



WSB-400 Series Gravimetric Blenders

The series 400 weigh scale blenders have the flexibility to be applied on-the-throat for medium sized throughput applications, press-side for easy access or on a specialized stand for central blending. Every material is dispensed accurately to within $\pm 0.1\%$ on a 1% setting.

Twelve models have the capability of blending up to 8 components and are available with lightweight removable hoppers for fast, easy clean-out.

Wide Range Of Settings

Main materials are 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.

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.

A level Sensor Controls Blending

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

Plus

- › Audible and visual alarms
- › A compressed air gun is provided for quick clean out.
- › Hoppers and augers are mounted above the weigh bin with a default batch size of 8.8 lb (4 Kg)
- › Compensation is made when a variation in dispense weight is detected.
- › Special functions can be easily accessed and set via the password protect key.
- › 5-Year warranty



WSB-440R

Easy Setup

Settings are made easily by either use- friendly thumb wheels or entering settings directly on the keypad or the optional touchscreen.

Removable Hoppers

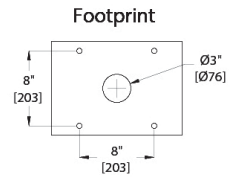
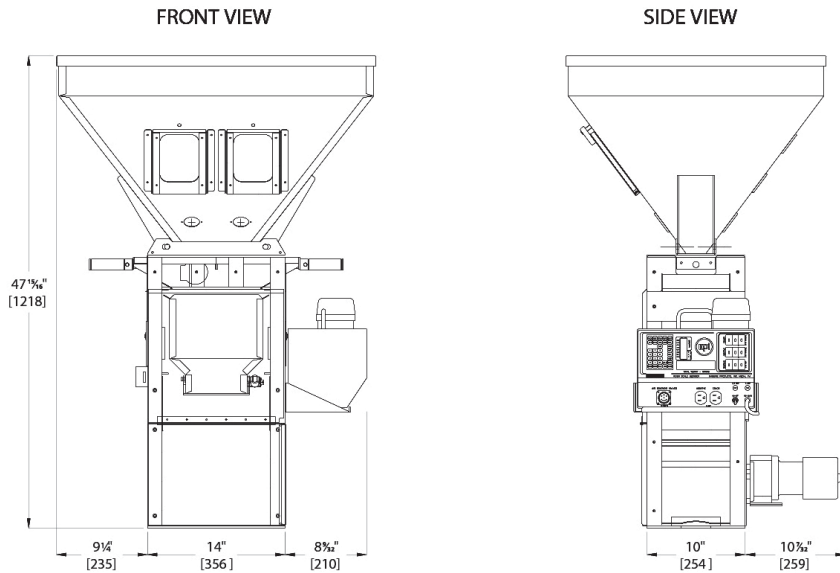
On certain models are ideal for quick color or additive changes, reducing downtime.

Choice of Controllers

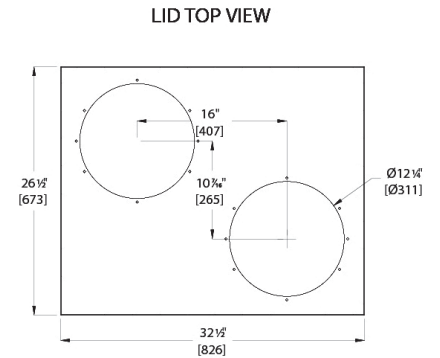
Choose from the standard controller or the advanced touch screen controller. See page 8.

WSB-420 Series Gravimetric Blender

Single Hopper with 2 Material Compartments, each 2.4 ft³ (68 Liters)



