

solids *Fine dosing*

The fine art of fine dosing



Multi-Heads feeders

Fine dosing Opti-dose FD- MVH-P



Technical description:

The unique MCPI's Multi-head Feeder, is probably the best solution on the market, to give a simultaneous, quick and accurate dispensing of ingredient on multiple application points, with sprinkling effect.

These feeders are controlled with motor speed and outlet section of extractor. **MCPI's "Short-cut system"** is a mechatronics solution, which allow a perfect control of the extractor movement with repeatability below 3/100 sec, to ensure a quick and accurate feeding.

This range of machines is an efficient cost effective solution for high cadencies productions (dosing time from 0.2 sec, up to 60 dosing cycles / min). The feeders can be fit on a "C" shape mobile truck, to facilitate cleaning operations.

The design is made in agreement with drug and food industries requests for cleaning.

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Technical data :

Dosing repeatability	< 5%
Dosing time	From 0.2".
Number of dosing points	The width of each output is adjustable (1setting for all outputs) Number of dosing point : adjustable
Cadency	Up to 60 cycles / min.
Flexibility	- Can cope with fine powder or granulates -The configuration of dosing point can be easily changed - Can be fitted to different production lines
Setting parameters	Number of dosing oscillations +/- or frequency +/- or opening of the output gates
Cleaning	Automatic and complete emptying Opening of the machine within few seconds
Generator	Cam shaft principle working in oil bath
Rules	Design according to CE rules, and hygienic rules.

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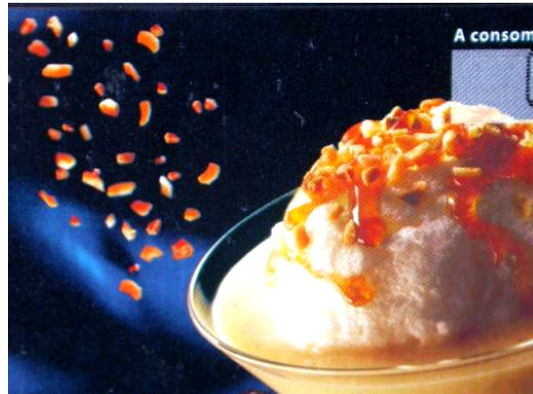
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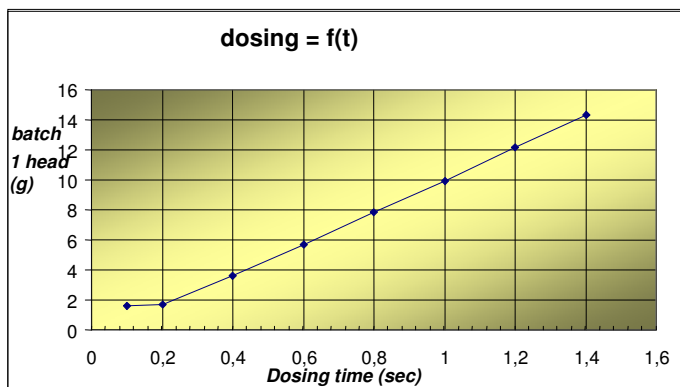


Applications:

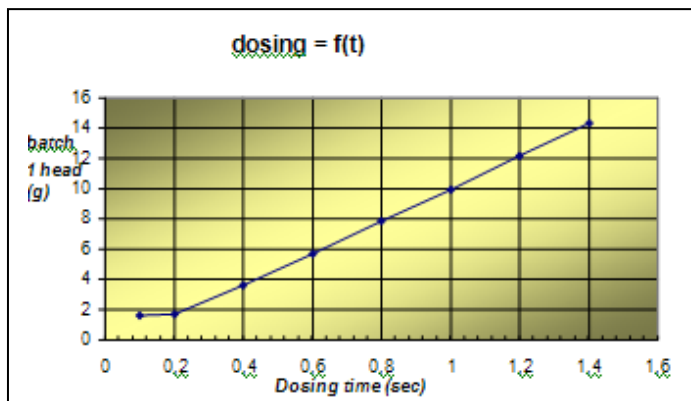
Addition of ingredients for food industry.
Conditioning with high cadence.



Example:



Results versus dosing time



Relationship between dosing time and the quantity dosed

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