

# Gravimetric Blenders

## 200 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 220	WSB 240	WSB 240R	WSB 260
Hoppers	1	1	1	1
Material Compartments	2	4	2	6
Removable Hoppers	-	-	2	-

### Features and Benefits

- ▶ Ideal for medium 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 = 2000g 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
- The WSB 240R's removable hopper use a 25mm pivot valve for dosing, typically from 0.5% to 5.0% for additives and masterbatches

### 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 240



WSB 220



WSB 260



WSB 240R



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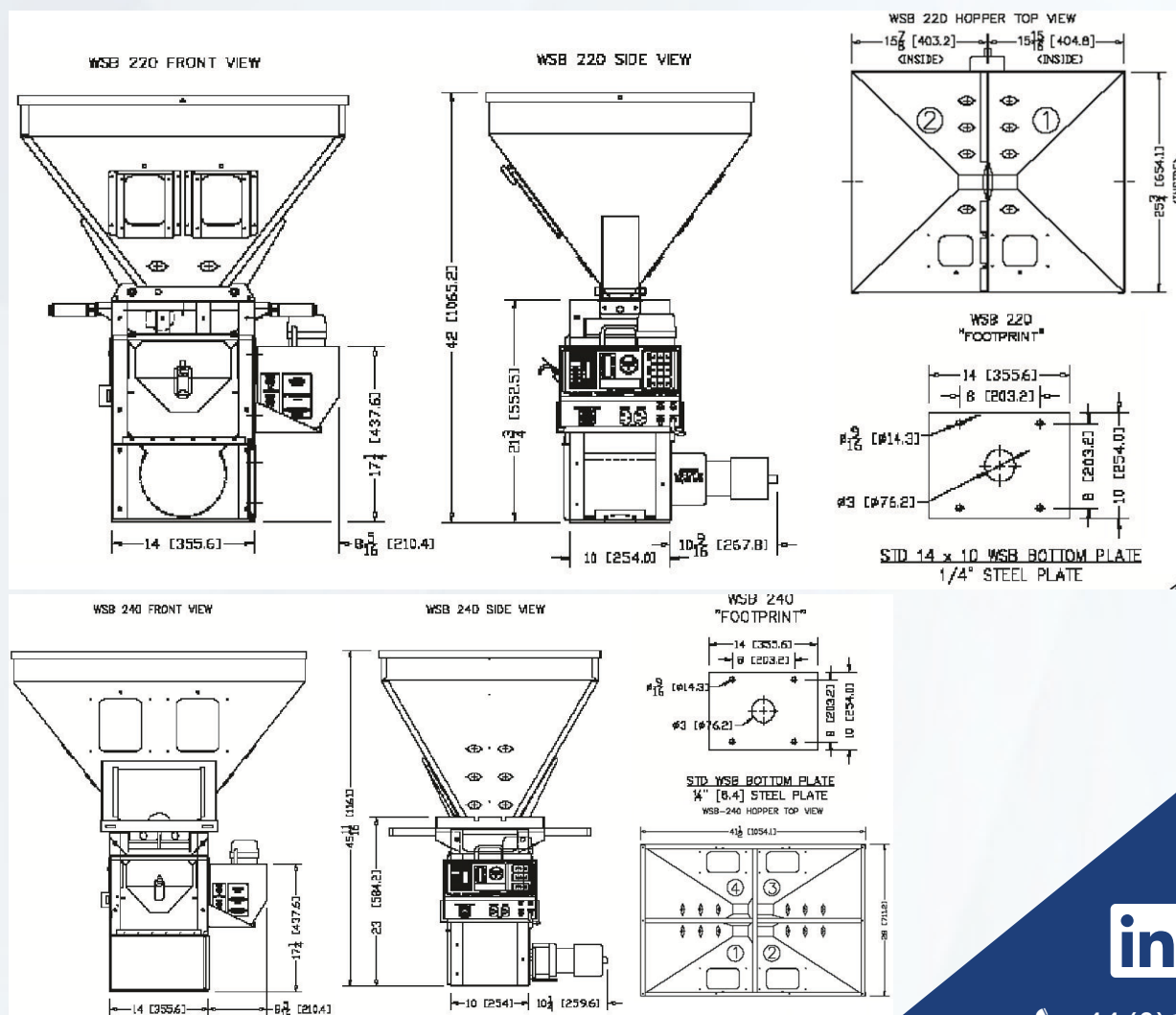
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Technical Data	WSB 220	WSB 240	WSB 240R	WSB 260
Maximum Throughput** (kg/h)	400 to 450	340 to 450	240 - 390	270 to 350
** Throughput achieved is influenced by number of materials, how well they flow, vibration and loading consistency - each can effect maximum output of a blender, which in turn effects sizing the correct blender required for an application.				
Number of Materials	2	4	4	6
Material Dispense Systems (mm)	2 - 76 round slide gate	4 - 50 x 76 slide gate	2 - 50 x 76 slide gate 2 - 25 pivot valve	6 - 50 x 76 slide gate
Weight (kg)	118	127	125	127
Power Supply (A)	230vac - 2.7			
Operating Air Pressure (bar)	4-6			
Air Consumption (m3/h)	0.3			
Shipping Weight (kg)	118	139	127	170
Height x Width x Depth	1230 x 880 x 880	1320 x 1120 x 820	1320 x 1120 x 820	1330 x 1400 x 820



