

Gravimetric Feeding

MGF Plus

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 moulding, extrusion, blow moulding and extrusion control applications.
- ▶ Save significantly per year through accurate dispensing of colour and additives.
- ▶ The series offer unique twin load cell technology with a dosing accuracy of $\pm 0.2\%$.

RETURN ON INVESTMENT

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

5 YEAR WARRANTY



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



1



MGF+

2



MGF+ 100X
MGF+ 100L

3



MGF+ 100B

4



MGF

5



MVF



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Gravimetric Feeding

MGF Plus

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/colour/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.

Maguire MGF+ 100L Line *ideal for extrusion applications*

- ▶ 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.

Maguire MGF+ 100B *ideal injection moulding applications*

- ▶ The MGF+ 100B is ideally used in injection moulding 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.

Maguire MGF *ideal injection moulding and extrusion*

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

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 utilises 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.



GET IN TOUCH TODAY

We solve the most technically advanced plastics automation problems across all industries.



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