MAAG Group
a DOVER company

PELLETIZING SYSTEMS ›



COLOR DOSING

Precise and rapid color dosing

GALA

The color correction unit COLOR DOSING makes it possible to perform color adjustments during compounding particularly quickly and easily. Precise dosing is a prerequisite for high-quality products. Complex color recipes in particular require trouble-free solutions during the dosing process. Optimum dosing precision and flexible and automated process control are decisive criteria – requirements that our dosing system meets. The system can be expanded modularly, and thus grows with the needs of plant operators.

Your benefits

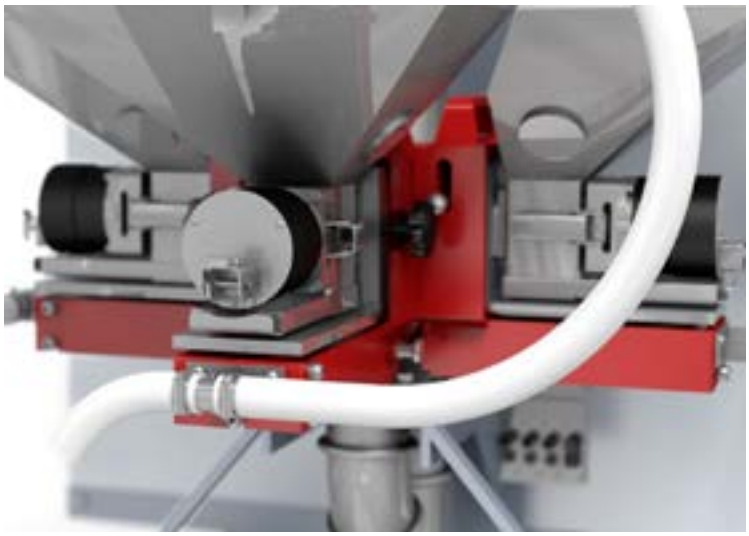
- Highly precise metering as regards dosing accuracy and dosing constancy
- Exact reproducibility of the dosing stream owing to the loss-in-weight principle
- Simultaneous dosing of up to six additives
- A change of colorants is possible within 60 seconds
- Robust and easy to clean
- Operator-friendly correction software
- Easy retrofitting owing to modular design - connect up to six gravimetric dosing units
- Rapid integration into our COLOR CONTROL Systems

COLOR DOSING

Precise and rapid color dosing

How the COLOR DOSING works

The COLOR DOSING system consists of 6 gravimetric single-component dosing devices and has been designed for the continuous dosage of mono masterbatches (Single Pigment Concentrates – SPCs) in a continuous color compounding process.



The COLOR DOSING system can be installed in addition to an existing dosing technology so that the nuances of the color formula can be readjusted online. In the case of similar extrusion lines, also the complete color formula can be dosed online.

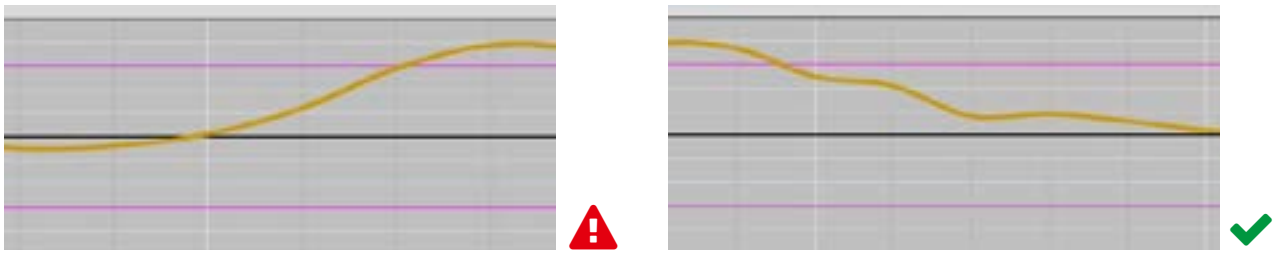
The pellets are dosed into the extruder or preferably into a screw conveyor by the discharge pipe from the dosing panel via a down-pipe. At conditions of restricted space, the COLOR DOSING also can be positioned somewhat more distant. Then the pellets will be transported without a significant delay by flight conveying to a cyclone seperator. Inlet nozzles on screw conveyors or down-pipes shall be manufactured by the customer.

Technical specifications:	
Dosing capacity:	200g/h - 6kg/h
Filling capacity:	ca. 50 - 150 kg/h
Air requirements for 6 dosing devices:	ca. 2 cbm/min
Hopper:	ca. 12 l

Features

- Tool-free, fast assembly
- Increase of the dosing range possible (2 - 40 kg/h)
- Flight conveying
- coloristic flexibility

Active online color dosing and adjustment



Data and illustrations refer to the date of printing. Changes may be made without special notice. Products and processes of MAAG are protected by patents.

44_EN_2020/03