

GraviCon 3000-Mini

Gravimetric mass throughput recording with throughput and meter weight control

The GraviCon 3000-Mini „Stand alone System“ has been especially adapted to the requirements of extrusion. Beside the gravimetric mass throughput recording the extruder and haul-off can also be controlled.

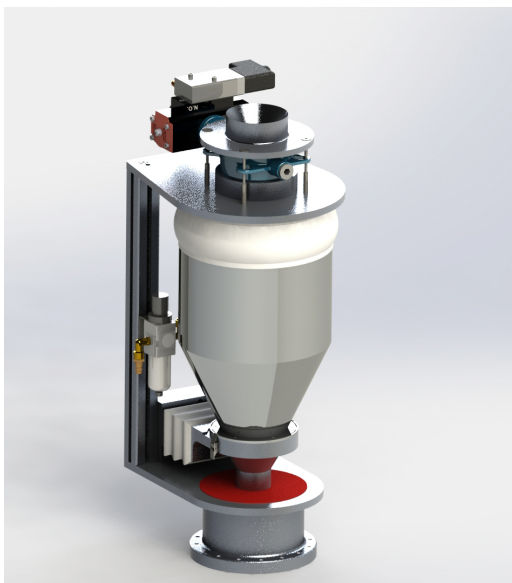


Functions

- Mass throughput recording
- Throughput recording
- Meter weight control
- Surface weight control
- Working point control
- Alarm indications
- Superior operating data recording ODAS
 - Logging
 - Distance-service link

Interfaces

- 2 USB-Interfaces
- 1 RS232 Interface
- 1 Ethernet 10/100 Base-T



The first step for automation of extrusion lines consist of a gravimetric. Due to recording and control of the product weight maximum savings are achieved. The final product shows a considerably lower fluctuation range, so that waste and start-up scrap are reduced. Additional product weights can be reduced to a minimum via regulation.

As the system records the real throughput in kg/h, fluctuations due to bulk density, material temperature or process engineering modifications of throughput can be compensated resp. corrected.

Technical data GraviCon 3000-Mini

Electronics

- Display and touch: 4.3", 480 x 272 (WQVGA) resolution, analog resistive touch screen, landscape format
- CPU and memory: ARM Cortex A9-166 compatible, 128 MByte DDR3 RAM, 8 kByte FRAM, 256 MByte Flash Drive on board
- 2 USB Interfaces
- 1 Ethernet 10/100 Mbit/s
- 1 RS232 Interface
- 6 digital inputs
- Digital counter inputs for incremental encoders
- 6 digital outputs 24VDC; 0,5A
- 2 analogue inputs ± 10 VDC
- 2 analogue outputs ± 10 V or 0 up to 20 mA / 4 up to 20 mA up to two components Gravimetric and/or Volumetric

Types of control

- Mass throughput control
- Meter weight control haul-off
- Meter weight control extruder/dosing screw
- Meter weight control with working point control
- Control via analogue values, trim values or digital
- Wall thickness program roll change detection integrated
- Operating data recording prepared

Control accuracy

Less than $\pm 0,4\%$ according to operating conditions – Mono - System

Voltage supply

By internal power supply unit 100-500V/ 50-60Hz or 24VDC $\pm 10\%$

Mechanics

Information about the extensive ConPro delivery program of S/M-KTW funnel weighers is available at the leaflet "S/M-KTW delivery range". More than 25 years experience, based upon the installation of more than 10.000 funnel weighers, argues for a market-leading technology.