

### Twin screw loss in weight metering feeder

#### **Introduction of Twin screw loss in weight metering feeder**

Batte feeding system with high accuracy can totally satisfy the fields of pharmaceutical industry, chemical industry, food, plastic and rubber and so on. Configurable options can meet factories' demand in hygiene, explosion-proof, water proof, antiseptic and other regulation demands.



#### **Application of Twin screw mtering feeder**

In the extrusion processing, it is common to add many material (such as color, flame retardant, glass fiber and so on) into extruder. In the process of continuous extrusion production, various material should be added to extruder continuously synchronized. And the adding speed of these materials should depend on corresponding formula, so metering feeder is necessary to control the adding speed. And one metering feeder control one material.

Loss-in-weigh feeders is suitable for plastic granules, powder, calcium carbonate, talcum powder, resin membrane powder, flour, starch and so on. Different material use different feeders.

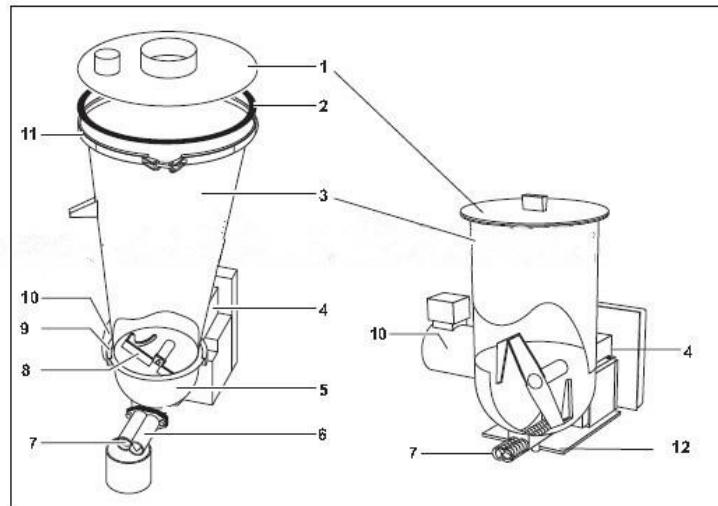
#### **Characteristics of Twin screw feeder**

- ◆ Generous and beautiful appearance: comparing with traditional feeders, Batte dose more improvements on feeders' appearance.
- ◆ Small in size: easy to move, more suitable for changing and improving production process.
- ◆ Low noise: comparing with other feeders, noise of Batte feeders is up to perfect.

- ◆ Easy to clean and maintain: it's easy to maintain in operation, meanwhile, very short maintenance time. Especially the control system, adopting the leading software and hardware, are nearly free-maintenance and long-service life.
- ◆ High feeding accuracy: Batte adds self-detection function when designing its feeders for more accuracy, it allows to detect attritions of parts and frequency variation timely, then revise them. So the feeder will not affect the feeding precision because a little change of the machine.

#### Structure of Twin screw loss in weight feeder

- (1) Hopper lid
- (2) Seal
- (3) Hopper
- (4) Gearbox for agitator and feed screw
- (5) Agitator hopper
- (6) Outlet tube
- (7) Feeding screws
- (8) Horizontal agitator
- (9) V-clamping ring
- (10) Motor
- (11) v-clamping ring
- (12) Base plate



#### Parameters of Twin screw loss in weight metering feeder

Type	Screw specification	Capacity (L/H)	Driving power (kw)	Hopper (optional)	Feeding accuracy
BAT-MF-TS28	28	10-200	1.1	40-80	±0.2%
BAT-MF-TS38	38	30-400	1.1	40-100	±0.2%
BAT-MF-TS46	46	50-800	1.5	40-120	±0.2%
BAT-MF-TS64	64	60-1200	2.2	40-150	±0.2%

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

#### Parameters of Twin screw loss in weight feeder

Type	Screw specification	Capacity (L/H)	Driving power (kw)	Hopper (optional)	Feeding accuracy
BAT-TF-TS28	28	10-200	1.1	40-80	±0.5%
BAT-TF-TS38	38	30-400	1.1	40-100	±0.5%
BAT-TF-TS46	46	50-800	1.5	40-120	±0.5%
BAT-TF-TS64	64	60-1200	1.5	40-150	±0.5%

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

## The other Products



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- [Single screw gravimetric dosing feeder](#)
- [Single screw gravimetric feeder](#)
- [Twin screw loss in weight metering feeder](#)
- [Twin screw loss in weight feeder](#)
- [Volume feeding machine \(single screw,twin screw\)](#)
- [Micro loss in weight metering feeder](#)
- [Micro loss in weight feeder](#)
- [Liquid loss in weight feeder](#)
- [Multi-component loss in weight feeder](#)

- [Double plate hydraulic screen changer](#)
- [Manual control screen changer](#)
- [Double piston four screen cavities screen changer](#)
- [Automatic mesh belt continuous screen changer](#)
- [Single piston screen changer](#)
- [Single plate screen changer](#)
- [Double piston double screen cavities screen changer](#)
- [Four screen cavities backflash screen changer](#)



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- [ZB-B Gear melt pump](#)
- [ZB-C Extruder melt pump](#)
- [ZB-D Extruding pump for polymer](#)
- [ZB-E Pressurized melt pump](#)
- [ZB-F Melt pump for reaction kettle](#)
- [ZB-H High temperature and high pressure melt pump](#)
- [ZB-K Polymer melt pump](#)
- [ZB-R Gear pump for rubber extruder](#)
- [ZB-U Spinning gear metering pump](#)
- [ZB-X Chemical transporting and dosing pump](#)



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