

High accuracy micro feeders

MCPI *Fine dosing*[®] Opti-feeder FD- SPAc

(3A Class: resolution : 1 mg - 4A Class: resolution : 0.1 mg)



Micro feeders **MCPI *Fine dosing* SPAc** are probably the first on the market to reach such levels of excellence in term of accuracy, short dosing time and flexibility.

The patented principle of extraction is able to create high density shear forces to cut bonds existing between the particles of powder. Hence the size of agglomerates is reduced, and the output flow of powder is steady. This condition is a key for the control of flow rate and to reach high level of accuracy.

The ingredient is dosed in a small swivelling bowl fitted on an accurate load cell. Sensitive parts as motor reducer and scale are installed in a protective casing.

The integrated batch controller optimizes coarse and fine feeding with automatic tolerance control.

Fine dosing concept allows a ratio between coarse/ fine feeding over 100. This figure is a key point to reach fast dosing process and accuracy.

In automatic version, feeding is made in a weighed bowl, at the end of dosing stage the bowl rotate . The ingredient is then emptied to the application point.

The ingredient can be, as well, feed directly in the final container or box, positioned (manually or automatically) on the scale.

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

Fine dosing FD SPA c- 0811

M.C.P.I. - SAS

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

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"The fine art of fine dosing"

Technical data :

Dosing accuracy	Standard deviation from 1 mg depend on application parameters...
Load cell	3A class : Numerical load cell, min interval 1mg 4 A class : Numerical load cell, min interval 0.1 mg
Min dosing time	From 5".
Min set point	From : 10 mg (4A class)
Cleaning	A complete emptying can be achieved Dismantling for cleaning in few seconds,
Control parameters	With adjustment of the outlet section, frequencies (coarse and fine feeding), preset point (commutation from coarse to fine feeding)
Rules	CE, GMP.

Table top machine, with manual handling of the container to be filled



***Fine dosing* FD SPA c- 0811**

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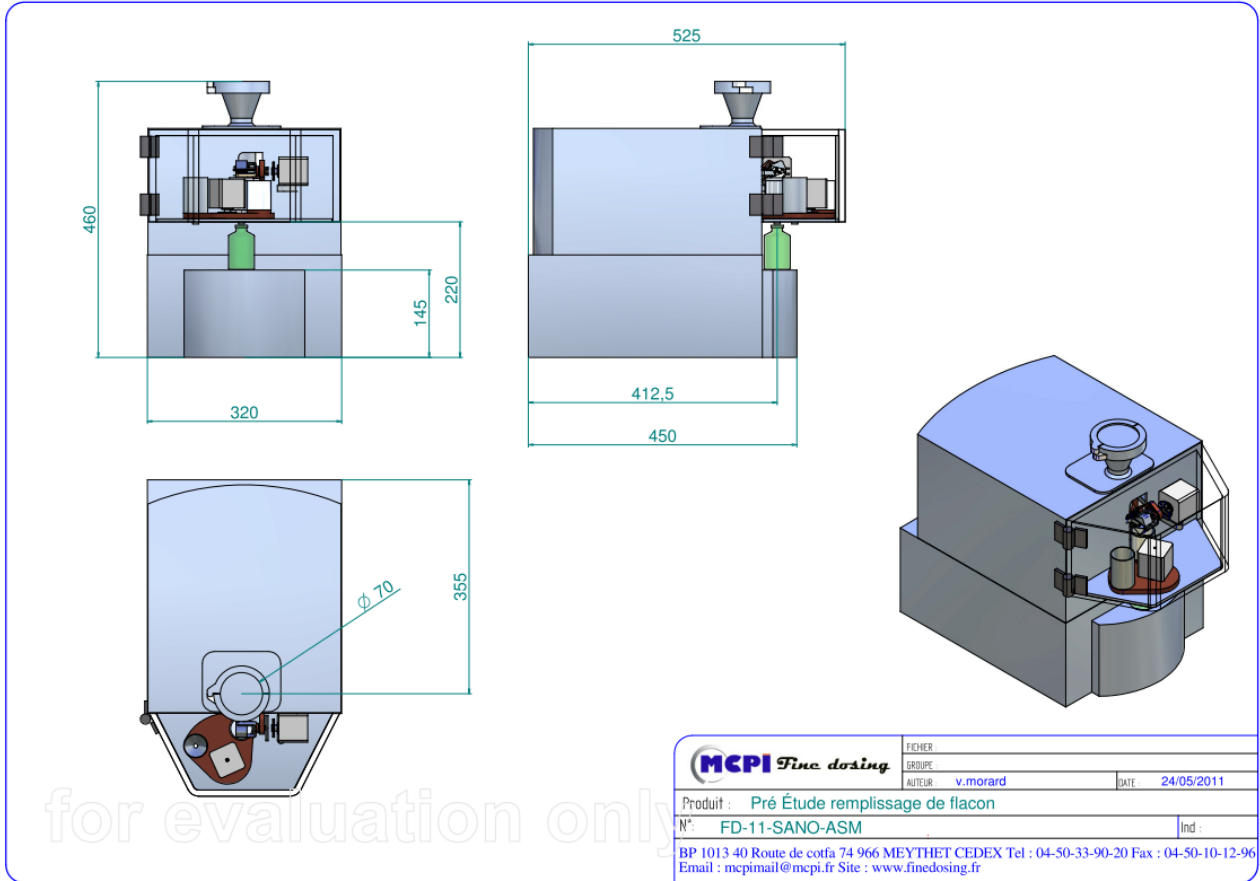
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Table top machine with automatic discharge and elimination of inaccurate dose

