

Control systems

Gravimetric feeding

The gravimetric feeding control continuously records the weight changes of the material via a weighing system and optimises the material flow according to customer requirements. There are two main variants: With batch feeding, a defined quantity of the product is conveyed; after filling, the system waits for a new start signal. Continuous feeding permanently conveys a defined quantity of product per time unit and thus ensures a continuous supply.

ADVANTAGES

- Reliable and continuously optimised control system with Siemens hardware for decades
- Statistics and logging for comprehensive monitoring
- Recipe functions for fast product changes
- Manual refill function and automatic refill function with a refill unit

SCALE SYSTEMS

Analogue scale cells with 16 million resolution, digital scale cells for maximum accuracy

Gain in Weight: The feeder feeds the material into a hopper placed on the scale to ensure maximum accuracy..

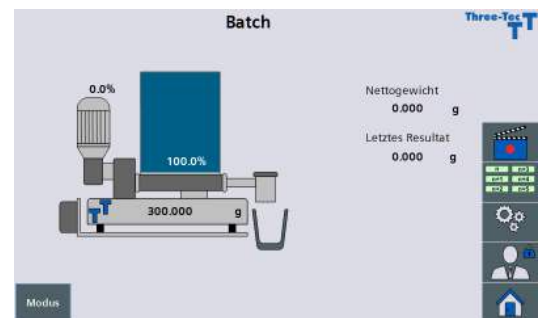
Loss in Weight: The feeder is placed on the scale and feeds the material directly into the process to maximise flexibility.

OPTIONS

- Single control & multiple control
- Optionally with audit trail for GMP applications for traceability
- Optional communication protocols for GMP data recording, higher-level systems or other customised applications (OPC UA, ProfiNet, others on request)
- Optional remote maintenance for simple maintenance and support

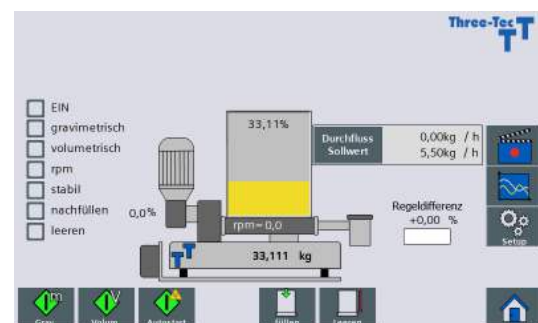


BATCH FEEDING



- Automatic learning of all important parameters
- Simple operation and maximum precision
- Continuous optimisation for the best results
- High-precision control of the conveying weight according to customer requirements

CONTINUOUS FEEDING



- Independent configuration of all required required filters and control parameters, perfectly matched to the process
- High-precision control of the flow rate according to customer requirements
- Volumetric conveying for simple feeding

DRIVE

The feeding control can operate all Three-Tec feeders with stepper motor, AC motor and servo motor.