

# Weigh scale blender with optional loader lift for fast clean out

Designed to mount over the feed throat of the process machine or on a floor stand.

### 140MP Micro Plus

With optional loader lift for fast clean out, the Micro Plus series achieves up to 350 lb/hr (160 kg/hr) making it ideal for injection molders, small extruders and central blending.

### Removeable hoppers

The WSB MP consists of 4 removeable hoppers, fitted with materials dispense valves for metering all materials.

### Quick color changes

With no bolts or tools required, the removeable hoppers are ideal for quick color or additive changes, reducing downtime.

### Suited for poor and free flowing materials

As standard, the MicroPlus is equipped with 2 corner valves for Natural and Regrind and 2 pivot valves for Color and Additive.

### Dispense valve options

Our corner valve, pivot valve and carousel valve options are designed for poor flowing, free flowing and very small percentage settings respectively, to keep all materials flowing.

### Batch size

The hoppers are mounted above the weigh bin with a default 2.2 lb (1 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 generation 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

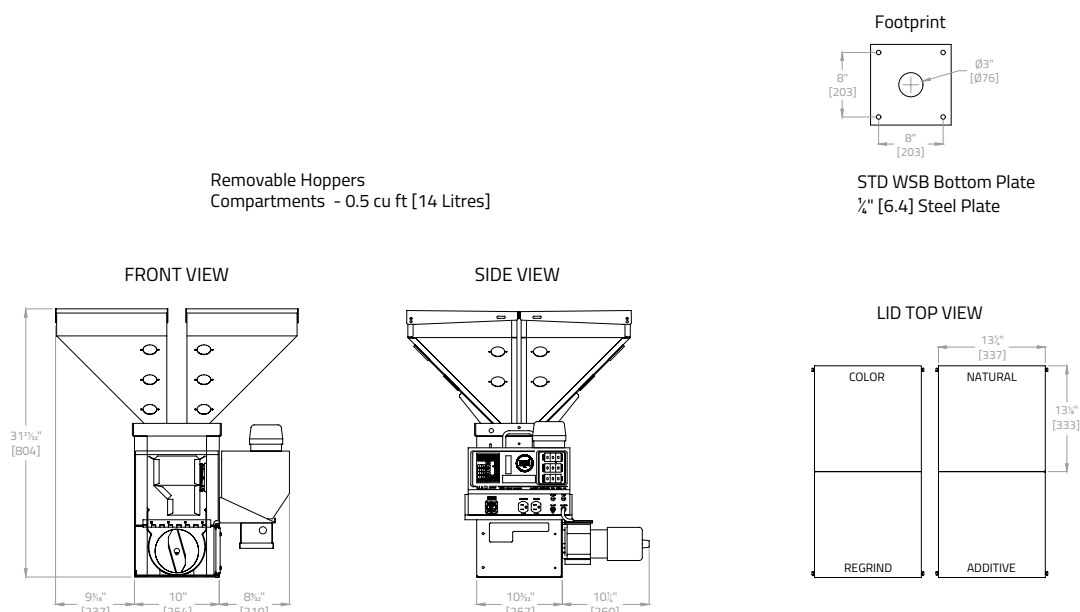
Easy access to all material contact surfaces of the machine including hoppers, weigh bin and mixing chamber allows for rapid color changes without the use of tools.

### Controller

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



## WSB 140MP MicroPlus™ Gravimetric Blender Dimensions



### Technical data

Model WSB 140MP	
Maximum Throughput*	140kg/h to 160kg/h 310lb/h to 350lb/h
Number of Materials	4
Material Dispense Systems	2 x Corner Valve 2 x 1" Pivot Valves
Weight	86Kg 190lb
Power Supply	120vac - 0.5 Amp 230vac - 0.2 Amp
Operating Air Pressure	4-6 Bar 60-90psi
Air Consumption	0.3 m³/hr 0.17cfm
Shipping Weight	90Kg 200lb
H x W x D	99 x 78 x 80cm 39 x 31 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.

### Key features

- Ideal for small 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 reserves the right to cancel product or change product, product specifications and data without notice to improve reliability, function, design or otherwise.

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