

COLORSAVE MICRO – GRAVIMETRIC DOSING UNIT FOR SMALL IMM'S

FEEDING BY WEIGHT OF MASTERBATCH AND OTHER ADDITIVES



- > Only two input settings required
- > Significant savings in Masterbatch consumption providing short payback time
- > Simple and easy operation with automatic calibration
- > On-line control of the Masterbatch/additive flow rate in % or kg/hr
- > Guaranteed accuracy & repeatability
- > Automatic integrated venturi vacuum loader
- > Other loading options available
- > Automatic self-adjustment if there is any deviation from required Masterbatch weight
- > Multiple units can be mounted on one neckpiece
- > Easy maintenance & cleaning
- > The high-precision load cell is protected against mechanical damage

- > Compact mechanical design and low hopper profile, suited to any mounding or extrusion machine
- > Optional RS-485 communication output

DESCRIPTION

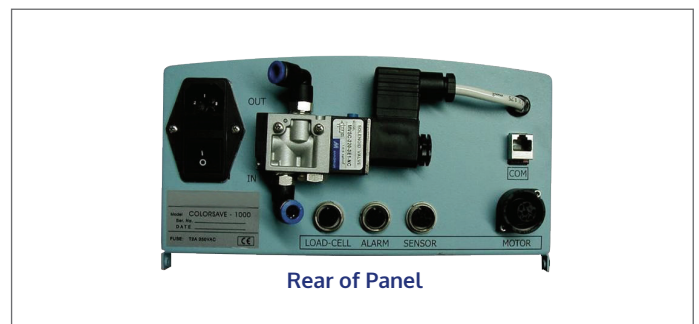
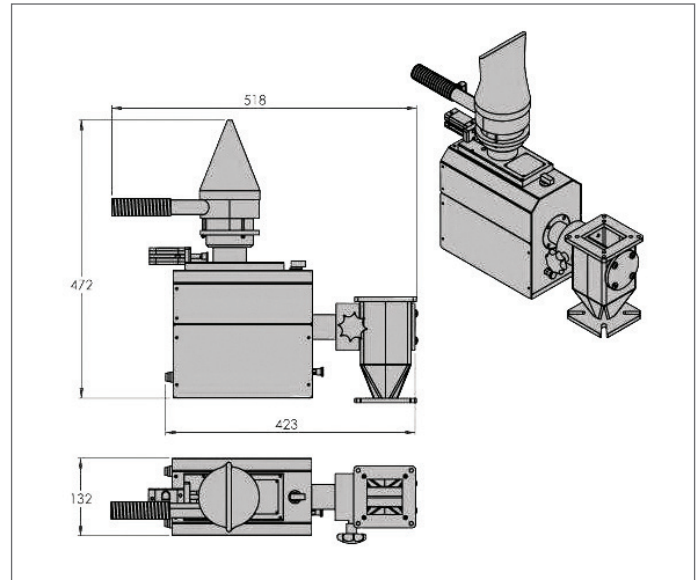
The ColorSave-Micro Additive Feeder brings the advantages of dosing by weight to small plastics processing machines, the processor can now be certain that the correct and consistent % of masterbatch and/or other additive is being dosed to the machine avoiding manual mixing, difficult calibration, product rejects and over-consumption of additive.

The ColorSave-Micro can be set to dose the required quantity of additive by kg/hr or by a % of the virgin material. The quantity of material is controlled by weight not volume. So variations in the bulk density or shape of granule do not affect the dosing accuracy.

! Jenco also offers a wide range of Hopper Loaders, Gravimetric Blenders, Single and Twin Desiccant Bed Dehumidifying Dryers, Crystallisers, Drying Hoppers up to 10,000 litre capacity and Complete Central Systems

TECHNICAL DATA

FEATURE	SPECIFICATION
Hopper	550cc
Output Range	Up to 80 g/minute
Dosing Technique	Vibration system
Controller	Separate touchscreen HMI
Weight Resolution	0.1g
Loader	Optional integrated loader
Mounting	Neckpiece on m/c throat
Alarm Output	Volt free contact
Weight	7.8 kg
Power	100-240v, 50/60hz, 20 V/A



APPLICATION VERSION	INJECTION MOULDING	EXTRUSION	EXTRUSION BLOW MOULDING
Operation Principle	Batch operation. Online metering and control of additive batches	Continuous operation. Online metering and control of additive flow rate (g/hr)	Continuous operation. Online metering and control of additive flow rate (g/hr)
Set Point	Setting of desired additive percentage and shot weight	Setting of desired additive flow rate (g/hr) or desired percentage from extruder throughput	Setting of desired additive percentage and product weight
Input Signal	Dry contact input for synchronisation with plastising cycle (and optionally with injection cycle)	Dry contact input for synchronisation with extruder on/off operation and analog input 0-10vdc or digital input relative to extruder speed (rpm)	Dry contact input for synchronisation with extruder on/off operation and dry contact input from blowing machine for synchronisation with blow cycle
Data Recording	Accumulated number of injection cycles and additive weight as well as average percentage	Accumulated data (total additive consumed)	Accumulated total additive consumed in g and number of cycles
Communication	TCP/IP	Optional TCP/IP	TCP?IP