WSB-100 Series Gravimetric Blenders

Provides fast material changes and quick color changes with high consistency accuracy for injection molders and small extruders. Every material within ± 0.1% on a 1% setting.

The system tares the weight of the weigh bin and then each material is dispensed sequentially – Regrind, Natural, Color and Additive – in sequence to ensure accurate dispenses of every material within the blend. The current is mixed with previous batch to achieve a homogenous mix.

— 5 — YEAR warranty

140-R

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 (0.65) Quick color changes.

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.

Easy Setup
Settings are made easily by either use- friendly thumb wheels or entering settings directly on the keypad or the optional touchscreen.
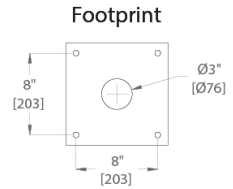
Removable Hoppers
On certain models are ideal for quick color or additive changes, reducing downtime.
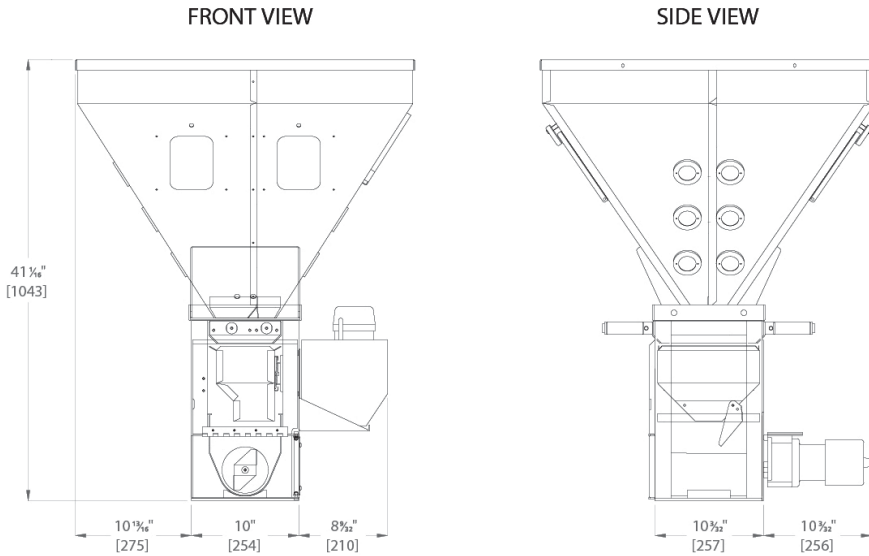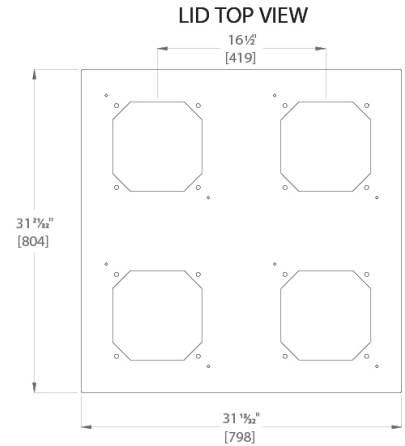
Choice of Controllers
Choose from the standard controller or the advanced touch screen controller. See page 5.

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 2.2 lb

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

› 5-Year warranty

NOVATEC™

WSB-140 Series Gravimetric Blender

Single Hopper with 4 Material Compartments, each 1.2 ft³ [34 Litres]

Footprint

8" [203]   Ø3" [Ø76]

8" [203]

STD WSB Bottom Plate
¼" [6.4] Steel Plate

FRONT VIEW

41 ⅛" [1043]

10 ¹³/₁₆" [275]   10" [254]   8 ⁹/₃₂" [210]

SIDE VIEW

10 ³/₃₂" [257]   10 ³/₃₂" [256]

LID TOP VIEW

16 ½" [419]

31 ²³/₃₂" [804]

31 ¹⁹/₃₂" [798]

Model	WSB-140
Batch Size	2.2 lb (1 Kg)
Maximum Throughput*	Up to 475 lb/h Up to to 210 Kg/h
Number of Materials	4
Slide Gates	2-1,5"x3" 2-1.5"x1.5"
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 m³/hr 0.17cfm
Shipping Weight lb/Kg	225 lb 102 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.

