



MCPowDER

Dosing powder is one of the most difficult challenges in the field of dosing, especially when we talk about non-free-flowing powders at extreme low rates. Expensive powder additives that add high impact to your process require the best in the field of accuracy and reliability.

Movacolor has, based on its proven gravimetric technology, developed a compact powder dosing unit to do just that. It doses as low as 100 g/h, but also as high as 40 kg/h. Double spiral and hopper agitation ensure trouble free dosing of the most difficult powders. And this is accomplished in both injection molding and extrusion applications.

The unit operates as a single unit, but can also be integrated into our unique modular continuous blending system, allowing to add the most difficult powders to the blend of your extruder. The MCPowder is a truly unique product in the market that makes you forget any powder dosing problem you currently might have.

MCPowDER

- ✓ Double spiral/auger design for reliable dosing of non-free-flowing powders
- ✓ Agitator avoiding material clogging or rat holing
- ✓ High grade polished hopper
- ✓ Quick release coupling for easy cleaning
- ✓ Capacity 0,1 - 40 kg/hr
- ✓ Special support frame for hopper loaders available
- ✓ Ready for Industry 4.0

Benefits

Extremely accurate and robust

The double spiral design, stepper motor control and the Movacolor patented gravimetric technology creates extreme accuracy. The unit is made to last in the most troublesome environments.

User-friendly

Our 8 inch' full color touch screen display with integrated hopper loader control ensures easy operation. The [MCSmart software](#) allows 100% traceability of the dosed additives.

Modular

The MCPowder can be integrated in Movacolor's unique continuous blending systems. MCPowder gravimetric or volumetric.

Gravimetric or volumetric

The MCPowder is available in a gravimetric or volumetric version. The volumetric dosing unit comes with a MC18 controller.

Specifications

APPLICATIONS

Injection molding and extrusion

COMMUNICATION

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

External communication

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

OPERATION

8" full color touch screen display

POWER CONSUMPTION

150 Watt maximum

Speedometer

Digital

CAPACITY

0.1-40 kg/h*

DATA STORAGE

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

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



LEADERS IN DOSING TECHNOLOGY