

MULTI-HEAD FEEDERS



Fine decoration and favouring with solid ingredients



***Fine dosing* FD MVH Multi head feeders 0615**

MCPI - SAS

Rue des Cols Verts - BP 1013 - 74966 MEYTHET Cedex – France

Tel : (33) 04.50.33.90.20 - Fax : (33) 04.50.10.12.96

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

With the same feeder it is possible to dose both fine powders such as cocoa, and granules such as pieces of nuts, whole almonds, chocolate curls or grated coconut.

The technical advantages are the result of the marriage of a patented technology and an experience proven by many applications:

Unmatched performance:	A short dosing time (from 0.3 sec) to achieve cadencies up to 75 cycles / min. A very good feeding repeatability
Flexibility	The same feeder can accept fine or coarse ingredients By simple tool change, it is possible to get a new production configuration (the number of application points and / or the scattering diameter). The feeder can be fitted to several production lines (height and width).
The hygienic design is made in agreement with EHEDG guide lines requests for cleaning	Complete emptying without dead zone, and a design to ease cleaning operation Surfaces exclusively made of stainless steel. C" shape trolley to move the feeder to adapt it to different lines.



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Features :

Dosing time	From 0.3".
Number of dosing points	The width of each output is adjustable (1setting for all outputs) Number of dosing point : adjustable
Cadency	Up to 75 cycles / min.
Flexibility	. Can cope with fine powder or granulates . The configuration of dosing points can be easily changed . Can be fitted to different production lines
Setting parameters	Number of dosing oscillations Frequency of the motor Opening of the output gates
Cleaning	Complete emptying Opening of the machine within few seconds Hygienic design according to EHEDG rules HYGIENIC*
Generator	Cam shaft principle working in oil bath
Rules	Design according to CE rules,.



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Principle of feeding:

The generator gives an asymmetrical to-and-fro movement. In this movement, the return speed is faster than the forward direction speed. The forward direction corresponds to the direction of material transfer. To illustrate this, imagine the following experiment. Place a coin on a paper sheet. Move the sheet with an alternate movement with a return speed that is higher than the forward way. You will see that the coin moves on the sheet...

- Frequency of oscillation: 5 -20 Hz
- Return speed: 15 time faster than forward speed
- Max stroke : 1.0 – 4.0 (depending on the generator)

MCPI generators are based on mechanical **Cams Shaft technology** , to guaranty a stable, reliable and incomparable extraction of material.

This is an original and patented design.



Cam shaft : the base of MCPI generator

Benefits of MCPI Fine dosing solutions:

- Only stainless parts are in contact with material
- No mechanical friction applied on the material (the ingredient is respected)
- Feeding process with 3 different flow rates, to reach a short dosing time and high accuracy
- Perfect control of the 3 flow rates, to ensure feeding stability (The ratio between coarse and fine flows can be over 100...in order to get a quick and accurate feeding)
- High extraction capacity: feeder suitable for granules or very fine powders
- Dismantling for cleaning is a question of a few seconds (or a few minutes for the largest systems)
- All MCPI Fine dosing® feeders and powdering machines are available with hygienic manufacturing.
- Safety: since the stroke of the mechanical parts in movement is reduced (< 4 mm), production and cleaning operations are safe for users.
- Low maintenance equipment thanks to a reliable mechanical movement, and since there is no moving seals nor any wearing parts.
- Guaranty of MCPI cam shaft generator: 3 years



“The final touch”