NOVATEC

WSB-140-R Series Gravimetric Blender

Compartments 1 & 2. each - 1.2 ft³ [34 Litres]
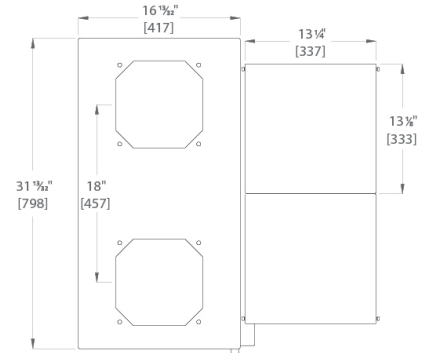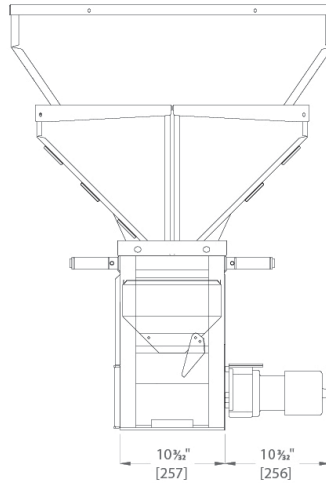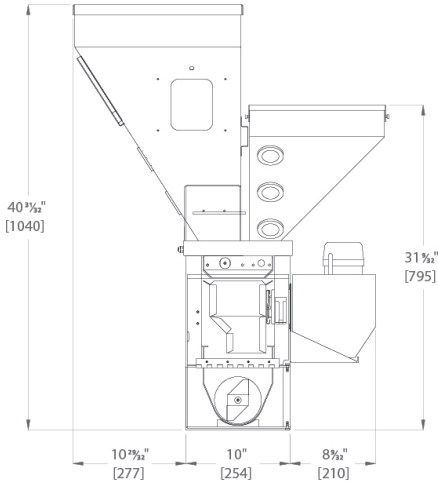Compartments 3 & 4. each - 0.5 ft³ [14 Litres]

FRONT VIEW

SIDE VIEW

8"
[203]

[Ø76]

8"
[203]

STD WSB Bottom Plate
¼" [6.4] Steel Plate

LID TOP VIEW

40 ³¹⁄₃₂"
[1040]

31 ⁵⁄₃₂"
[795]

10 ²⁹⁄₃₂"
[277]

10"
[254]

8 ⁹⁄₃₂"
[210]

10 ⅛"
[257]

10 ⁵⁄₃₂"
[256]

16 ¹⁹⁄₃₂"
[417]

13 ¼'
[337]

13 ⅛"
[333]

31 ¹⁹⁄₃₂"
[798]

18"
[457]

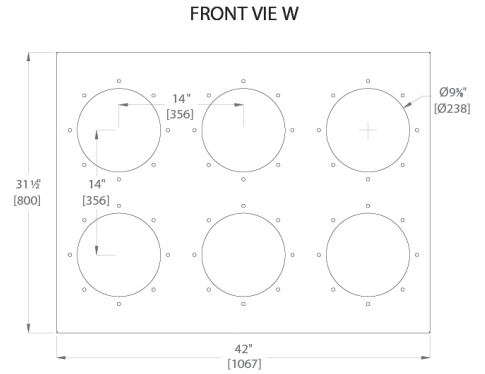| Model	WSB-140-R
Batch Size	2.2 lb (1 Kg)
Maximum Throughput*	Up to 450 lb/h Up to to 205 Kg/h
Number of Materials	4
Slide Gates	2-1.5"x3"
Pivot Valve	2 each 1"
Power Supply	120 vac - 4.8 Amp 230 vac - 2.5 Amp
Operating Air Pressure	60-90 psi 4-6 Bar
Air Consumption	0.3 m³/hr 0.17cfm
Shipping Weight lb/Kg	225 lb 102 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.