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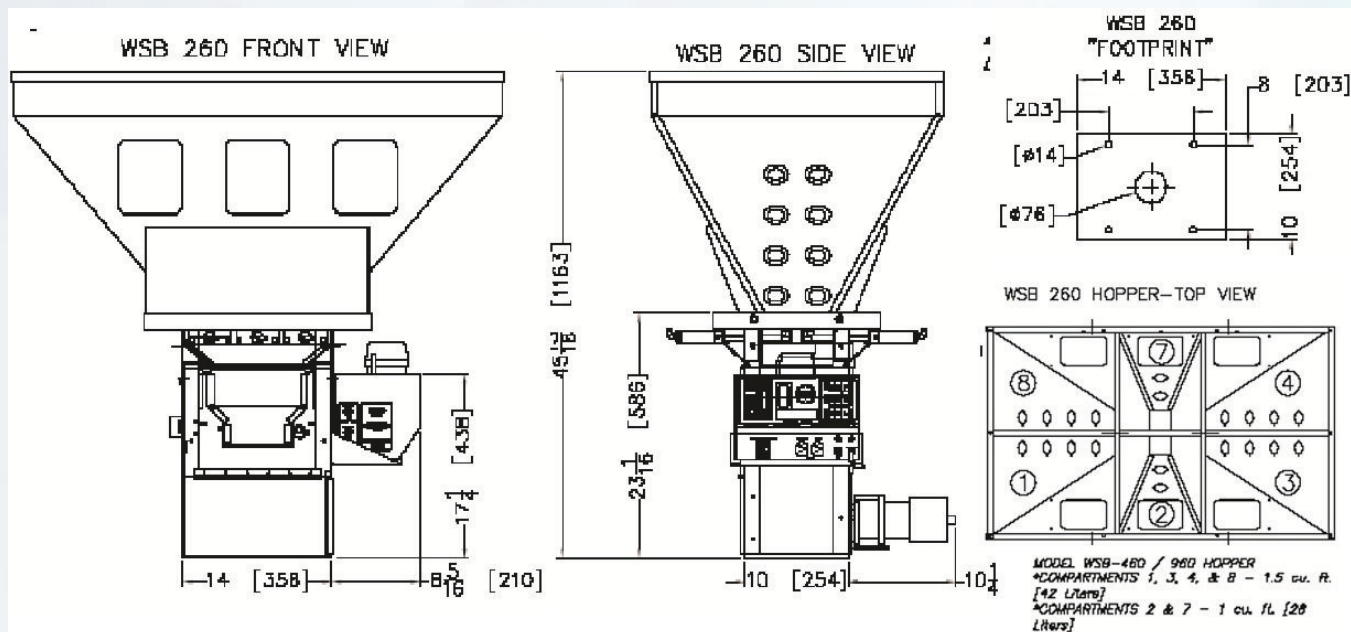
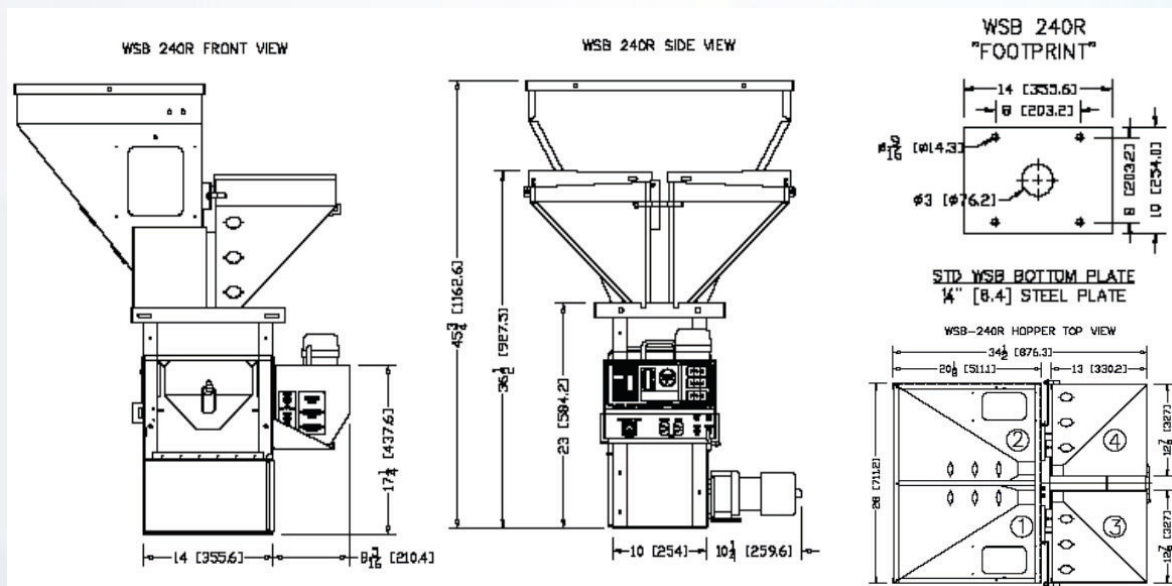
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April 2023

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## GET IN TOUCH TODAY

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



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