MCTWIN

- ✓ Continuous loss-in-weight measuring
- ✓ Automatic coloring correction depending on recycle material
- ✓ Ultra-compact three component system
- ✓ Direct mounting on machine throat
- ✓ 8" full color touch screen
- ✓ Integrated hopper loader control
- ✓ Industry 4.0 ready

MCTWIN

Dosing rejects and sprues in the form of regrind can result in saving substantial amounts of colorant. The secret? Dosing masterbatch, powder, liquid or another additive and regrind simultaneously. One dosing unit of the MCTwin functions as the master unit and doses regrind, while the second operates in conjunction with the master unit and doses the additive. In practice this means that the more regrind is available, the less colorant is added.

This enables you to avoid overconsumption of additives and to reuse the maximum of regrind. The process is fully automatic, so you always dose the maximum percentage of available regrind. The quality remains constant, production run after production run, 24/7.

The MCTwin uses Movacolor's gravimetric dosing technology. This means continuous loss-in-weight measurement and automatic adjustment. The functionality of dosing regrind in combination with the additive makes the MCTwin a sustainable solution for your production process.

Benefits

Easy to install

The inline dosing units with integrated hopper loaders have a low building height and can always be installed directly on top of your machine.

Full flexibility

The unique modular system gives you the opportunity to add extra units in the future, depending on the material and the production process.

Small footprint

With the closed loop function, the sprues from the injection molding process are directly fed back into the process. No big intermediate storage hoppers are required. The amount of colorant added is automatically adjusted to the availability of regrind.

Specifications

APPLICATIONS
Injection molding and extrusion

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

DATA STORAGE
Internal memory (static changes), MCSmart
datalogging software (dynamic changes), 1,000
recipesstora

INPUT SIGNALS
Start input: potential free, 24 VDC. Extrudertacho (0-30
VDC)

OPERATION
8" full color touch screen display

POWER CONSUMPTION
150 Watt maximum

Recipe functionality
Upload recipes to controller

Trouble shooting options
Full remote operation

NUMBER OF COMPONENTS
Removable weighing bin and mixing chamber

CAPACITY
0.07-180 kg/h

Data logging options
SQL database

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

Hopper size
12L
15L
6L

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

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

System requirements
Windows 7, Windows 8, Windows 10

View options (summary)
Status overview multiple units

LEADERS IN DOSING TECHNOLOGY