

# Gravimetric Blenders

## 1800 Series

The Maguire Weigh Scale Blender™ (WSB) range of gravimetric batch blenders are for all plastics converting businesses, extrusion, injection and blow moulding applications.

Model	WSB 1840	WSB 1850	WSB 1860
Hoppers	1	1	1
Material Compartments	4	5	6

### Features and Benefits

- ▶ Ideal for large processing machines
- ▶ Reduced weight and footprint
- ▶ Overall precision of  $\pm 0.1\%$  of specified blend
- ▶ Compressed air gun for quick cleanout included
- ▶ Easy access to all material contact surfaces of the machine including hoppers, weigh bin, and mixing chamber permits rapid colour change without the use of tools
- ▶ Proprietary microprocessor-control technology monitors and confirms the weight of each ingredient/touch-screen optional
- ▶ Compensation is made when a variation in dispense weight is detected
- ▶ Vibration weighing management
- ▶ Improved documentation capabilities
- ▶ 5 year warranty

### Operation

- ▶ Material dosed at 1-100% by stainless steel slide gate
- ▶ Slide Gate Restrictor (SGR-1) recommended on 1-4% dosing
- ▶ Default hopper size = 18kg batch size
- ▶ System tares weigh bin, then dispenses in sequence e.g. regrind, natural, colour and additive, weighing after each dispense
- ▶ Batch released to mixing chamber and mixed, with previous batch
- ▶ Sensor in upper mix chamber becomes covered, blender waits
- ▶ Material consumed, sensor uncovered, next batch cycle commences

### Control

- ▶ 124 standard features and functions
- ▶ Continuous material calibration for accurate blend
- ▶ Controller updates flow rate every dispense for accuracy
- ▶ User friendly settings entry via thumbwheels or keypad
- ▶ Password protected keypad for security
- ▶ Alarm and strobe light with silence function, to alert to incomplete batch
- ▶ Setup and operation reports print direct to USB key
- ▶ Remote access and monitoring
- ▶ Integrates to other control or ERP systems



WSB 1840



WSB 1850



WSB 1860



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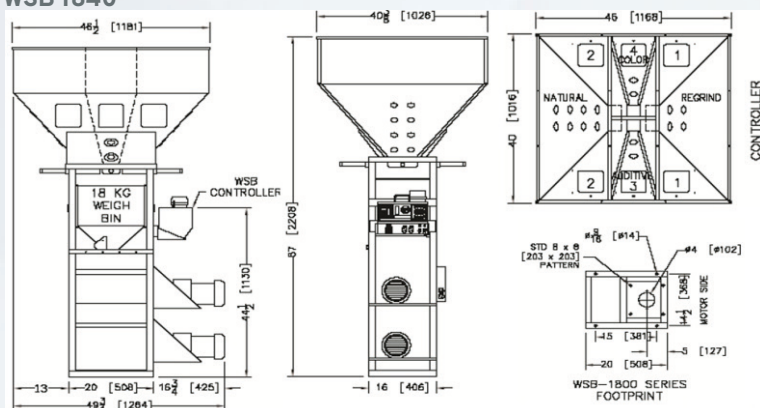
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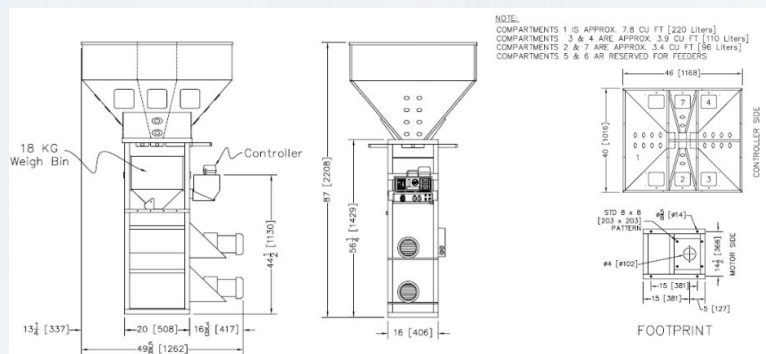
## 1800 Series

Technical Data	WSB 1840	WSB 1850	WSB 1860
Maximum Throughput** (kg/h)	1800 to 2270	1100 to 1400	1100 to 1300
** Throughput achieved is influenced by number of materials, how well they flow, vibration and loading consistency - each can effect maximum output of a blender, which in turn effects sizing the correct blender required for an application.			
Number of Materials	4	5	6
Material Dispense Systems (mm)	4 - 76 x 152 slide gate 6 - 50 x 76 slide gate	1 - 76 x 152 slide gate 4 - 50 x 76 slide gate	6 - 50 x 76 slide gate
Weight (kg)	295		
Power Supply (A)	230vac - 2.7 415vac - 1.1		
Operating Air Pressure (bar)	4-6		
Air Consumption (m3/h)	0.3		
Shipping Weight (kg)	835		
Height x Width x Depth (mm)	1570 x 1400 x 800		

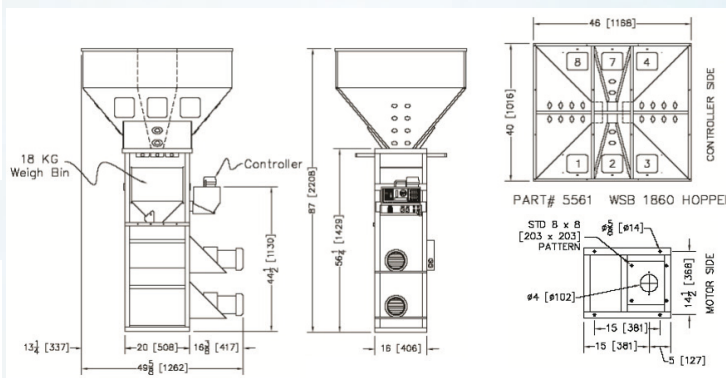
### WSB 1840



### WSB 1850



### WSB 1860



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