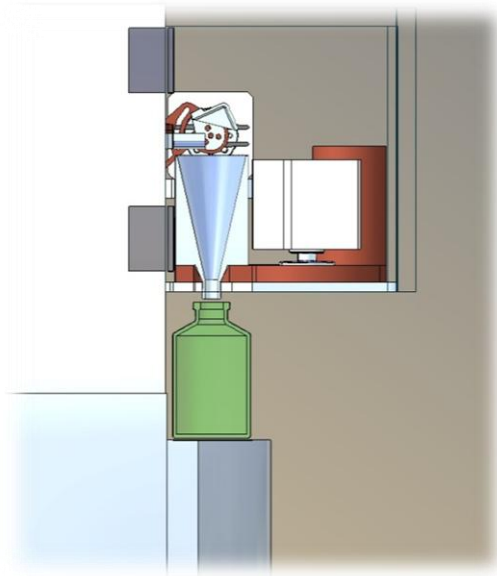
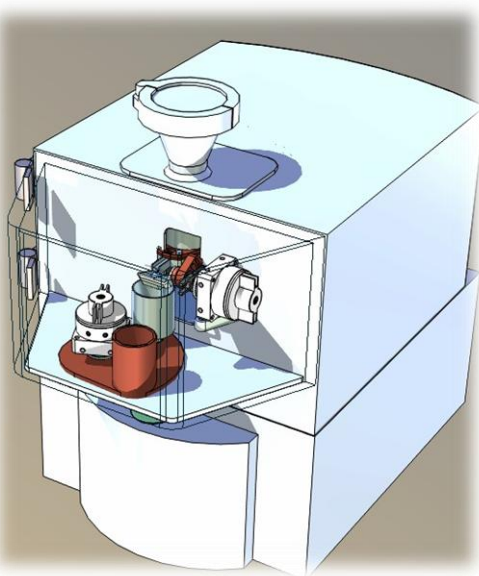


Technical drawings showing dimensions for the machine:

- Side view: Total height 460, base width 320, internal height 145, and total height to top of hopper 220.
- Front view: Total width 525, base width 450, and internal width 412.5.
- Top view: Diameter of the discharge opening is $\phi 70$, and the total width of the base is 355.

for evaluation only

MCPI Fine dosing	FICHE:	
	GRUPE:	
	AUTEUR: v.morard	DATE: 24/05/2011
Produit : Pré Étude remplissage de flacon		
N°: FD-11-SANO-ASM		Ind:
BP 1013 40 Route de cotfa 74 966 MEYTHET CEDEX Tel : 04-50-33-90-20 Fax : 04-50-10-12-96		
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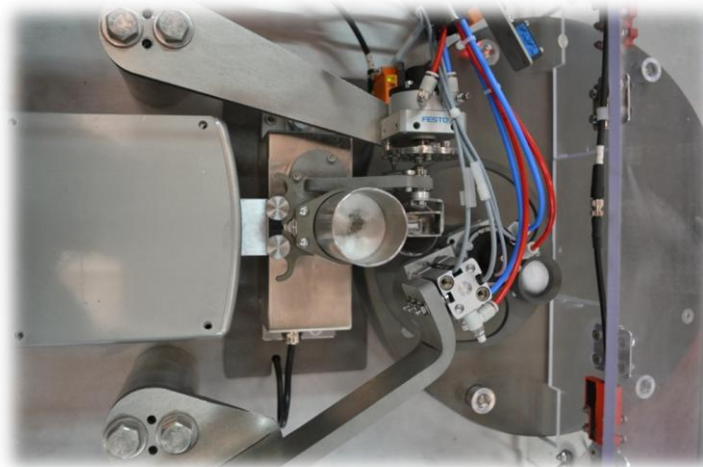
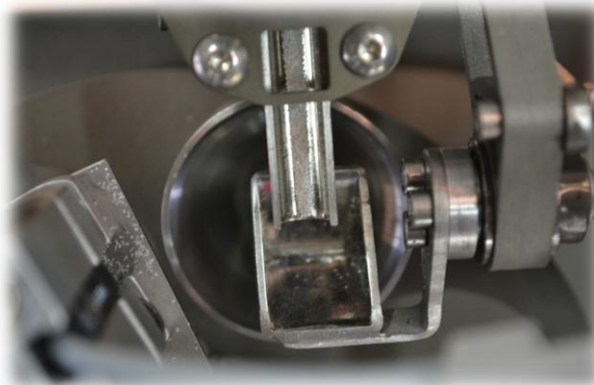
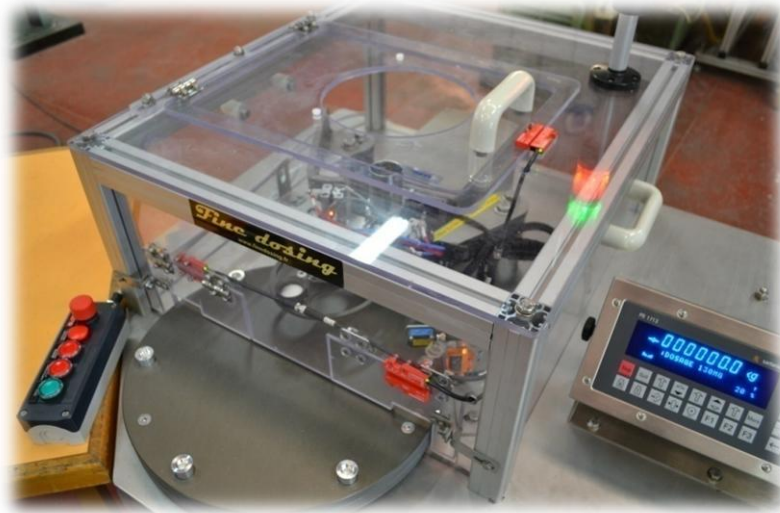
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Integration with a turn table



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