

Micro Doser



Refer carefully to this manual before operation.

SGD-Micro

■ Feature

● Small Dose Accuracy

With accuracy of up to a single pellet, the patented small dose gravimetric feeder uses a single vibrating channel to accurately and consistently deliver the correct dose.

● Easy Calibration & Less Maintenance

Calibration and maintenance time is reduced as the single channel is used for nearly all additives, handles wide range of feed rates and is easily cleaned between jobs.

● Nearly All Types of Additives

Pellets

Several types of regrinds

Several types of powders

Micro-granules

● Full Automatic control

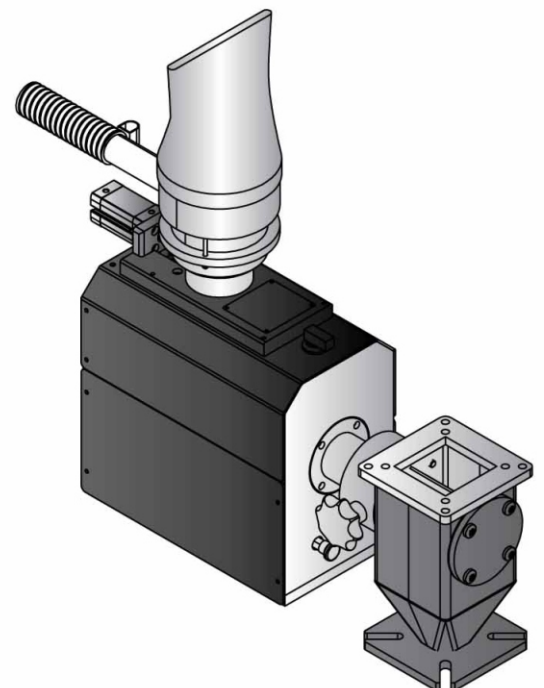
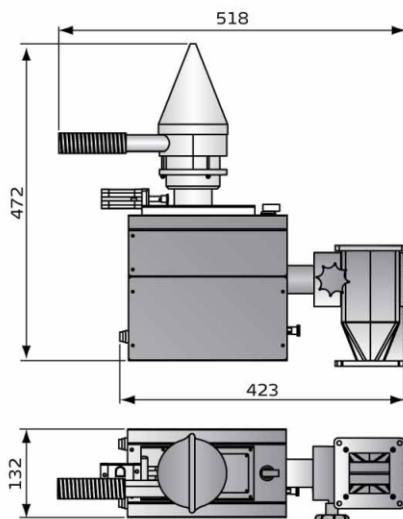
Small product manufacturers no longer can finally take a break from manual mixing, difficult calibration, product rejects and over-consumption of masterbatch additive.



■ Application

The small dose gravimetric feed is applicable to small dosage weighing and mixing on the small product line.

■ Outline Drawings





■ Specification

Feature	Spec.
Hopper	550cc
Output Range	≤40g/min.
Dosing Technique	Vibration system
Controller	Separate unit with touch screen display
Weight Resolution	0.1g
Loader	Optional integrated Venturi loader
Mouting & Feeding	Via neckpiece adapter, directly into machine throat
Alarm Output	N/O, dry contact
Weight	7.8kg
Power	100-240V, 50/60 Hz, 20V/A

Application	Injection Molding	Extrusion	Extrusion Blow Molding
Operation Principle	Batch operation. Online metering and control of additive batches	Continuous operation. Online metering and control of additive flow (g/h)	Continous operation. Online metering and control of additive flow rate (g/h)
Set Point	Setting of desired additive percentage and shot weight	Setting of desired additive flow rate (g/h) or desired percentage from extruder throughput	Setting of desired additive percentage and product weight
Input Signal	Dry contact input for synchronization with plasticizing cycle (and optional with injection cycle)	Dry contact input for synchronization with extruder on/off operation and analog input 0-10v or digital input relative to extruder's speed (rpm)	Dry contact input for synchronization with extruder on/off operation and dry contact input from blowing machine for synchronization with blow cycle
Data Recording	Accumulated number of injection cycles and additive weight	Accumulated data (total additive consumed)	Accumulated total additive consumed and the number of cycles
Communication	TCP/IP	Optional TCP/IP	TCP/IP

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