

Multi-component gravimetric feeders

Multi-component gravimetric feeders or bio component loss in weight

feeder introduction:

◆ Bio-component or multi-component formula feeder are applicable for simultaneous feeding of several material, moreover, one control system can concurrently govern bio-component or multi-component formula feeders.

◆ Three-component feeder, four-component feeding system, five-component feeding system. These feeders are suitable for multi-material at the same time with one control system for two feeders or more feeders, and are more suitable for production requirements, more smooth and convenient for achieving production process transition.

◆ In a word, our feeder system is more suitable for various production demands, reliable operation, convenient maintenance, and much easy for manufacturing technique transformation.



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feeder applications:

This feeder belongs to static weighing metering, and it is suitable for intermittent feeding or single-pass feeding. It mainly used for the following material:

- ◆ Granules, diffluent powder.
- ◆ Regular and uniform granular material
- ◆ Strict with the material.

In other words, multi-component feeders are not suitable for powder and poor liquidity materials, because it has an bad effect on the environment when the material is powder.

Multi-component or bio component gravimetric feeders Characteristics:

- ◆ Wide range of application, suitable for plastic granules, power, calcium carbonate, talcum powder, resin membrane powder, flour, starch and so on.
- ◆ Convenient assembly and disassembly, easy to clean up.
- ◆ Technical strength, German original technical equipment, performance pre-sales guidance service.
- ◆ Stable discharging performance, high precision, wide range of output capacity.
- ◆ The static accuracy of loss-in-weight can reach 0.1%, repetitive dynamic accuracy can reach 0.3%.
- ◆ The control instrument of weight loss scale choose RWC-800CF, high precision, high anti-interference performance and more real-time.
- ◆ Sensor chooses Ronan high precision strain-gauge, laser seal welding has advantages of high precision and good reliability. Suitable for bad conditions.



Melt Pumps:



Screen Changers:



Loss in Weight Feeders:



Control Systems:



◆ Flexible control system: This system can achieve manual & automatic control feeding, material makeup. Free changeover between manual mode and automatic mode.

Multi-component gravimetric feeders or bio component loss in weight feeder parameters:

Type	Feeding Rate	Feeding Accuracy (%)	Blending Motor Powder	Internal Resolution of Weighing Chip
BAT-LF-2	10-1000L/H	more or less 0.5%	0.75 KW	1/2 million
BAT-LF-3	10-1500L/H	more or less 0.5%	0.75 KW	1/2 million
BAT-LF-4	10-2000L/H	more or less 0.5%	0.75 KW	1/2 million
BAT-LF-5	10-2500L/H	more or less 0.5%	0.75 KW	1/2 million
BAT-LF-6	10-3000L/H	more or less 0.5%	0.75 KW	1/2 million
BAT-LF-7	10-3500L/H	more or less 0.5%	0.75 KW	1/2 million

Notes: The feeding capacity and accuracy will be affected by different materials.

Batte Main Products

Melt Pump Series:

- ★ [ZB-B standard extrusion melt pump](#)
- ★ [ZB-C reinforced melt pump for extrusion](#)
- ★ [ZB-D gear pumps for pipeline](#)
- ★ [ZB-E pressurized melt pump](#)
- ★ [ZB-F melt pump for reactor](#)
- ★ [ZB-H high pressure extruder pump](#)
- ★ [ZB-K polymer discharge gear pump](#)
- ★ [ZB-R extrusion rubber pump](#)

- ★ [RS double shaft rubber gear pump](#)
- ★ [ZB-U spinning pump](#)
- ★ [ZB-W chemical metering melt pump](#)
- ★ [ZB-X gear metering chemical pump](#)
- ★ [New type melt pump](#)
- ★ [Melt pump spare parts](#)
- ★ [PID control system for extruder](#)
- ★ [PLC control system for extrusion line](#)
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Screen Changer Series:

- ★ [Manual screen changer](#)
- ★ [Slide plate screen changer](#)
- ★ [Continuous piston screen changer](#)
- ★ [Continuous backflush screen changer](#)
- ★ [Automatic belt screen changer](#)
- ★ [Pelletizer filter without wire mesh](#)
- ★ [Screen changer spare parts](#)
- ★ [PDF download](#)

Loss in Weight Feeder Series:

(For granule, sheet, powder, liquid, etc.)

- ★ [Loss in weight screw feeder](#)
- ★ [Volumetric screw feeder](#)
- ★ [Liquid polymer feed system](#)
- ★ [Multi-component gravimetric feeders](#)
- ★ [Gravimetric feeder control system](#)
- ★ [Feeding system](#)
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