STD WSB Bottom Plate
1/4" [6.4] Steel Plate

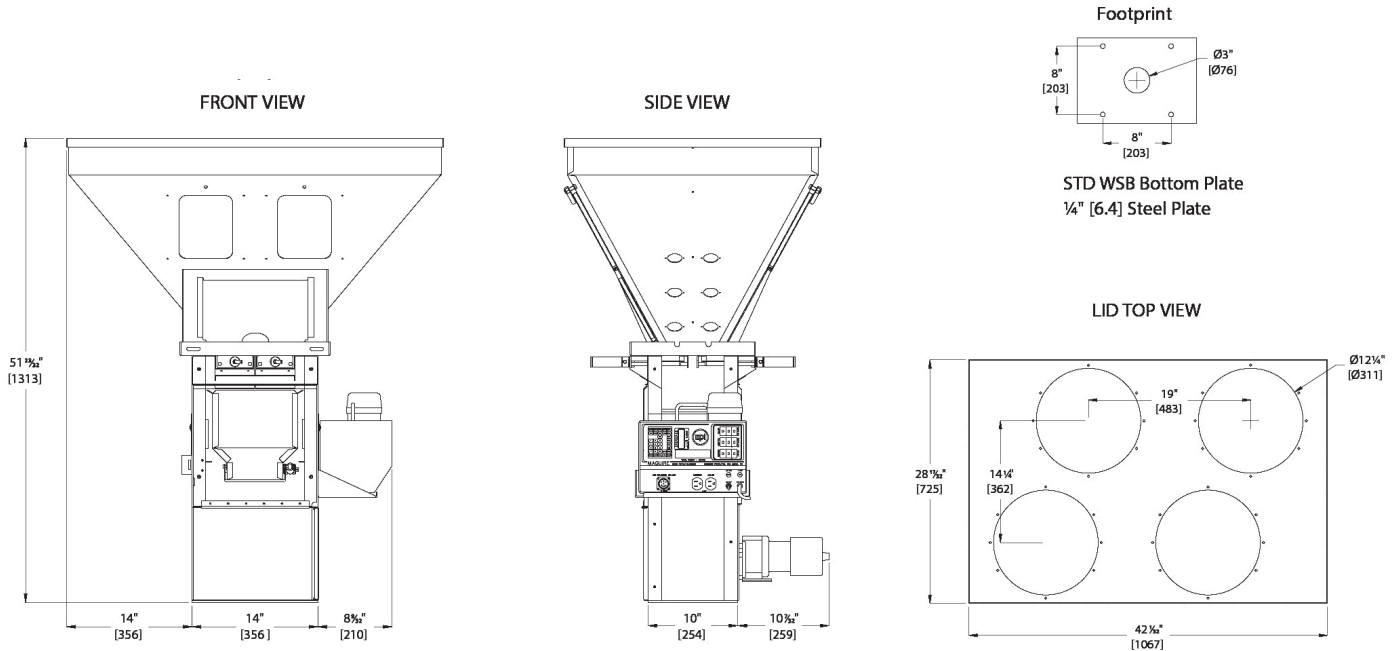


Model	WSB-420	WSB-421	WSB-422
Batch Size	Batch size, 8.8 lb (4 Kg)		
Maximum Throughput*	Up to 1450 lb/hr (Up to 650 Kg/hr)		
Number of Materials	2	3	4
Slide Gates	2	4	2
Vertical Valves/Feeders	0	1	2
Power Supply	120 vac - 8.5 Amp 230 vac - 2.7 Amp 415 vac - 1.1 Amp		
Operating Air Pressure	60-90psi 4-6 Bar		
Air Consumption	0.3 m ³ /hr 0.17cfm		
Shipping Weight lb/Kg	275/125	315/143	355/161
W x D x H	35.5 x 26.5 x 48 in 83 x 67 x 122 cm		

*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.

WSB-440 Series Gravimetric Blender

Compartments 1 & 2 - 1.2 ft³ [34 liters]



