

PelletSave®

A Complete Central Blending and Feeding Solution for Plastics Plants



LIAD

Weighing and Control Systems Ltd.

Innovation
In Every Dose

The PelletSave is a modular central blending and gravimetric feeding system for multi-ingredient/multi-processing-machine combinations, custom-engineered to meet customers' needs. The PelletSave is extremely cost-effective, and incorporates a sophisticated software package enabling comprehensive formulation and consumption control for a complete plant.

By means of a uniquely designed central mechanical dosing structure, combined with innovative control software, PelletSave is able to prepare the required weighed batch and to convey it separately to each of the plant's processing machines, according to each specific job requirement.

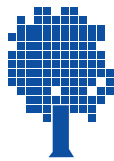
PelletSave Advantages:

- Significant saving in initial installation costs compared to local dosing systems
- Up to 12 ingredients in each mixture and up to 50 processing machines (extruders, injection molding or extrusion blow molding machines)
- A complete solution for all processing machines, big and small, with a unified and simple operation method
- High dosing accuracy and homogenous blending capabilities
- Sophisticated software controls mixture formulation, preparation and destination
- No need for manual intervention (opening/closing valves, changing hoses, cleaning off residue, etc.) when switching to new job with different mixture composite
- Easy and reliable central data collection for total material consumption for each processing machine and specific job
- Mechanically simple and robust, with few moving parts compared to conventional systems

General Configuration:

The system is composed of the following sub-systems:

1. Raw material intermediate hoppers (bins) – one for each anticipated ingredient. These bins are automatically fed from raw material storage silos via a vacuum conveying system and loaders.
2. Central weighing, blending and feeding unit – prepares the required mixed batch for each specific machine and job.
3. Dispenser unit and mixed material buffer bins – a conveyor conveys the prepared mixture from the mixing chamber into the buffer bins. A vacuum conveying system and loaders convey the material to the processing machine.
4. Central controller – controls the complete system operation and collects material consumption and job order data.



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