



GRAVIFEED

GRAVIMETRIC LOSS-IN-WEIGHT CONTINUOUS BLENDER
FOR STARVE FEED EXTRUDERS

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Continuous gravimetric blender, designed to blend pellets, regrind and flakes in extrusion processes where key-factors are the dosing accuracy and the capability to follow and compensate the variations of unstable processes.



MAIN FEATURES

- Quick and easy access to all parts.
- Drain spout for quick and complete feed hopper emptying.
- Clean out doors for fast removal of dust or ingredient residues and for visual inspection.
- Self-supporting structure prearranged for vacuum receiver installation without additional supports.
- The on-board control box does not require any floor space.
- PLC based control, CPU x86 100 MHz Intel compatible (or superior).
- Standard type load cells, high resolution weighing system (16 bit A/D converter) to maximize analog accuracy.
- Flashing alarm signal and diagnostics in plain text.
- No scheduled maintenance is required.
- Reduced installation costs. Complete wiring of the dosing unit is factory made.

VIBRATORY TRAY FEEDERS



- Each ingredient (main and additives) is continuously metered by individual vibratory tray feeders.
- Therefore the system is suitable to feed pellets and also regrind and flakes, with a wide variety of bulk densities and flowability.



Free flowing pellets and granules

Flakes

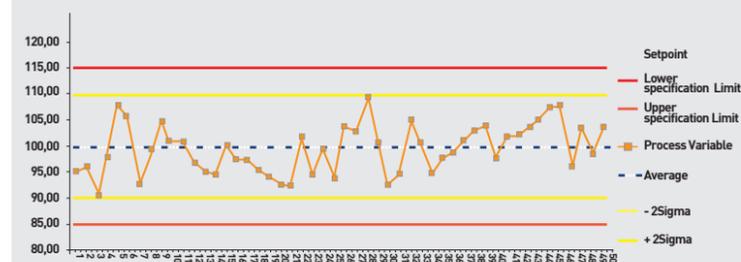
Regrind



FULL GRAVIMETRIC CONTINUOUS LOSS-IN-WEIGHT BLENDING

- Our latest state-of-the-art control software coupled with the most performing PLC's and load cells.
- Highest level of accuracy and precision.

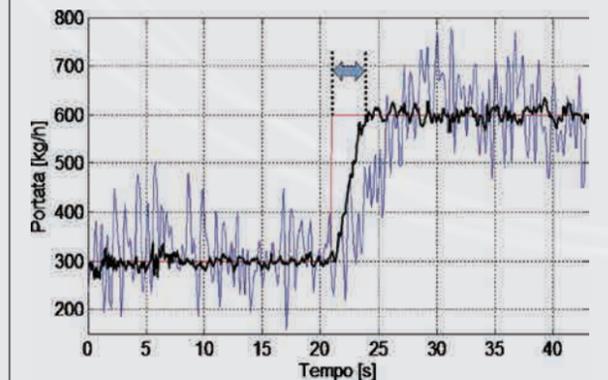
An advanced weighing system, immune to background "noises", for the highest degree of accuracy during the dynamic control stages.



WIDE RANGE OF NETWORKING OPTIONS FOR REMOTE CONTROL AND DATA ACQUISITION

- OPC via Ethernet (one entry-point)
- OPC via CanBus (one entry-point or multi entry-point)
- ModBus TCP/IP (one entry-point)
- RS485/422 ModBus (one entry-point or multi entry-point)
- Profibus (one entry-point or multi entry-point)
- CanBus (one entry-point or multi entry-point)

- Efficiency of the measurement and control systems results in the highest degree of precision during the dynamic phases of the process, in which the system can accurately follow any change in the throughput inputs in real time and, consequently, offset melt pressure variations instantaneously.



MODELS AND THROUGHPUTS

Model	Min. Kg/h	Max Kg/h	Ref. PSA
Small	5 Kg/h	200 kg/h	0,57
Medium	40 Kg/h	750 kg/h	0,35
Large	80 Kg/h	1500 kg/h	0,35
Extra large	150 Kg/h	2500 kg/h	0,35



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