

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