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WSB-160 Series Gravimetric Blender

The WSB-160 consists of 1 hopper with 6 material compartments

Footprint

8" [203]
Ø3" [Ø76]
8" [203]

STD WSB Bottom Plate
¼" [6.4] Steel Plate

FRONT VIEW

SIDE VIEW

40¹⁵⁄₁₆" [1040]

16" [406]
10" [254]
8⁹⁄₃₂" [210]

10³⁄₃₂" [257]
10³⁄₃₂" [256]

FRONT VIEW

31½" [800]
14" [356]
14" [356]
Ø9⅜" [Ø238]
42" [1067]
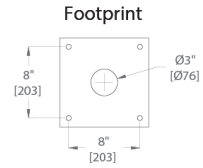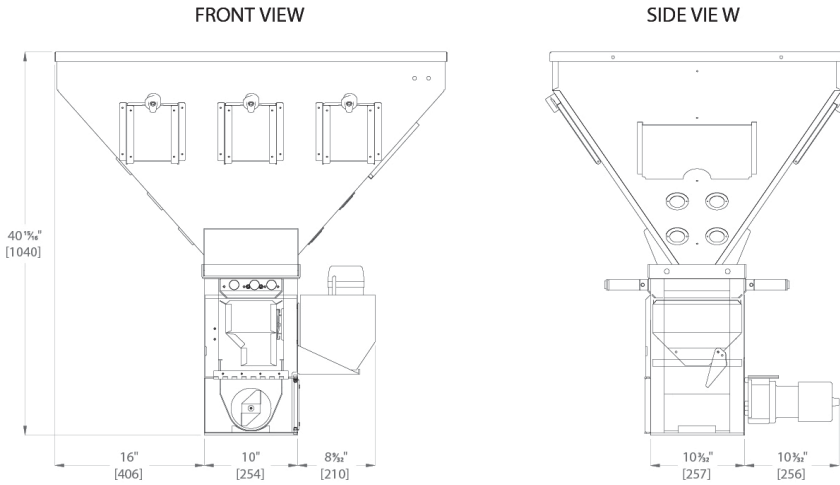
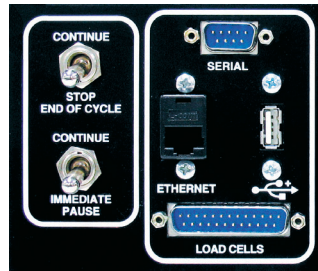| Model	WSB-160
Batch Size	2.2 lb (1 Kg)
Maximum Throughput*	Up to 425 lb/h Up to to 190 Kg/h
Number of Materials	6
Slide Gates	2-1.5"x2" 4-1.5"x1.5"
Power Supply	120 vac - 4.8 Amp 230 vac - 2.5 Amp
Operating Air Pressure	60-90 psi 4-6 Bar
Air Consumption	0.3 m³/hr 0.17cfm
Shipping Weight lb/Kg	275 lb 125 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.

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Advanced Controls Provide Flexibility and Accountability

Standard Controller
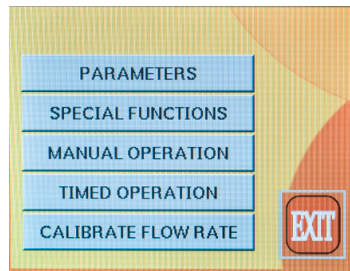## Over 40,000 in use around the world

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

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.

Blender Set-up

Parameter Selection

Component Selection

2-Level Password Security

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

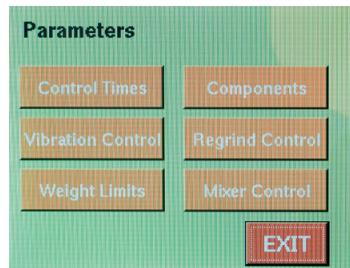### Automatic calibration
Auto self-check and load cell calibration
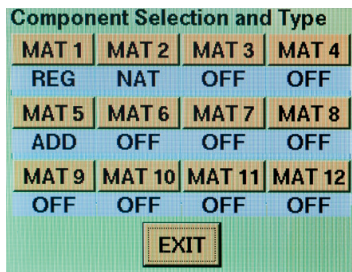
Password security
Two-level password security

Software updates
Can be uploaded via USB port

Baltimore, MD 21225 USA 410-789-4811 | Fax: 410-789-4638 | 1-800-BESTDRY (800-237-8379) | sales@novatec.com | **www.novatec.com**

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