



MCWEIGHT

- ✓ For granulates, regrinds and free-flowing powders
- ✓ Continuous loss-in-weight measuring
- ✓ Fast response to capacity changes
- ✓ Automatic filling through an integrated, pneumatic knife gate in top flange
- ✓ Control via 8 inch full color touch screen
- ✓ Available in 50, 100, 500 or 1,200 kg/h
- ✓ Industry 4.0 ready

MCWEIGHT

The MCWeight is specially designed to measure the actual feed capacity of an extruder. It has an integrated weighing module to accurately measure throughput and an integrated knife valve to control the filling. Combined with one or more Movacolor units, the MCWeight tracks even the smallest capacity variation of the extruder. It adjusts the additive dosing from the dosing units accordingly. Dried material with a temperature up to 180°C can be handled with the MCWeight.

This throughput measurement system enables you to get the best out of your extrusion line. It gives you real time insight into your actual line capacity and tracks the consumption of your materials. In combination with our MCLine Control it can even control your complete extrusion line including upstream and downstream equipment.

“The MCWeight made our extrusion process much more stable, which saved raw material, but also expensive additives such as dye and catalyst. But more importantly, we reduced our scrap by more than 70%.”

Benefits

Plug and play

The MCWeight can be connected to up to 14 Movacolor dosing units. No interface control with the extruder is required. Per co-extruder you can install an MCWeight that allows the controlling of multiple MCWeight units with one control interface.

Quality control

Quality is controlled by continually monitoring data from both the MCWeight and the dosing units. The MCSmart program gives you this maximum control. With the MCLine Control you can even fully control the extrusion line. Basis for full control of your extrusion line

Basis for full control of your extrusion line

The MCWeight is the perfect basis for MCContinuous Blender or for your MCLine Control system.

Specifications

APPLICATIONS

Extrusion

COMMUNICATION

Modbus TCP/IP, Profibus***, Profinet***, OPC/UA***

External communication

Standaard PC link using TCP/IP or Modbus-TCP protocol

LANGUAGES

English, German, Dutch, French, Hebrew, Turkish, Chinese, Thai, Japanese, Russian, Italian, Czech, Portuguese, Spanish, Indonesian, Polish, Korean, Hungarian, Swedish, Romanian****

POWER CONSUMPTION

150 Watt maximum

Speedometer

Digital

CAPACITY

10-1,200 kg/h*

DATA STORAGE

Internal memory (static changes), MCSmart datalogging software (dynamic changes), 1,000 recipes storage

Hopper size

40L

60L

6L

OPERATION

8" full color touch screen display

OUTPUT SIGNALS

Alarm, warning, run, valve (for hopper loader control), 2x0-10 VDC** or 4-20 mA**

Optional extra two analog inputs and two analog outputs (0-10 VDC or 4-20 mA)

POWER SUPPLY

230 VAC, 50 Hz or 115 VAC, 60 Hz



LEADERS IN DOSING TECHNOLOGY