



## MCBalance

Gravimetric high precision dosing

The MCBalance\* is the highest standard in gravimetric dosing. It proves its value on a daily basis in all branches, under all circumstances in injection molding, blow molding and extrusion.

The dosing cylinder and patented weighing technology ensure extremely accurate dosing, even when low dosage rates are required. In this way, high savings on expensive additives can be achieved.

The continuous loss-in-weight measuring feature and automatic motor speed adjustment are key to a stable production process. This guarantees high quality end products and fewer rejects.

*\* also for clean room and high temperature applications*



### Features

- Capable of dosing at extremely low dosage rates
- Continuous loss-in-weight measuring
- Automatic material calibration
- Integrated hopper loader control
- Recipes storage function
- 8" full color touch screen



### Extremely accurate dosing

The dosing cylinder releases the additive in a steady flow. The stepper motor ensures maximum control with no stoppages or pulsations. There is no other method in the world as accurate as this.



### User-friendly

Anyone can operate the MCBalance. Moreover, the MCSmart system enables you to monitor all your MCBalance units from one computer. Additives can be changed in less than 60 seconds and the units are easy to clean.



### Modular system

The MCBalance is a modular system that can be configured easily to your needs: for dried materials, for regrinds, for free-flowing powders, multi component extrusion or with integrated hopper loaders.

## MOVACOLOR LEADING INNOVATOR IN DOSING TECHNOLOGY

For almost three decades, Movacolor has been dedicated to coloring the world in a sustainable way. We do so by developing high-precision gravimetric and volumetric dosing systems. Our knowledge, experience and innovation capabilities are invested in a comprehensive portfolio of user-friendly products. These work easily and effortlessly together in advanced systems that conserve additives, increase production flexibility and deliver excellent results.

## MCBalance

### Technical specifications

#### CAPACITY

0.07-180 kg/h\*

#### APPLICATIONS

Injection molding and extrusion

#### COMMUNICATION

Modbus TCP/IP, Profibus\*\*, Profinet\*\*

#### DATA STORAGE

Internal memory (static changes), MCSmart data logging software (dynamic changes), 500 recipes storage function

#### POWER SUPPLY

95-250 VAC, 50/60 Hz. By integrated automatic voltage selector

#### POWER CONSUMPTION

150 Watt maximum

#### LANGUAGES

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

#### OPERATION

8" full color touch screen display

#### INPUT SIGNALS

Start input: potential free, 24 VDC or extruder tachometer (0-30 VDC)

#### OUTPUT SIGNALS

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

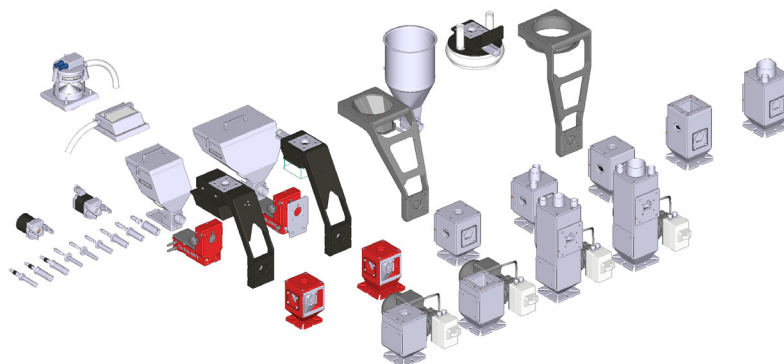
\* measured with a bulk density of 0.8 kg/dm<sup>3</sup>

\*\* optional

\*\*\* additional languages on request



### Modular system



### Dimensions

