



MCHigh Output 2500R

High capacity low bulk density dosing

The MCHigh Output 2500R is a complete system for feeding low density regrind at high dosing rates. The unique design with a mixing rate of maximum 75% can be mounted directly on top of the injection molding machine or extruder. The gravimetric technology controls the dosing rate and provides exact material consumption data for track and trace purposes.

The unit has an integrated weighing module that precisely measures the throughput by the loss-in-weight principle.

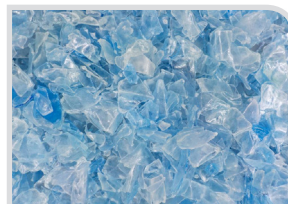
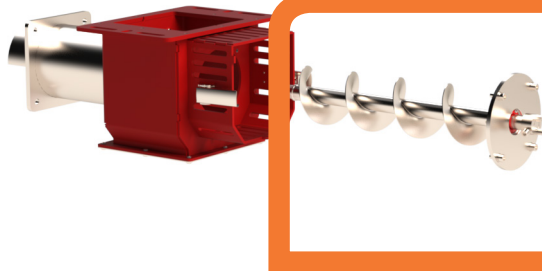
Refilling of the hopper can be done either by direct mounting of the hopperloader on top of the system or by the integrated knife valve at the top flange. The refilling is controlled by the gravimetric system.

The MCHigh Output 2500R handles granulates and difficult regrinds like PET bottle flakes. It is capable of processing materials up to 180 °C.

The water-cooled neckpiece with integrated mixer ensures the right mixture of materials for your product and the possibility to add additional dosing stations for masterbatch or other additives.

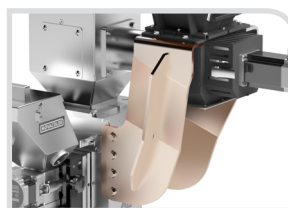
Features

- Fully gravimetric control
- Can handle low bulk density regrinds
- Direct mount loader option
- Magnet bars for separating metal parts
- Water-cooled neckpiece with integrated mixer



High mixing rate

The MCHigh Output 2500R is capable of adding up to 75% low bulk density regrinds in the main material stream.



Direct mounting

Integrated support frame for the MCHigh Output 2500R measuring unit for direct mounting on the processing machine feed throat.



Easy integration

The MCHigh Output 2500R can easily work in conjunction with other Movacolor dosing units. This allows more flexibility in handling different materials or outputs at the production line.

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.

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Technical specifications

CAPACITY

50 - 2,500 kg/h*
75% mixing rate for regrind flakes**

APPLICATIONS

Injection molding and extrusion, non-repalletized regrinds

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

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, 2 x 010 VDC** or 4-20 mA**

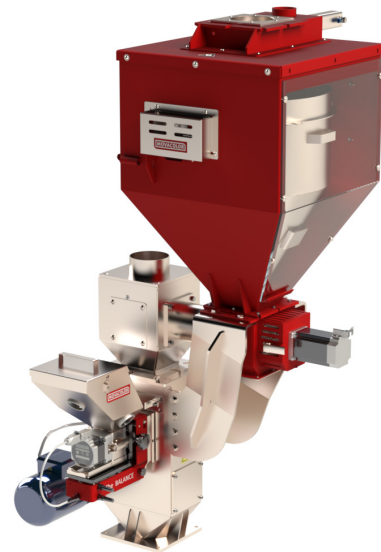
EXTERNAL COMMUNICATION

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

* measured with bulk density of 0.8 kg/dm³

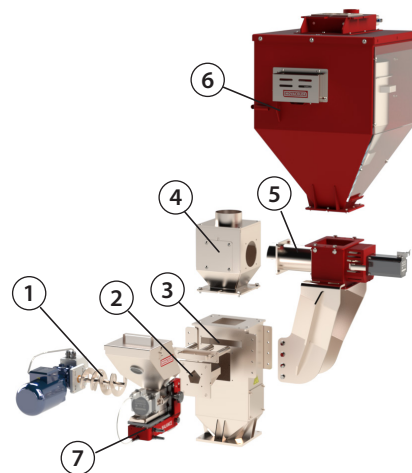
** measured with PET bottle flakes

*** additional languages on request



Exploded view

- 1 Mixer
- 2 Water cooling
- 3 Magnet bar
- 4 High output neckpiece
- 5 Dosing screw
- 6 Weighing hopper
- 7 MCBalance



Dimensions MCHigh Output 2500R

