



In many manufacturing processes of plastic materials, vibrating-channel feeders play a pivotal role: they weigh and adjust the exact percentage of each component flowing into the process. The vibrating-channel feeders of the DVM series have been designed to automatically and accurately dose master, additives, plastic materials in granulated and flake form used with single-screw and bi-screw extruders.

The feeder consists of:

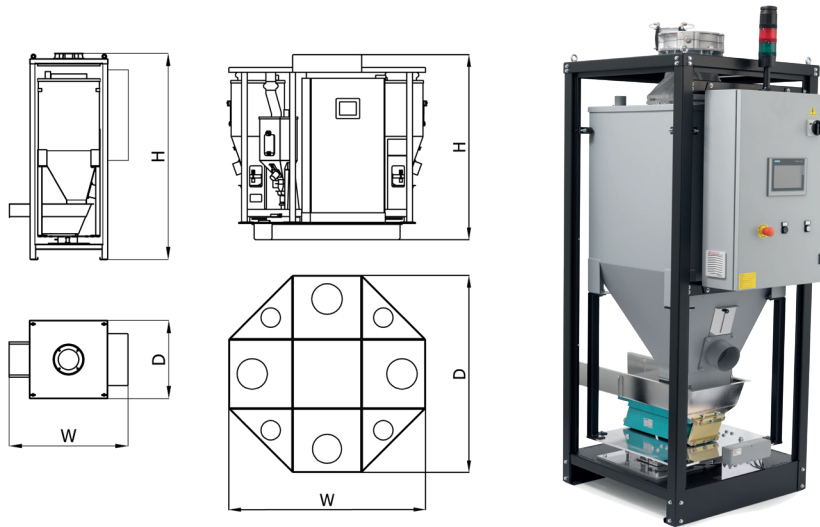
- a solid and compact frame that permits installing from 2 to 8 dosing stations;
- stations installed on load cells with vibrating channels ranging from 50mm to 300mm in width ensuring a high-precision dosing;
- pneumatic butterfly and knife slide gates ranging from 100mm to 300mm in diameter;
- S7 300 Siemens PLC with a dedicated weighing board and a colour touch screen operator interface.



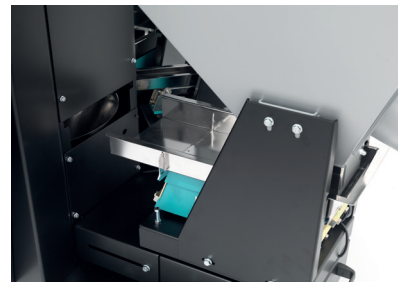
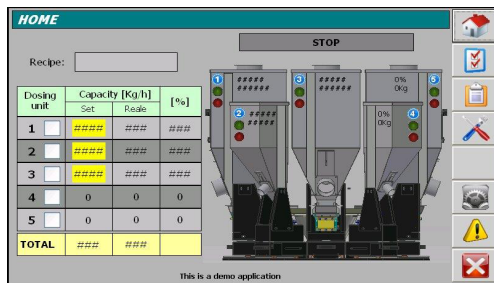
Feeder with 5 components

ADDED VALUE:

- Fast colour change and cleaning thanks to a complete accessibility to the unit.
- Custom-made weighing system.
- Ideal for installations on single-screw and bi-screw extruders.
- The weight-in-loss system shows the composition of the recipe and the actual consumption.
- Magnetic grid on the outlet of each station.
- "Profibus" or "Profinet" interface.



Feeder with 1 component



Technical Data

VIBRATING CHANNELS FOR DVM 1-8				
Channel Width (mm)	Hoppers Volume (dm ³)	Vibrator Power (W)	Granule capacity (kg/h)	Range Scale (kg/h)
50	35	25 W	3-70	-
100	35	50 W	10-200	-
150	160	200 W	30-800	30-200
250	160	200 W	100-2000	30-1000
300	160	500 W	300-4000	200-2500

SCREW				
Auger type (DxP) mm	Hoppers Volume (dm ³)	Auger Power	Transmission	Granule/Microgranule Volume (kg/h)
12 x 8	35	120	1/38	0,2-0,8
16 x 10	35	120	1/24	1-15
30 x 20	80	120	1/38	3-40
30 x 20	80	120	1/15	8-80
50 x 50	160	180	1/15	50-500
80 x 80	160	180	1/24	120-1200