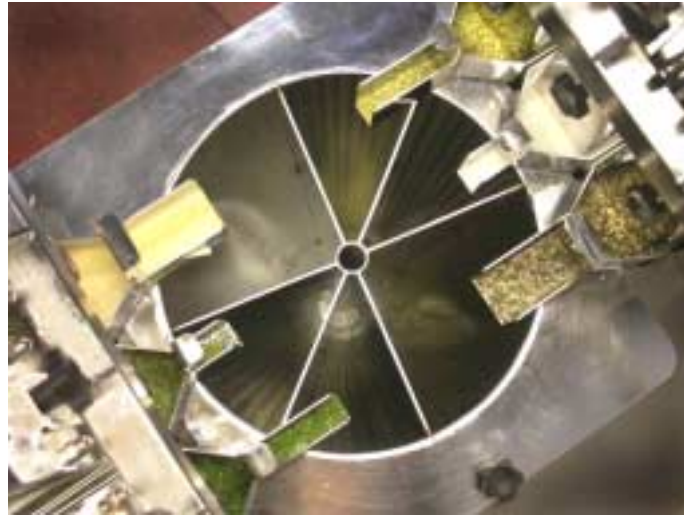


solids *Fine dosing*

The fine art of fine dosing



Filling machines Fine dosing Fill-matic



Fine dosing Fill-matic series can fulfill a variety of unique applications when extreme accuracy and flexibility are requested.

Without any modification, each model can dispense ingredients ranging from powders to granules.

By listening to our customers and understanding their needs we can skillfully design and assemble the state-of-art custom machinery required.

The feeders are available either in volumetric or gravimetric versions.

The very small overshoot value, associated with a sharp control of extractor movement, are the key points to reach the high level of performances in terms of dosing time and accuracy.

Volumetric feeders: Controlled with motor rpm and outlet section of extractor.

For batch process MCPI offers unique control system call "Short-cut system". It consists of a mechatronic solution which ensures a perfect control of the extractor movement with repeatability below 3/100 sec, to ensure quick and accurate feeding. With short-cut system it is possible to reach very short dosing time (from 0.2 sec) and feeding quantities from 0.1 gram to kilo grams.

Gravimetric feeders: For a perfect control of production parameters with weighing system.

Design of these feeders is made in agreement with drug and food industries requests for cleaning.

S.S.T.-Schüttguttechnik Maschinenbau GmbH

Lechwiesenstr. 21, 86899 Landsberg / Lech

Tel. 0049 (0)8191-3359-50 Fax 0049 (0)8191-3359-55

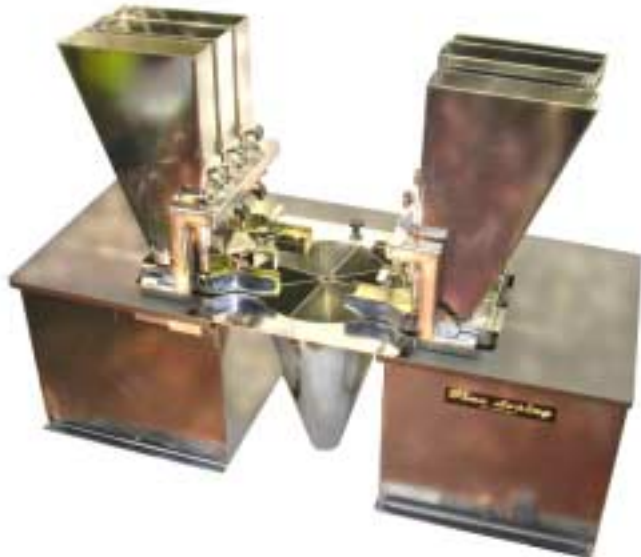
e-mail: sst@solids-service.de

www.solids.de



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Multi components dosing station:

6 different ingredients are dosed simultaneously.

Dosing time: ~3 - 5 seconds.

Repeatability: Standard deviation below 5%.



Gravimetric bag filling machine, loading of the filler's hopper vacuum based feeder.

Accuracy < $\pm 0, 5\%$

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1



2

Feeder 1 : Gravimetric feeder with 1 or 2 ingredients, accuracy ± 0.5 g. **Feeder 2** : Pharmaceutical feeder, accuracy ± 0.2 g.

Technical data :

Volumetric feeders

Minimum lot size	From 0.1 g
Accuracy (batch)	Standard deviation from 2%
Min dosing time (batch)	From 0.2 "
Extraction capacity	Suitable products with poor flow properties Respect of sensible ingredients. Respect of particle size
Cleaning	Complete discharge of the feeder Dismantling for cleaning in few seconds. Safe system for operators

Gravimetric feeder

Accuracy	Standard deviation from 0.5 %
Load cell resolution	Analogical load cell: resolution 0.03g to 5g . Load cell protected in a casing
Dynamic	Dosing time from: 3" .
Recipes	Batching control with memory storage for production run with several different products and optional weigh measures feedback.
Control parameters	Coarse and fine dosing controlled by scale
Cleaning	Complete discharge of the feeder Dismantling for cleaning in few seconds. Safe system for operators

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