

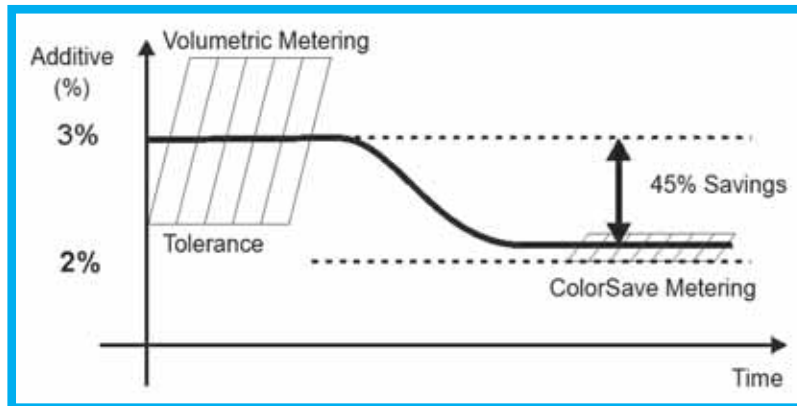
A state-of-the-art, cost-effective single component gravimetric feeder for color concentrate and additives for injection molding machines and extrusion.

Comet's ColorSave 1000F gravimetric feeder for color concentrate and additives is designed to be installed on injection molding machines and extrusion to obtain the highest possible accuracy and mixture consistency. Using the ColorSave 1000F gravimetric feeder instead of a volumetric feeder ensures overall savings by reducing the color concentrate tolerance values.

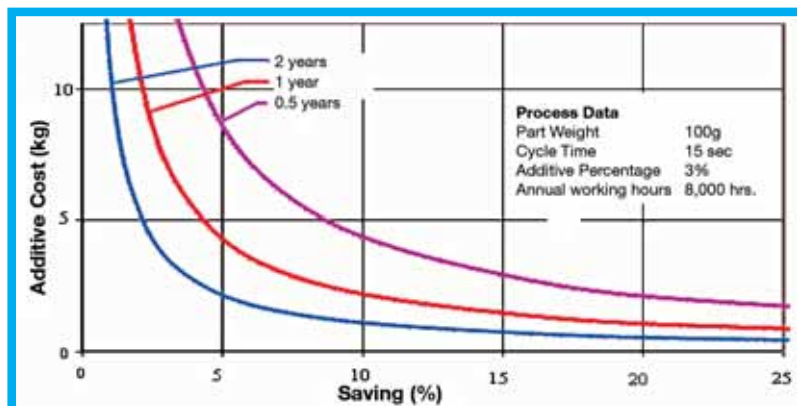
Significant Savings

When compared to other volumetric feeders on the market today, the ColorSave 1000F will save up to 50% in color concentrate/additives, save up to 35% when compared to remote batch blenders, and up to 15% compared to on-the-machine throat batch blenders.

The diagrams below show the comparative savings calculated on the basis of the actual performance of volumetric feeders.



The return on investment with the ColorSave 1000F (ROI) is 3-12 months (depending on the specific user conditions) because it reduces color concentrate/additive consumption.



