



LIAD Weighing & Control System Ltd.

ColorSave -Huge Masterbatch Saving Potential

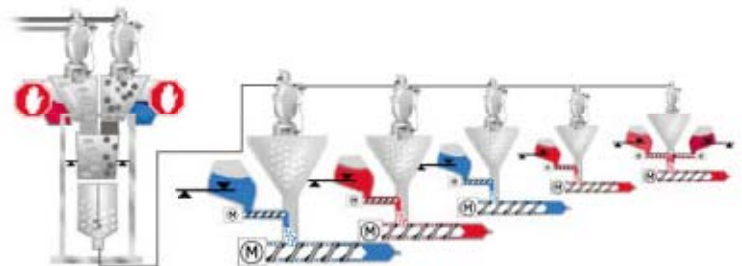


● The **ColorSave 1000** masterbatch/additive loss-in-weight feeder combines the advantages of gravimetric feeding control with the advantages of additive feeding directly into the main material flow – **saves on average 33% - in some cases 50%** - of masterbatch and additives consumption

The **ColorSave** series is developed by **LIAD Leader In Advanced Dosing.**

- Considerable savings in masterbatch and other additives
- Dosing and metering of up to 4 additives as well as main material (XT version)
- Highest blend accuracy
- Excellent reliability
- Best blend homogeneity
- Real-time data acquisition
- Zero setup time
- Easy cleaning when changing additives
- Compact installation directly at the machine throat

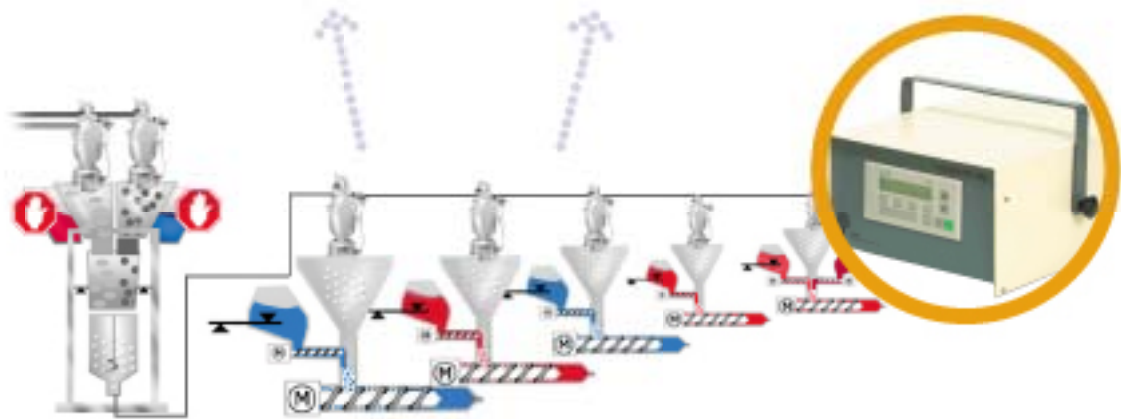
The **ColorSave 1000** and the **ColorSave 1000 XT** are complete systems, including every part needed for successful operation and easy installation, and providing many advantages



The **Optimized Feeding Method**

The **ColorSave** is protected by worldwide patents

ColorSave PC Software



Based on LIAD's proprietary technology, the ColorSave PC web-based software offers a unique combination of advantages for the plastics industry.

This sophisticated real time production and process monitoring system results in:

- Dramatic savings in masterbatch and additives
- Significant improvement in the production process
- Complete control of raw materials, especially masterbatch/additives

The **ColorSave PC software** is timely and accurate, providing via ColorSave's Siemens controller:

- Real time data acquisition
- Long-term data storage
- Two-way interface with ColorSave feeders

The **ColorSave controller display** enables the operator to report from the production floor the reasons for downtime from a list, as well as total scrap by % and parts, and reasons for scrap from a list.

The simple to operate program

- Monitors cycle time
- Tracks and records occurrences
- Tracks and records job orders progress
- Generates real time and historical reports for job orders, dosage, machines, cycle times, shifts, and materials
- Stores material recipes and much more

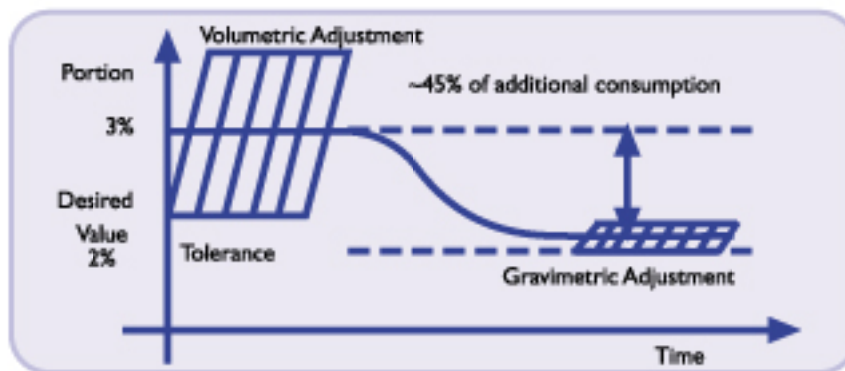




Considerable Savings with ColorSave 1000

The ColorSave 1000 series for injection molding machines and the ColorSave 1000 XT series for extrusion lines are gravimetric dosing and metering systems. The units are designed for direct installation on top of the extruder with a loss-in-weight operating principle that achieves the highest blending accuracy and homogeneity.

The following illustration shows the potential for lowering the desired dosing value by reducing the tolerance with ColorSave 1000.



- ⦿ Experience has proven that savings of up to 50% are possible when ColorSave 1000 replaces a volumetric blender on a plastic processing machine.
- ⦿ Practical examples have proven that savings of up to 35% are possible when masterbatch dosing was moved from a remote gravimetric batch blender to a ColorSave 1000 installed directly at the throat of the processing machine.
- ⦿ Many ColorSave 1000 systems have replaced other gravimetric blenders, which were installed directly on the extruders of processing machines, resulting in up to 15% masterbatch and additive savings.

The ColorSave 1000 series insures considerable masterbatch and additive savings, better product quality and lower rejects, resulting in a very short pay back time.

One example
of how our **customers** save with the
ColorSave



To: LIAD Weighing & Control Systems
Att: Eli Printz, Eli Margalit
Re: ColorSave 1000

January 27, 2004

After the successful installation of the new color feeder, we have experienced several improvements in our quality and throughput as a result of the system. We changed this system from the liquid color system, and the results are unbelievable. For example:

1. Our scrap rates have decreased by 10% due to the consistency in the flow of the color.
2. Downtime due to lack of color has been eliminated.
3. We have also decreased the variance in batch sizes.
4. The accuracy of the ColorSave 1000 is perfect.
5. We saved 33% on color usage and 20% in cost for the total amount of concentrate color being used versus the liquid colorant.
6. This system is very stable and requires minimal material handling.
7. The system's simplicity has allowed us to decentralize its maintenance.

The payback on the investment in our plant is 4 months.

Overall, we have been very pleased with the ColorSave 1000 and would recommend it to any manufacturing facility. The overall improvement in material flow has been remarkable.

Sincerely,
Charlie Ozana
Director of Engineering
Resin Partners, Inc. Home Design Products
602 S. Fairview
Alexandria, IN 46001

Installation in a Swiss plant 

For more details about the ColorSave range of solutions, please go to

www.colorsavel000.com

LIAD Weighing & Control Systems Ltd.

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