

GraviCon 3000-Control

Gravimetric dosing for implementation of complex recipe (plastic extrusion)

GraviCon 3000-CONTROL „Stand alone System“ with touch screen (colored monitor) is used at Mono to-, multi-component-dosing in extrusion and co-extrusion technology for complex requirements.

Our gravimetric mass throughput recording permits to chose about recording, weighing, mixing and controlling the data of 1 up to 31 components, optionally. We supply these dosing systems for pellets, mill materials, powder, fluids and fibre material.



Functions

- Mass throughput recording
- Throughput regulation
- Ratio control
- Meter weight control
- Surface weight control
- Working point control
- Dosing
- Logging
- Recipe Administration
- Energy recording (Option)
- Alarm indication
- Distance-service link
- Superior operating ODAS

Interfaces

- Serial RS232/RS485
- CAN-Bus or PROFIBUS DP
- Ethernet TCP/IP and Powerlink
- USB
- Analogue- and digital-IO
- Counter components

System for automation of complex dosing tasks in extrusion and co-extrusion.

By registration and regulation of different materials the highest savings will be reached.

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, by regulation.



Technical Data GraviCon 3000-CONTROL

Electronics

- 7" or 10,1" or 15" analogue resistive Touch Screen
- 7" Image resolution WVGA, 800 x 480 Pixel
- 10,1" Image resolution WSVGA, 1024 x 600 Pixel
- 15" Image resolution XGA, 1024 x 768 Pixel
- 1 Ethernet-Interface 10/100/1000 Base-T
- 1 POWERLINK-Interface
- 4 USB Interfaces
- 1 CAN at BUS control of dosing
- 1 RS232-Interface
- Integration slot for interface modules

Types of control

- Mass throughput control
- Meter weight control haul-off
- Meter weight control extruder/dosing screw
- Meter weight control with working point control
- Dosing control with regulation extruder/dosing screw and haul-off
- Control by analogue values, trim outputs, digital or communication
- Wall thickness program and roll change detection integrated
- Operating data recording applicable

Control accuracy

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

Less than $\pm 0,8\%$ according to operating conditions – Multicomponent -System

Voltage supply

By internal power supply unit 100-500V/ 50-60Hz or 24VDC $\pm 20\%$

Mechanics

Information about the extensive ConPro delivery program of S/M-KTW funnel weighers is available at the leaflet "S/M-KTW delivery range 2017". More than 25 years' experience, based upon the installation of more than 10.000 funnel weighers, argues for a market-leading technology.