

# COMPO

## CONTINUOUS GRAVIMETRIC FEEDER

Continuous gravimetric multi-ingredient feeder, designed to blend pellets in extrusion processes which require precise and consistent blending. Unaffected by vibrations, COMPO has been designed to be easily mounted directly onto the extruder throat to replace the conventional feed hopper.



### MAIN FEATURES

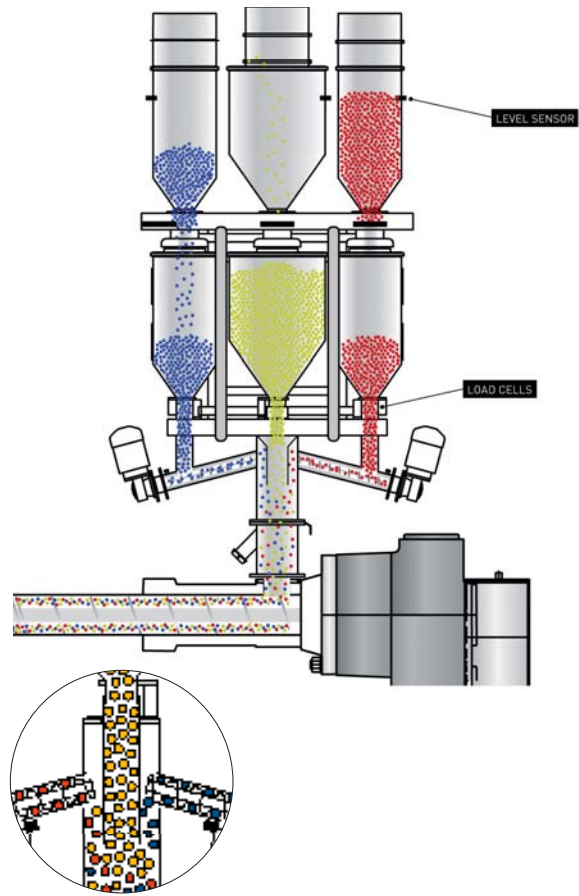
- COMPO is available in 12 models: 2, 3, 4 or 6 ingredients, with throughputs of 150, 300, 600, 1000 up to 2000 kg/h.
- Standard supplied integrated refill valve, slide gate type.
- Inclined screw feeders to improve metering accuracy and to prevent undesired dribble. They are driven, with a wide range of speeds, by DC motors with long-life brushes and closed-loop speed regulation.
- Auger screws suitable for pellets or free-flowing powders.
- A static mixer to blend ingredients, including ingredients with different bulk densities or granule size.
- The main ingredient feed hopper ensures adequate head of material on the plasticizing screw.
- Easy to use, simply set the dosing percentage.



## CONTINUOUS GRAVIMETRIC FEEDER OPERATION

Continuous loss in weight control:

- Weight loss of main ingredient is sensed.
- Weight loss of side ingredients is sensed.
- The side ingredients are simultaneously metered in the static mixer where they are mixed with the main ingredient flowing down, by gravity, from its feed hopper.
- The feeders of the side ingredients are individually controlled to achieve and maintain the preset blend ratios with the main ingredient. This means that the blending throughput is always aligned with that of the processing machine.



## STATIC MIXER

The side ingredients are simultaneously metered by auger screw feeders in the right proportion and are thoroughly spread out into the stream of the main ingredient flowing down from its feed hopper.

## FAST INGREDIENT CHANGE, QUICK AND THOROUGH CLEANING

- Practical and easy access to all components.
- Feed hoppers with sight glass for visual level control and quick-release ring clamp for easy cover removal.
- Manual slide gate for auger screw inspection without hopper emptying.
- Drain spout for easy and quick hopper emptying.
- Easily accessible auger screws for quick and thorough cleaning, no tools required.



## GRAVIFEED AND SPECIAL COMPO FOR STARVE FEEDING

