



## MCPowder HIGH OUTPUT

- ✓ Single spiral design for reliable dosing of heavy duty powders
- ✓ Agitator avoiding material clogging or rat holing
- ✓ High grade polished hopper
- ✓ Two heavy duty load cells
- ✓ Modular hopper design
- ✓ Industry 4.0 ready

## MCPowder HIGH OUTPUT

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 inch 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.

## Benefits

### 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 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 High Output can be integrated in Movacolor's unique continuous blending systems.

# 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

## CAPACITY

10-450 kg/h\*

## DATA STORAGE

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

## Hopper size

25-50L

## 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**