

In many manufacturing processes of plastic materials, vibrating-channel feeders play an essential role nowadays: they weight and adjust the right percentage of each material entering the processing machine.

The series of DVM dosing units has been designed to automatically and precisely dose masterbatches, additives, plastic granules and flake used in single- and twin-screw extrusion systems.

The unit consists of:

- a solid and compact frame that can host from 2 to 8 dosing stations;
- stations installed on load cells with a vibrating channel ranging from 50mm to 300mm in width ensure a high-precision dosing;
- Pneumatic butterfly and knife slide gates ranging from 100mm to 300mm in diameter;
- Siemens S7 300 PLC with a dedicated weighing board and a color touchscreen operator interface.



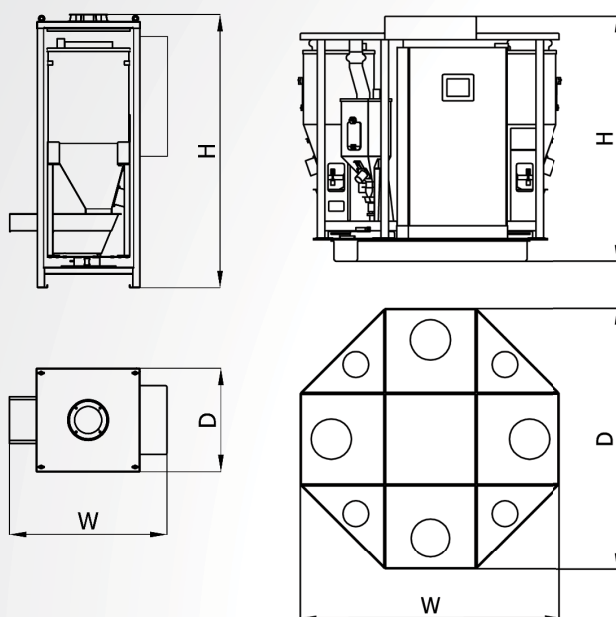
Dosing unit for 5 components



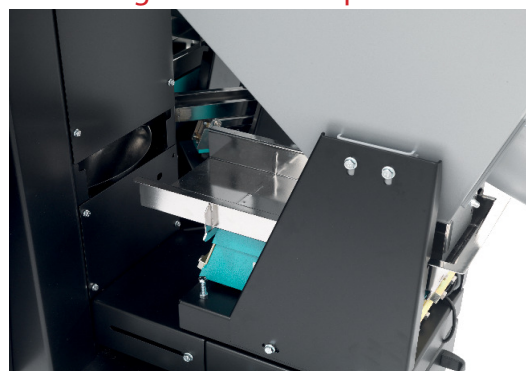
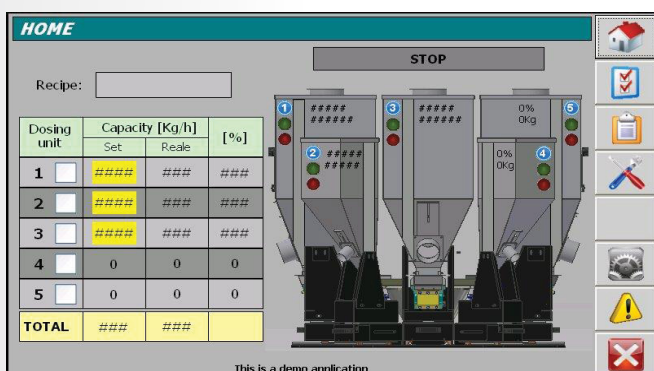
#### ADDED VALUE:

- Easy and quick color change thanks to a complete accessibility to the unit.
- Custom-made weighing system.
- Ideal for installations on single- and twin-screw extruders.
- The weight-in-loss system shows the actual consumption and the composition of the recipe.
- "Profibus" or "Profinet" interface.

## Vibrating-channel feeders



Dosing unit for 1 component



DATI TECNICI		DVM1			DVM6			DVM7		
Throughput per channel (min-max)	kg/h	Channel width	Granule	Flake	Channel width	Granule	Flake	Channel width	Granule	Flake
		100mm	10-200	30-200	50mm	3-70	30-200	50mm	3-70	30-200
		150mm	30-800		100mm	10-200		100mm	10-200	
		250mm	100-2000		150mm	30-800		150mm	30-800	
		300mm	300-4000		200-2500	250mm		100-2000	50-1000	
							300mm	300-4000	200-2500	
Maximum n° of materials		1			2-8			2-8		
Hopper volume	dm³	Channel width	Volume		Channel width	Volume		Channel width	Volume	
		100mm	35		50mm	35		50mm	35	
		150mm	160		100mm	35		100mm	35	
		250mm	160		150mm	160		150mm	160	
		300mm	300		250mm	160		250mm	160	
							300mm	160		
Shaker power	W	Channel width	Power		Channel width	Power		Channel width	Power	
		100mm	50		50mm	25		50mm	25	
		150mm	200		100mm	50		100mm	50	
		250mm	200		150mm	200		150mm	200	
		300mm	500		250mm	200		250mm	200	
							300mm	500		
Voltage/Frequency	V/Hz	230/50-60			230/50-60			230/50-60		
Noise level	dB(A)	<80			<80			<80		
Dimensions WxDxH	mm	1160x765x2010			2050x2050x1910			2500x2500x2280		