



MCPowder High Output

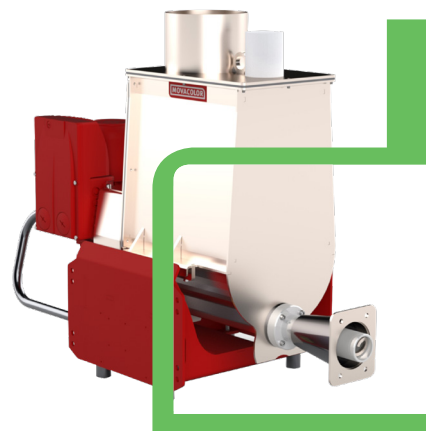
Trouble free dosing of heavy duty powders

Dosing powder is one of the most difficult challenges in the field of dosing. For your process stability and quality control an accurate and reliable powder dosing unit is often essential. And this under all circumstances.

Movacolor has, based on its proven gravimetric technology, developed a heavy duty powder dosing unit capable to dose maximum 450 kg/h of non-free flowing powder. The design is based on a single spiral and agitator, driven by a heavy duty 3 phase motor. The hopper can be increased in a modular way from 25 to 50 liters.

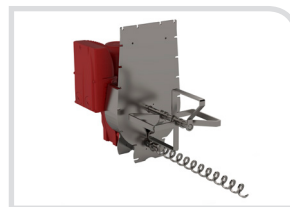
The unit is installed on two heavy duty load cells. Operation is done via our standard 8" full color touch screen.

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.



Features

- Single spiral design for reliable dosing of non-free-flowing powders
- Agitator avoiding material clogging or rat holing
- High grade polished hopper
- Two heavy duty load cells
- Modular hopper design



Accurate and robust

The spiral design, in combination with the 3 phase motor control and the Movacolor patented gravimetric technology creates extreme accuracy and reliability. The unit is made to last in the most troublesome environments.



User-friendly

Our 8" 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 High Output can be integrated in Movacolor's unique continuous blending systems.

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.

MCPowder High Output

Technical specifications

CAPACITY

10-450 kg/h*

HOPPER SIZE

25-50 l**

APPLICATIONS

Injection molding and extrusion

COMMUNICATION

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

DATA STORAGE

Internal memory (static changes), MCSmart data logging software (dynamic changes), 1,000 recipes storage function

POWER SUPPLY

400 / 500 VAC, 3 phase 50/60 Hz, 500 W max.

POWER CONSUMPTION

0.75 kW 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), start input

OUTPUT SIGNALS

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

* measured with powder with a bulk density of 0.6 kg/dm³

** optional

*** additional languages on request

Extended hopper option



Exploded view



Dimensions

