



# High consistent accuracy on every material

For high output extruders and large central blending systems up to 3,075 lb/hr (1,400 kg/hr).

### Wide range of settings

Each material is dosed by a stainless steel slide gate. The slide gate is capable of dosing a wide range of settings, from as little as 1% to 100%, based on an average density free flowing material (0.65).

### Slide gate restrictor

For low percentage settings (1% - 4%) a slide gate restrictor (SGR-1) is recommended to restrict the opening of the gate by 50%. This reduces flow and enhances control.

### WSB 1800 Series

The WSB 1850 has 1 hopper with 5 material compartments. Ideal for high output extruders and large central blending systems and for throughputs up to 3,075 lb/hr (1,400 kg/hr).

### Batch size

The hoppers are mounted above the weigh bin with a default 40 lb (18 kg) batch size.

### High consistent accuracy

On every material within  $\pm 0.1\%$  on a 1% setting.

### Sequential dispensing

The system tares the weight of the weigh bin and then each material is dispensed – Regrind, Natural, Color and Additive – in sequence to ensure accurate dispenses of every material within the blend.

### Homogenous mix

A complete batch is released into the mixing chamber and mixed with the previous batch to ensure a homogenous mix.

### Control of the mix

Material blending is controlled by a level sensor mounted in the upper part of the mix chamber to retain accurate mixing. When the sensor is covered, the blender will not dispense any further batches.

### Easy set up

Settings are made easily by either user friendly thumbwheels or entering settings directly on the keypad / optional touchscreen.

### Password protection

Special functions can be easily accessed and set via the password protect key.



### Audible and visual alarms

An audible and visual alarm sounds should a batch be incomplete.

### Reporting

Setup and operation reports can be printed direct to a USB key. Alternatively, data is also available via Ethernet or serial ports allowing remote access and monitoring.

### Integration

Integration to other control or ERP systems can be made via leading fieldbus or OPC interfaces.

### Quick cleanout

A compressed air gun is provided for quick cleanout.

### Rapid color change

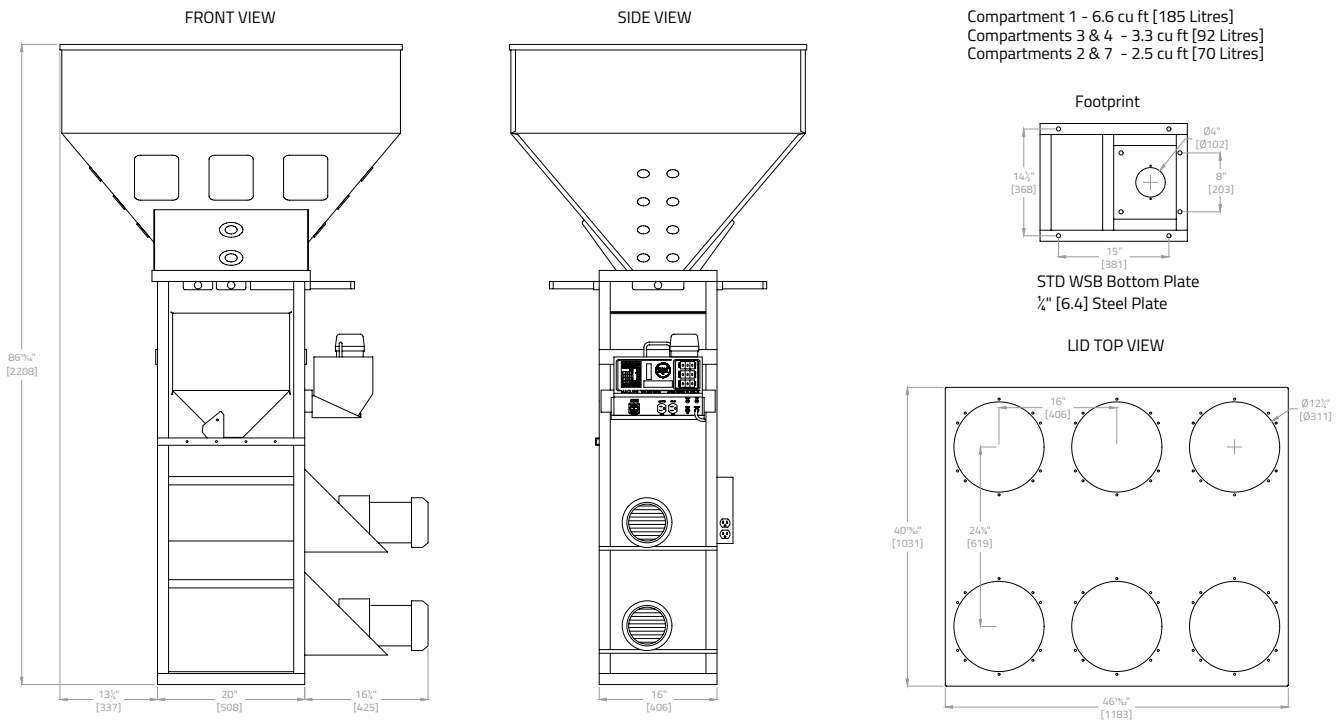
Easy access to all material contact surfaces of the machine including hoppers, weigh bin and mixing chamber allows for rapid color changes without the use of tools.

### Controller

The Maguire controller monitors and confirms the weight of each ingredient and comes with an optional touchscreen.



## WSB 1850 Gravimetric Blender Dimensions



### Technical data

Model WSB 1850	
Maximum Throughput*	1,100kg/h to 1,400kg/h 2,460lb/h to 3,075lb/h
Number of Materials	5
Material Dispense Systems	1- 3"x6" Slide Gate 4- 2"x3" Slide Gate
Weight	295kg 650lb
Power Supply	120vac - 8.5 Amp 230vac - 2.7 Amp 415vac - 1.1 Amp
Operating Air Pressure	4-6 Bar 60-90psi
Air Consumption	0.3 m³/hr 0.17cfm
Shipping Weight	835Kg 1840lb
H x W x D	157 x 140 x 80cm 62 x 55 x 31.5in

\*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.

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### Key features

- 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



### MAGUIRE WORLDWIDE DISTRIBUTION LOCATIONS

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