STD WSB Bottom Plate
1/4" [6.4] Steel Plate

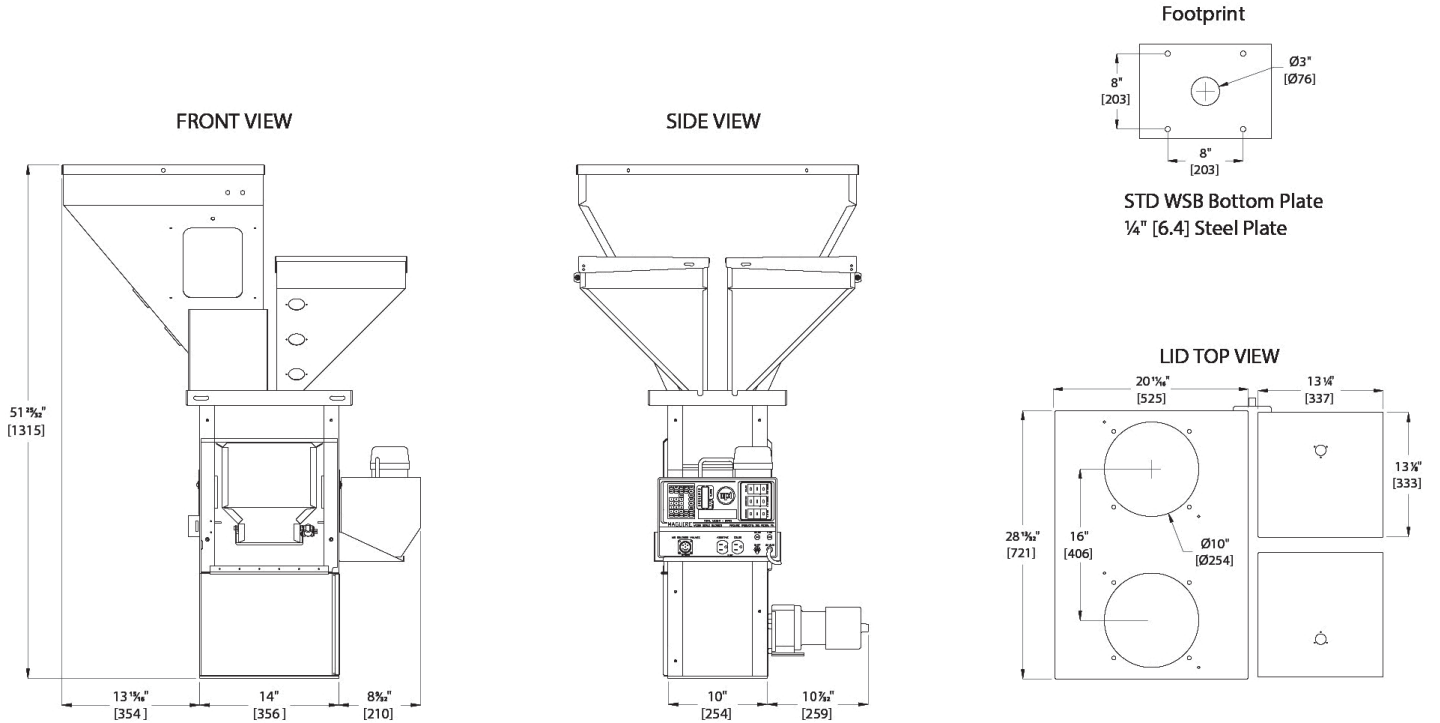
Model	WSB-440	WSB-441	WSB-442	WSB-444
Batch Size	Batch size, 8.8 lb (4 Kg)			
Maximum Throughput*	Up to 1450 lb/hr (Up to 650 Kg/hr)			
Number of Materials	4	5	6	8
Slide Gates	4	4	4	4
Vertical Valves/Feeders	0	1	2	4
Power Supply	120 vac - 8.5 Amp 230 vac - 2.7 Amp 415 vac - 1.1 Amp			
Operating Air Pressure	60-90psi 4-6 Bar			
Air Consumption	0.3 m ³ /hr 0.17cfm			
Shipping Weight lb/Kg	310/141	350/159	390/177	470/214

*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.

WSB-440R Series Gravimetric Blender

Compartments 1 & 2 - 1.2 ft³ [34 liters]

Compartments 3 & 4 - 0.5 ft³ [14 liters] (Removable)



Model	WSB-440-R
Batch Size	Batch size, 8.8 lb (4 Kg)
Maximum Throughput*	825 lb/h to 1200 lb/h 480 Kg/h to 635 Kg/h
Number of Materials	4
Slide Gates	2
Pivot Valve	1
Power Supply	120 vac - 8.5 Amp 230 vac - 2.7 Amp
Operating Air Pressure	60-90psi 4-6 Bar
Air Consumption	0.3 m ³ /hr 0.17cfm
Shipping Weight lb/Kg	300 lb 136 Kg

