MGF+, MGF, MVF Feeder Lines

MAGUIRE®
Intelligent Simplicity

5 New feeder lines

A multitude of configurations

- Complete application flexibility with 5 new choices of gravimetric feeders
- The new gravimetric feeder line can be configured in any optimal way to accommodate various processing requirements.
- Allows for up to 4 different size auger feeders, all located on one mounting frame, using a single common touch screen control.
- Providing the ultimate flexibility for injection molding, extrusion, blow Molding and extrusion control applications.
- Save tens of thousands of dollars per year through accurate dispensing of color and additives.
- The series offer unique twin load cell technology with a dosing accuracy of ± 0.2%.

RETURN ON INVESTMENT
Savings in raw materials costs ensure a higher ROI on a long-term basis

5 YEAR WARRANTY

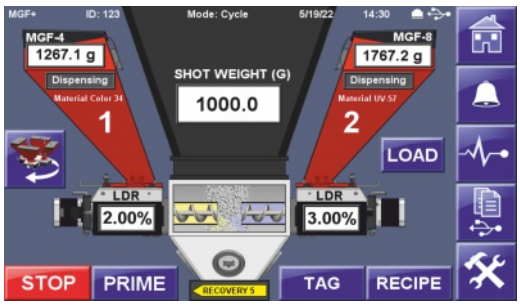
MGF+ | MGF+ 100X MGF+ 100L | MGF+ 100B | MGF | MVF

The new Maguire Gravimetric Feeding (MGF+) series - solutions for every application

Control at your fingertips

- PRIME Calibration®
- High accuracy
- Dual load cells
- Fast material changes
- Stepper motor control
- Modular design
- 100X Color Inject®
- Integrate to any process built in - no extra cost
- Process data
- 5 Year warranty
- Rapid return on investment

Molding



Extrusion

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1 **Maguire MGF+ line**

Maguire MGF+ line

- The new Maguire MGF+ line incorporates the standard gravimetric feeder options and includes up to (4) different size auger feeders on one mounting frame all using a common touch screen control.
- Allows the flexibility to dispense multiple additives/color/materials within one frame and one controller.
- Center hopper dispenses the virgin material.
- Each unique feeder the dispensed material is measured precisely and accurately to maintain the correct desired percentage – all controlled by one touch screen controller.

2 **Maguire MGF+ 100L and 100X**
Ideal for extrusion applications

Maguire MGF+ 100L line

- New Maguire MGF+ 100L incorporates up to (4) different size auger feeders.
- MGF+ system adds a main material loss in weight hopper to ensure all materials processed are accurately weighed and controlled via one controller.
- As all materials are 100% weighed and the additive components are ratioed to the primary component, regardless of changing throughput.
- This series is ideal for extrusion processes.

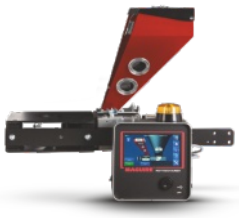
Maguire MGF+ 100X

- Maguire MGF+ 100X takes the process control one step further by including an extrusion control package.
- The extruder drive control is managed with the same touch screen controller as the hopper and the feeders.
- This model used exclusively for extrusion applications streamlines the entire process and includes the center loss-in-weight (LIW) hopper along with up to four auger feeders.
- The LIW controller monitors the actual throughput of the line.
- The target throughput is set on the controller and when the operator switches to automatic mode, the controller will adjust the extruder drive to maintain target weight per hour and/or weight per length.

3 **Maguire MGF+ 100B**
Ideal injection molding applications

Maguire MGF+ 100B

- The MGF+ 100B is ideally used in injection molding applications.
- This model has no center hopper so that all materials must run through the feeders.
- This model includes a material collection bin with a level sensor that maintains material level by activating the dispense of the materials on demand.



4 **Maguire MGF**
Ideal injection molding and extrusion

Maguire MGF

- The MGF gravimetric feeder is well established in both extrusion and molding applications.
- Fully automatic single material feeder with rapid learning and self-calibration utilizing a pair of load cells.
- The MGF system is easy to install, maintain, set and change Color or Additive.
- Control software integrates a range of easy integrations to every process which is easy to implement and no additional cost.

5 **Maguire MGV - Volumetric feeder**

Maguire MVF - Volumetric feeder

- Processors can also now choose from Maguire's latest, most economical version of their volumetric feeder, the MVF.
- The MVF is designed for simple volumetric dosing of color concentrate and/or additive material.
- It utilizes a simple (digital push button) setpoint control and a stepper motor to provide consistent letdown ratio without any use of load cells.
- Conversion kits are available for upgrade to full gravimetric capability.