

The loss-in-weight feeders of the BD series are suitable for dosing non-free-flowing and hygroscopic powders. The product enters into the hopper manually or through a butterfly valve. A built-in mixer helps to feed the bi-screw so as to avoid problems during the downward movement of the material.

A weighing system with load cell measures any weight variation in real time.

The required throughput is obtained by changing the speed of the screw which is driven by a motor with inverter.

A Siemens PLC controls from 1 to 8 dosing stations.

The operator interface has a 5.7" Siemens touch screen. Also available: Profibus or Ethernet interface.



TECHNICAL SPECIFICATIONS:

- Stainless steel structure.
- Driven by a motor with inverter.
- Control board with a S7 200 Siemens PLC.
- Gearmotor-driven mixer.
- Load cell installed in a protection box.
- Adjustable supporting feet.
- Complete with static mixer.

ADDED VALUE:

- +/- 1% precision on the weight of dosed material.
- Real-time control of the throughput.
- Easy setting of parameters.
- Easy cleaning when changing colour.
- Diagnostics, counters and data tracking.



TECHNICAL DATA		BD20	BD30	BD40
Minimum-maximum throughput	kg/h	1-45	4-150	40-450
Hopper volume	l	6-30	20-60	50-200
Dosing unit motor power	kW	0.18	0.37	0.37-0.55
Voltage/Frequency	V/Hz	400/50-60		
Noise level	dB(A)	<80	<80	<80