

Gravimetric Dosing Units



Cost reduction in processing of additives

Digicolor dosing units now work more efficiently due to a new powerful motor. Robust components and a nitrided screw are combined with a self-optimizing control and a unique gravimetric hopper design. Due to this design the load cell is protected against external influences, allowing precise processes in an industrial environment

Based on continuous measuring of real throughput by the dosing control and automatic adjustment of masterbatch throughput overdosage is avoided at all times.

Advantages

- Accurate dosing through weighing – dosing accuracy $\pm 0.1\%$ (depends on dosing quantity/material)
- Dosing depends on the received dosing and injection pulse of the injection moulding machine
- Up to 30% material saving compared to volumetric dosing systems
- Stainless steel hopper combination (internal/external hopper) with load cell inside
- Speed feedback allows nominal-actual value comparison and increases dosing accuracy
- Speed synchronization with the extruder
- Connection for visualization system (Modbus-TCP)
- Integrated venturi feeding control
- Intuitive operator guidance
- Suitable for all free flowing master and minibatches, additives as well as regrind

Product range

- DCG-18 throughput up to 7 kg/h, 1 component
- DCG-38 throughput up to 70 kg/h, 1 component



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