VIBRATORY FEEDER

EPMO vibratory feeder is an innovative solution particularly suitable for tablets that do not flow well in a channel.

This feeder concept is based on that of the chute feeder, on which an electromagnetic vibrator is added under the ramp. This vibrator prevents the tablets from jamming in the grooves.

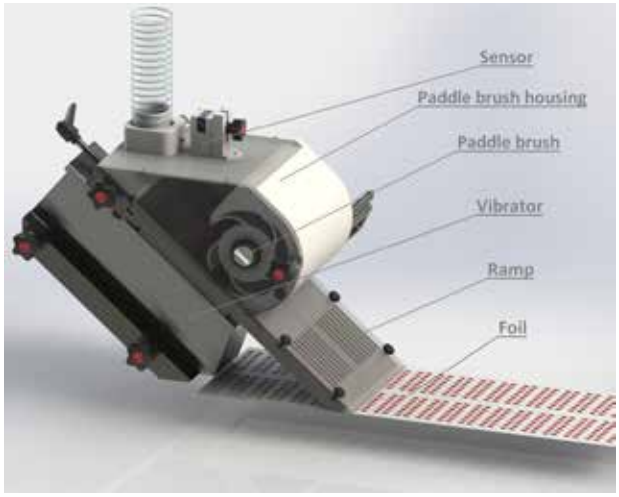
This feeder solution is aimed for purpose built frame use (see sheet BB1) or Combo frame (see sheet BB2).

BA2

VIBRATORY FEEDER

Technical Description

The way it works



Products arrive in the paddle brush housing as required: the level is detected automatically by the sensor.

The paddle brush mixes the products until they slide into the sloping ramp grooves.

The vibrator unit located under the ramp prevents the tablets from jamming in the grooves and facilitates the lowering of the tablets to the foil where they are positionned in the grooves.

The vibratory feeder is a high performing and economic solution especially for machines in continual motion.
However, it is also a judicious solution for intermittent motion machines as their formats are much more economical than most other feeder solutions dedicated to intermittent motion (tube feeder for instance). In this case, the feeder frame has to be installed on a servo-motor driven carriage. The feeder will then move according to foil progress in order to synchronize with the foil feeder speed.
This feeder's simple design allows easy access to grooves, easy cleaning and excellent view of tablets in the feeder.
A tablet shut-off can be added to the vibratrory feeder.
A unit release device can complete the vibratory feeder, if used with alu foil.

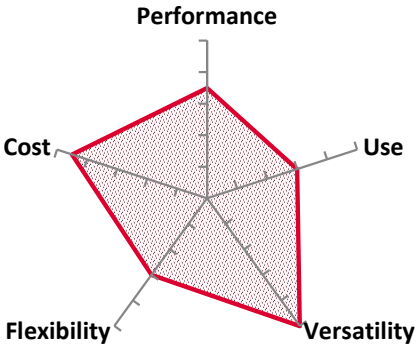
Unit release / alu foil
The vibratory feeder can be used with alu foil as well.
A device with fingers (optional) can be added to the vibratory feeder in order to control the tablet release in the foil.

Options:

- Shut-off for tablet flow on the lower section.
- Dust trap.
- Unit release device for alu foil, synchronized with the progress of the foil.

Advantages

- Versatility: allows to feed complex geometric shape tablets (triangle, square ect...)
- Format cost.
- Easy to use.



BLISTER TOOLING IN SHORT

EPMO has 30 years' experience in thermoforming tooling, as well as in distribution, sorting, vision and cartoning.
Its know-how extends to all types of blister lines, including the most recent.
EPMO operates throughout Europe with the responsiveness of a flexible, efficient structure.
EPMO's design office defines the most appropriate technical specifications and, if necessary, establishes real technical partnerships to develop specific solutions.
EPMO offers a complete range of products and services.

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