

# Gravimetric Blenders

## Micro Plus

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

The Micro Plus Blender consists of 4 removable hoppers fitted with materials dispense valves for metering all materials.

### Features and Benefits

- ▶ Ideal for small processing machines
- ▶ Optional loader lift deck
- ▶ 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 12-12 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
- ▶ Additional standby materials hopper
- ▶ Vibration management
- ▶ Improved documentation capabilities
- ▶ 5 year warranty

### Control

- ▶ Packed with 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

### Operation

- ▶ 2 corner valves for natural regrind
- ▶ 2 pivot valves for colour and additives
- ▶ Default hopper size = 1000g batch size
- ▶ System tares weigh bin, then dispenses in sequence eg 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



### Dispense valve options

- ▶ **Corner valve** - high flow side gate valve for poor flowing materials
- ▶ **25mm pivot valve** - for free flowing materials
- ▶ **Carousel valve** - slower operating dispense valve for very small settings - 0.2 - 1 %



+44 (0) 1827 265 800

info@summitsystems.co.uk

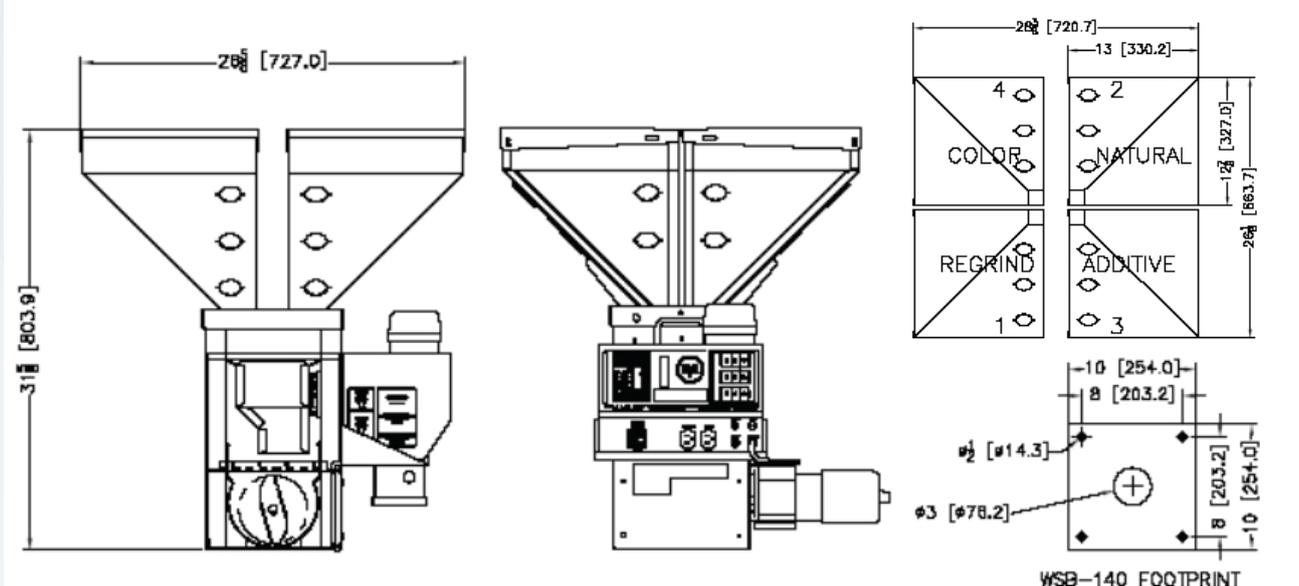
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Technical Data	WSB 140 MP
Maximum Throughput** (kg/h)	140 to 160
** Throughput achieved is influenced by number of materials, how well they flow, vibration and loading consistency - each can effect maximum output of a blender, which in turn effects sizing the correct blender required for an application.	
Number of Materials	4
Material Dispense Systems (mm)	2 - corner valve 2 - pivot valve 25mm
Weight (kg)	86
Power Supply (A)	230vac - 0.2
Operating Air Pressure (bar)	4-6
Air Consumption (m3/h)	0.3
Shipping Weight (kg)	90
Height x Width x Depth (mm)	990 x 780 x 800

WSB MP



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