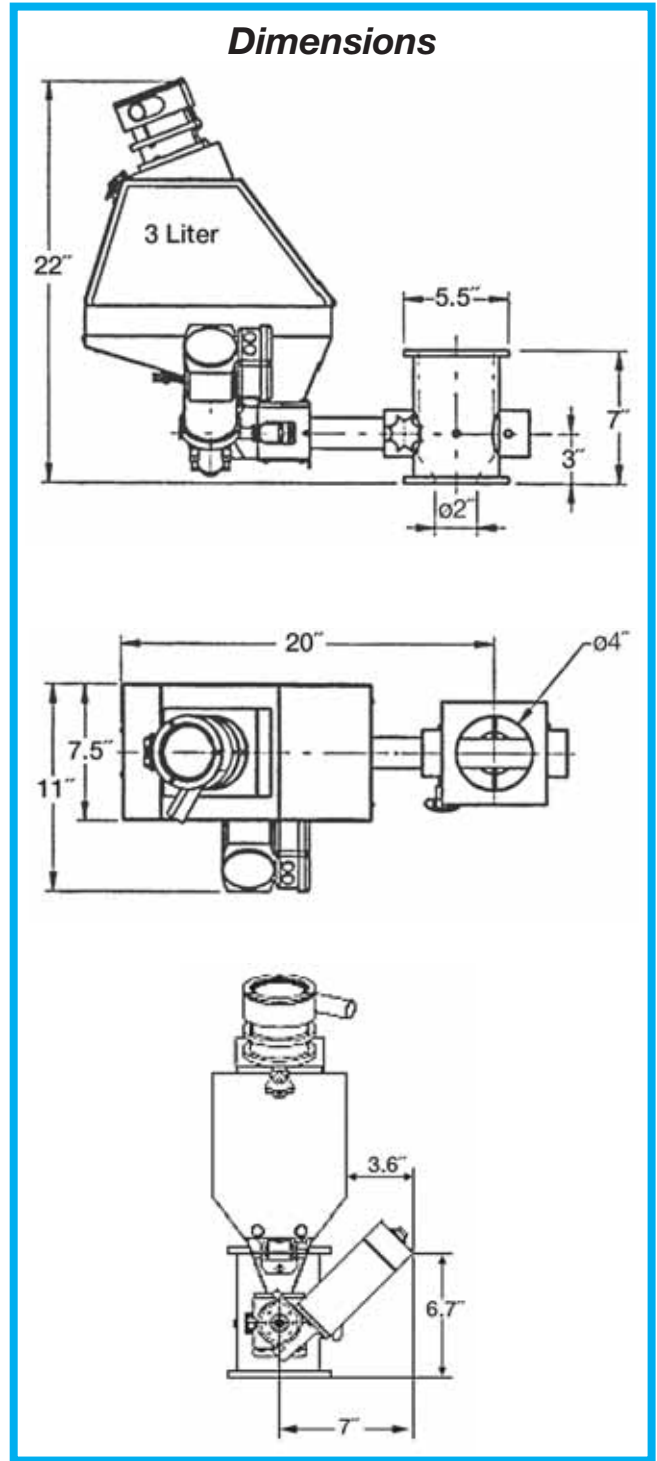
Calculated return on investment (ROI) with the ColorSave 1000F using the cost of color concentrate/additive (kg) and savings levels (%) as functions.

Features

- Precise, accurate consistency prevents material over-metering.
- Loss-in-weight control function for optimum adjustment of the operating point.
- Improves final product quality.
- Reduces number of rejects.
- Simple operation with automatic calibration (zero setup time) ensuring maximal efficiency.
- Consistent delivery of shot-weight.
- Real-time data collection and management of color concentrate consumption using proprietary control software.
- Innovative design and algorithms ensure excellent resistance to mechanical shocks and vibrations.
- Integrated automatic Venturi vacuum loader.
- Easy replacement of feed screw.
- Easy maintenance and cleaning when switching colors.
- Compact mechanical design and low hopper profile, suited to any injection molding machine or extrusion.

Feature	Specification
Operation Principle	Loss-in-weight metering online gauge and control of MB/ADD batches
Load Cell	33 lb max., temp. compensated
Hopper	3 liter (painted steel/stainless steel)
Additive Loading	Automatic Venturi vacuum loader
Alarm Output	N/O dry contact, 24V/30mA max. Activated at: filling/overdose failure / calibration error
Driving Motor	Maintenance-free, permanent magnet DC motor 100W
Extruder Synchronization	Dry contact from extruder with optional 0-10 VDC analog input
Operation & Setup	Setting of desired MB/ADD flow rate or extruder consumption
Controller	Powerful, sophisticated controller, with alphanumeric display Communication port (optional)
Data Recording	Total time, total weight
Communication	TCP/IP protocol (optional)
Mounting	Neckpiece adapter and quick-release star knobs
Power	230V or 115V +/-10%, 2 A, 200W, 50-60 Hz Fuse rating: 2
Installation Category	Over-voltage category 2
Weight	48.5 lbs

Specifications and dimensions are subject to change without notice.



Feed Throat Transitions



Feed Screws Available		
Micro Capacity	No. 1.1	2 pellets/shot to 0.44 lbs/hr
Low Capacity	No. 1.1	0.2 lbs/hr – 5.5 lbs/hr
Medium Capacity	No. 2	.44 lbs/hr – 22 lbs/hr
High Capacity	No. 3	0.9 lbs/hr – 40 lbs/hr
Extra Capacity	No. 4A 3/4"	1.3 lbs/hr – 40 lbs/hr



The efficiency of the device depends on matching the type of feed screw to the technological conditions and properties of the materials used. We will recommend the preferred feed screw according to your requirements.