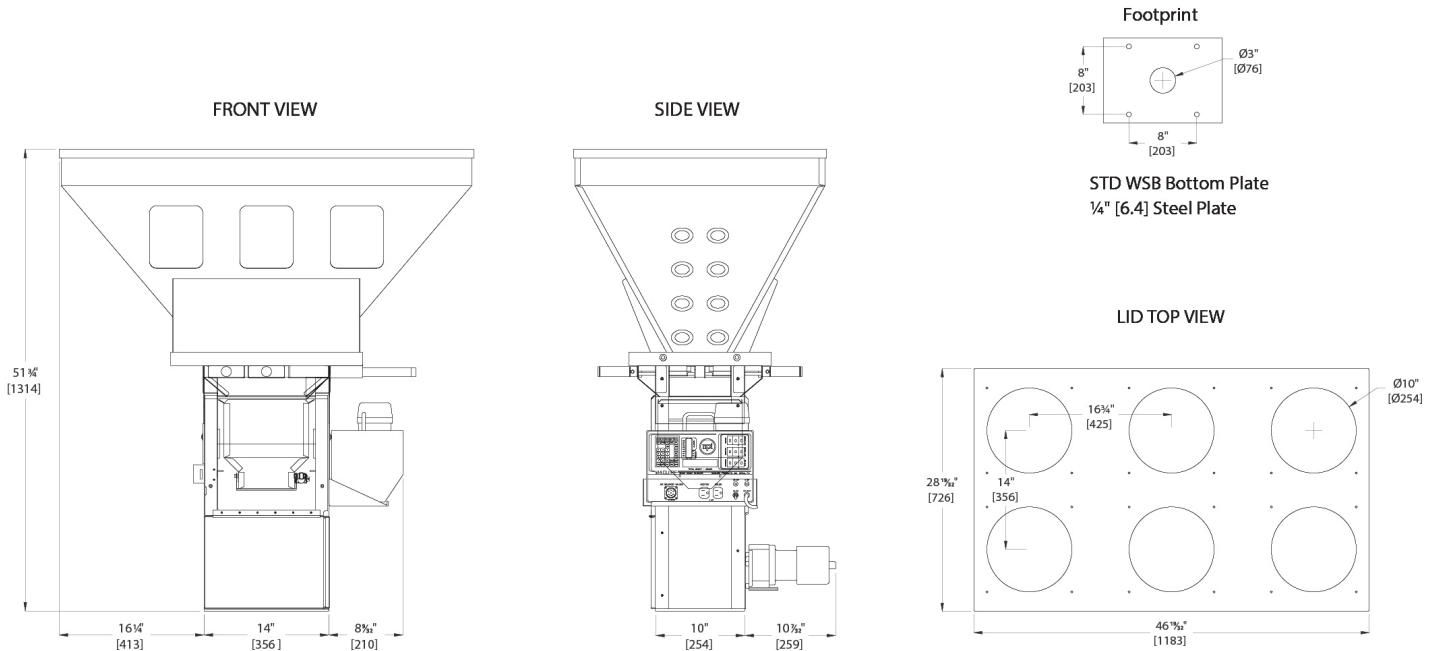
*Throughput achieved is influenced by number of materials, how well they flow, vibration and loading consistency - each can effect maximum output of a blender, which in turn effects sizing the correct blender required for an application.

WSB-450 Series Gravimetric Blender

Compartment 1 - 3 ft³ [84 liters]

Compartment 3 & 4 - 1.5 ft³ [42 liters]

Compartment 2 & 7 - 1 ft³ [28 liters]



