

# ColorSave<sup>®</sup>-Micro

## Small Dose Gravimetric Feeder



 **LIAD**  
An AMPACET Company

**Innovation**  
*In Every Dose*

“ Since installing the ColorSave-Micro on our small product line, we have not had a single reject due to color.”

**TAVMedical**, Contract Manufacturer of Medical Device Components

## The only gravimetric feeder designed specifically for small products!



**ColorSave-Micro** is the only gravimetric feeder that provides consistent accuracy for small doses, while eliminating many of the tasks associated with calibration and maintenance.

### Small Dose Accuracy

With accuracy of up to a single pellet, the patented ColorSave-Micro 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

ColorSave-Micro supports nearly all additives:

- Pellets
- Several types of regrinds
- Several types of powders
- Micro-granules

Small product manufacturers can finally take a break from manual mixing, difficult calibration, product rejects and over-consumption of masterbatch additive.

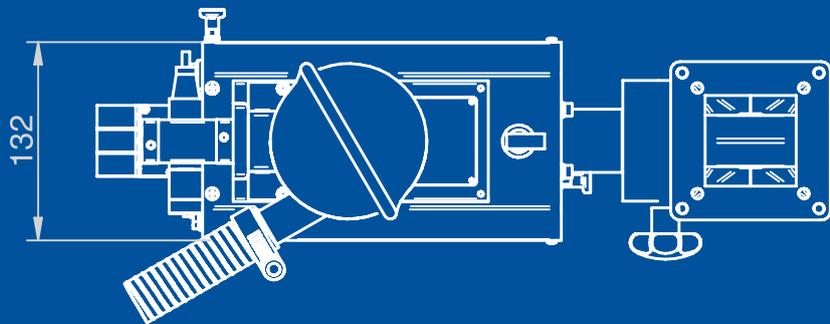
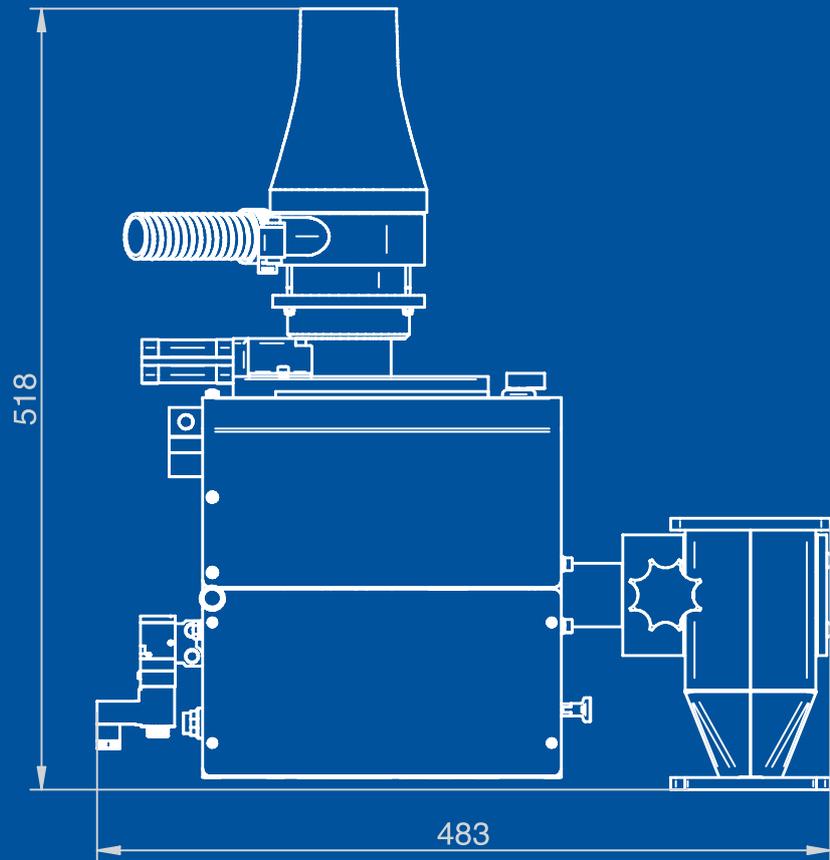


## ColorSave-Micro Specifications

Feature	Specification
Hopper	640cc
Output Range	up to 80 g/minute
Dosing Technique	Vibration system
Controller	Separate unit with touchscreen display
Communication	Modbus TCP/IP
Weight Resolution	0.01g
Loader	Optional integrated Venturi loader
Mounting & Feeding	Via neckpiece adapter, directly into machine throat
Alarm Output	N/O or N/C dry contact 0V, optional 24V/30mA max.
Weight	7.8 kg (feeder) / 5 kg (controller)
Power	100-240V, 50/60 Hz, 20 V/A

## ColorSave-Micro Applications

Application Version	Injection Molding	Extrusion	Extrusion Blow Molding
<b>Operation Principle</b>	Batch operation. Online metering and control of additive batches	Continuous operation. Online metering and control of additive flow rate (g/h)	Continuous operation. Online metering and control of additive flow rate (g/h)
<b>Set Point</b>	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
<b>Input Signal</b>	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
<b>Data Recording</b>	Accumulated number of injection cycles and additive weight	Accumulated data (total additive consumed)	Accumulated total additive consumed in g and number of cycles



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Tel: +972-4-9028800 • Fax: +972-4-9028818 • e-mail: [prod@liad.co.il](mailto:prod@liad.co.il)

POB 10, Sky St., Misgav Industrial Park 2017400 Israel

[www.liad.co.il](http://www.liad.co.il)