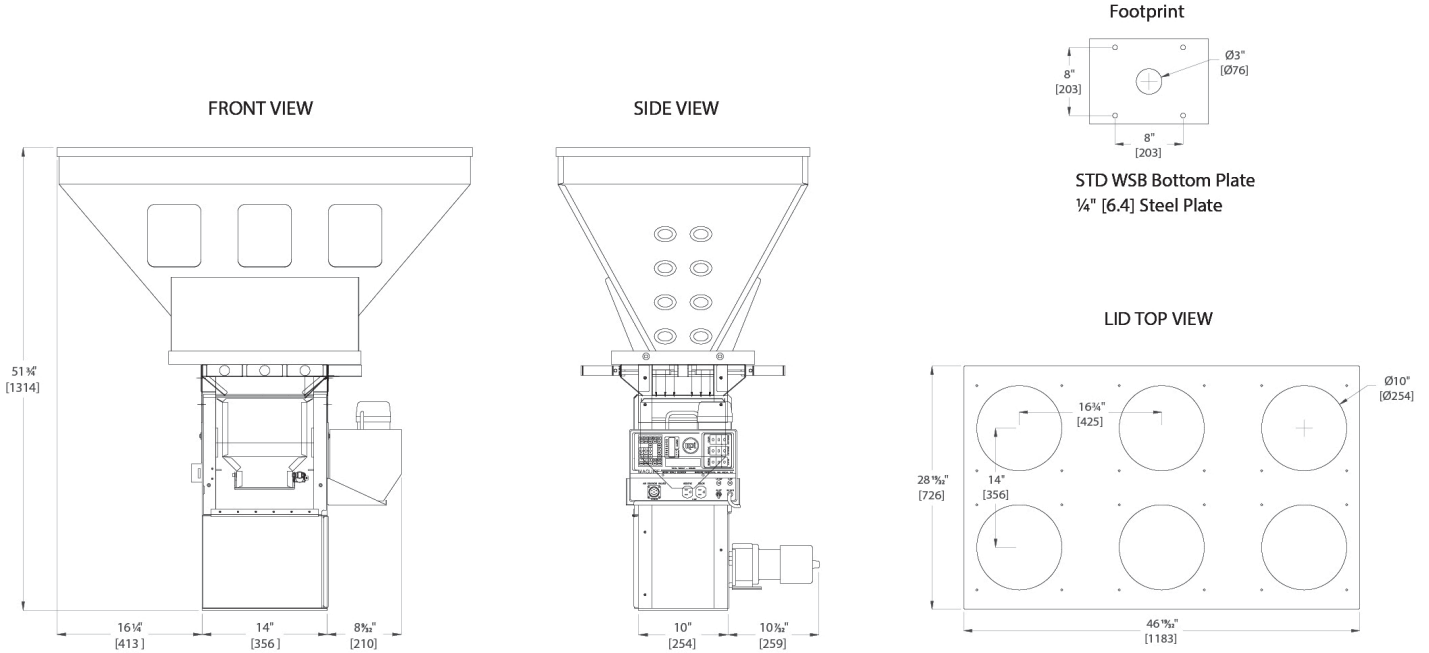
Model	WSB-450
Batch Size	Batch size, 8.8 lb (4 Kg)
Maximum Throughput*	830 lb/h to 1100 lb/h 480 Kg/h to 500 Kg/h
Number of Materials	5
Slide Gates	5
Power Supply	120 vac - 4.8 Amp 230 vac - 2.7 Amp
Operating Air Pressure	60-90psi 4-6 Bar
Air Consumption	0.3 m ³ /hr 0.17cfm
Shipping Weight lb/Kg	400 lb 180 Kg

*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.

WSB-460 Series Gravimetric Blender

Compartment 1,3,4,8 - 1.5 ft³ [42 Litres]

Compartments 2 & 7 - 1 ft³ [28 liters]



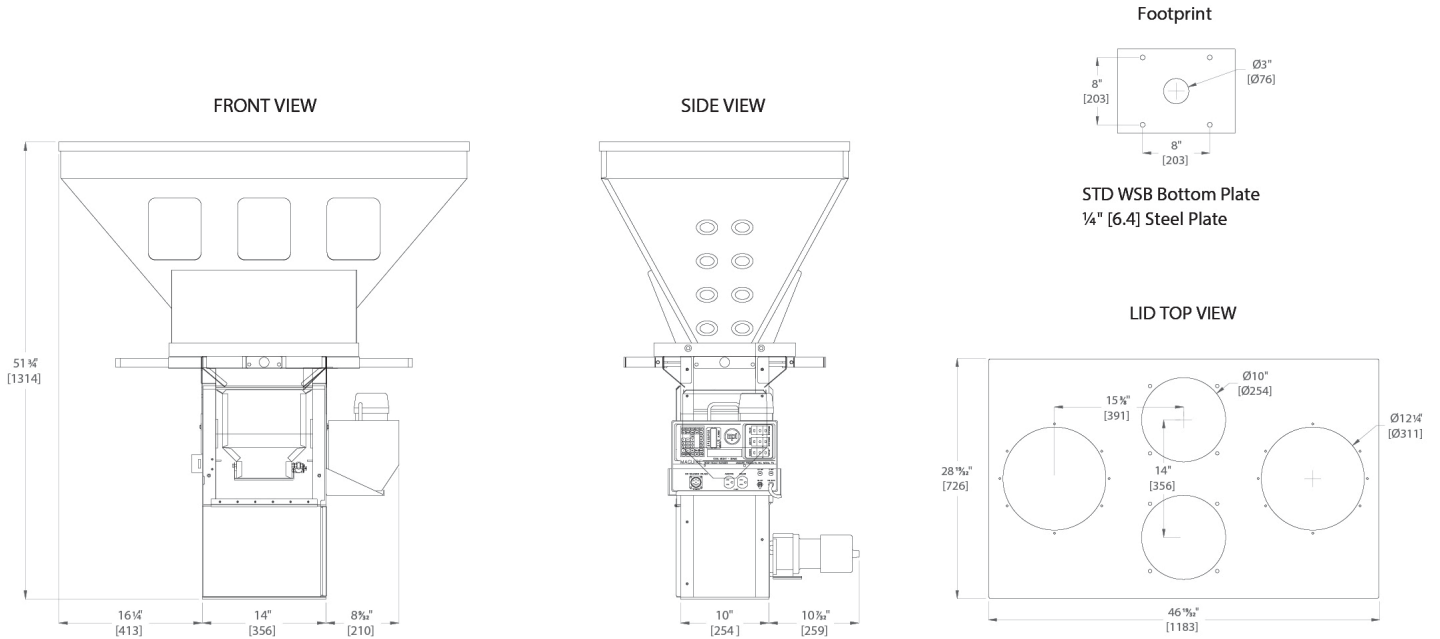
Model	WSB-450
Batch Size	Batch size, 8.8 lb (4 Kg)
Maximum Throughput*	825 lb/h to 1100 lb/h 375 Kg/h to 500 Kg/h
Number of Materials	6
Slide Gates	6
Power Supply	120 vac - 4.8 Amp 230 vac - 2.7 Amp
Operating Air Pressure	60-90psi 4-6 Bar
Air Consumption	0.3 m ³ /hr 0.17cfm
Shipping Weight lb/Kg	295 lb 134 Kg

*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.

WSB-44-L Series Gravimetric Blender

Compartment 1 & 2 - 1.5 ft³ [42 Litres]

Compartments 3 & 4 - 1 ft³ [28 liters]



Model	WSB-44-L
Batch Size	Batch size, 8.8 lb (4 Kg)
Maximum Throughput*	Up to 1400 lb/h Up to to 635 Kg/h
Number of Materials	4
Slide Gates	2" -3"x6" or 2"-2"x3"
Power Supply	120 vac - 4.8 Amp 230 vac - 2.7 Amp
Operating Air Pressure	60-90 psi 4-6 Bar
Air Consumption	0.3 m ³ /hr 0.17cfm
Shipping Weight lb/Kg	306 lb 1390 Kg

*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.

Advanced Controls Provide Flexibility and Accountability

Standard Controller

Over 40,000 in use around the world

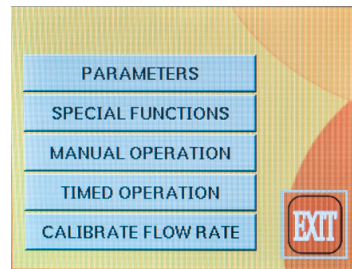
Enter settings for percentage of color, additive or regrind on the thumb wheel switches, and the system does the rest. Clear messages in 9 languages replaces coded readout. User-friendly interface: 2-line, 40-character vacuum fluorescent display. USB port included for software updates, printers and documentation. Ethernet capability now standard.



Advanced Color Touch Screen Control Option



Optional Touch Screen Remote



Blender Set-up

Standard features:

Touch screen control

A single control with Ethernet connectivity and intuitive 5.5" color touch screen controls all functions of all Weigh Scale Blenders®

Easy component assignment

Easy assignment of each component type on a single screen

Intuitive display

Intuitive display and tracking of all parameters for up to 12 ingredients

Easy access to parameters

Set Control Times, Vibration Control, Weight Limits, Components, Regrind Control, and Mixer

Recipe storage

Enter recipes as percentages or as ratios - stores up to 99 internal recipes

Record keeping

Material usage, alarms and operation details are easily downloaded to a USB drive or a printer

Flexible communications

Ethernet connectivity

Automatic calibration

Auto self-check and load cell calibration

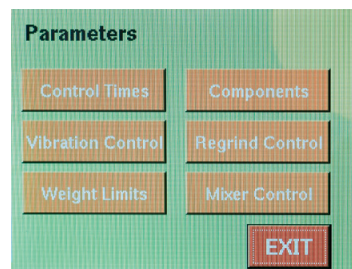
Password security

Two-level password security

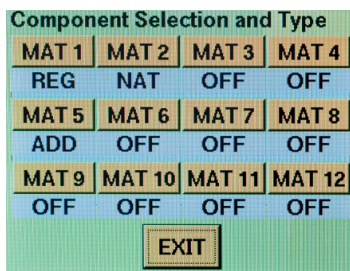
Software updates

Can be uploaded via USB port

All the features of the standard controller plus the ease of touch screen navigation. This optional control includes an intuitive, user-friendly touch screen and Ethernet connectivity. Unique on-board wireless capability eliminates the cost of installing cable throughout the production area and readily links to other wireless equipped machines.



Parameter Selection



Component Selection



2-Level Password Security