WSB-900 Series Gravimetric Blenders

The series 900 weigh scale blenders are designed to meet the requirements of high throughput extrusion lines, large central blending systems and multiple component plastic recycling applications. Every material is dispensed accurately to within ± 0.1% on a 1% setting.

Twenty-one models have the capability of blending up to 12 components.

—5— YEAR warranty

WSB-940

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.

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

Choice of Controllers
Choose from the standard controller or the advanced touch screen controller. See page 5.
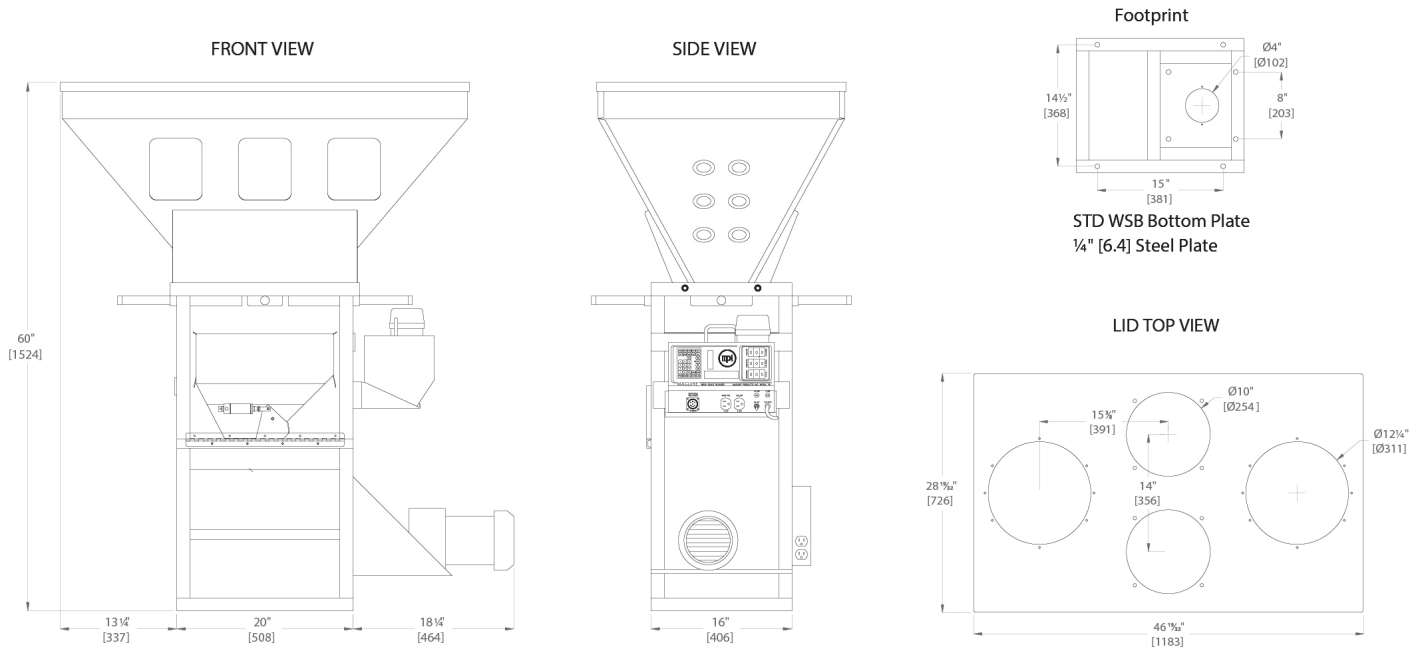
Plus

› 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 (.90 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

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WSB-940 Series Gravimetric Blender

Compartments 1 & 2- each 3 ft³ (84 Liters)
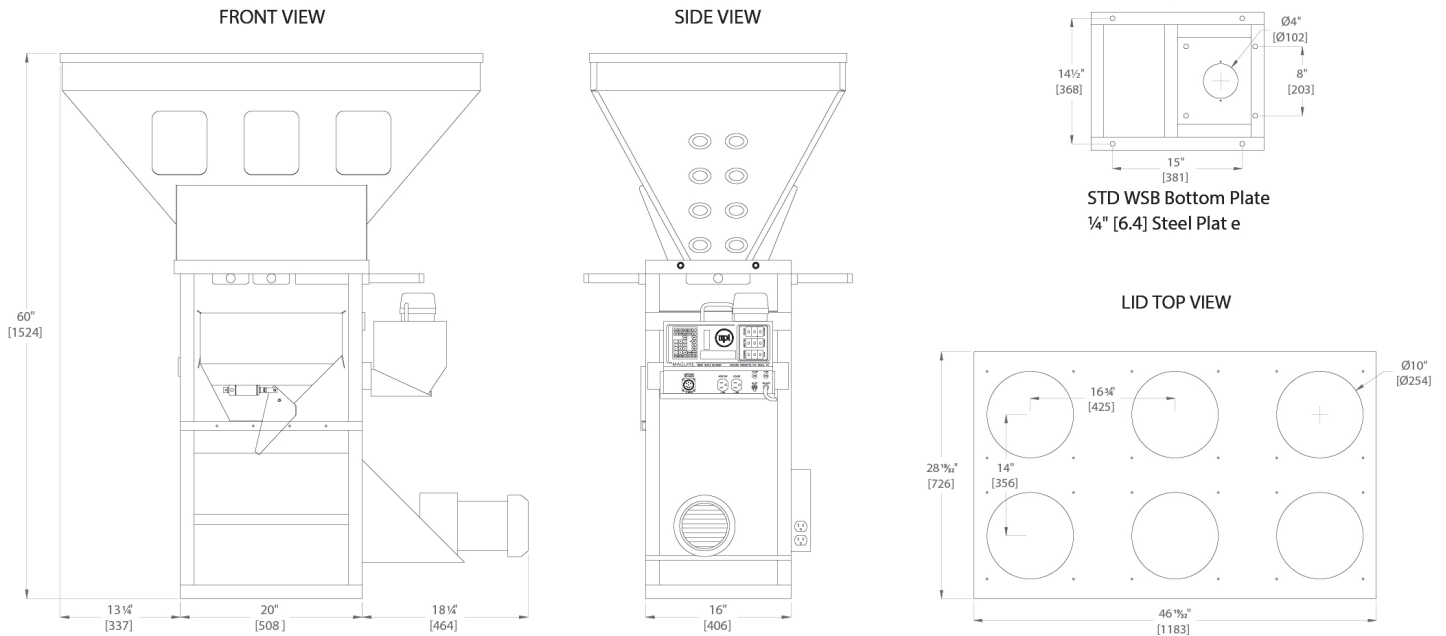
Compartments 3 & 4- each 1 ft³ (28 Liters)

FRONT VIEW

SIDE VIEW

Footprint

STD WSB Bottom Plate
¼" [6.4] Steel Plate

LID TOP VIEW

Model	WSB-940	WSB-941	WSB-942	WSB-944
Batch Size	20lb 9Kg			
Maximum Throughput*	Up to 4000 lb/hr (up to 1800 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	60-90 psi 4-6 Bar			
Air Consumption	0.3 m³/hr 0.17cfm			
Shipping Weight	420 lb 191 Kg	460 lb 209 Kg	500 lb 227 Kg	420 lb 191 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-950 Series Gravimetric Blender

Compartment 1 - 3 ft^3 [84 liters]
Compartments 3 & 4 - 1.5 ft^3 [42 liters]
Compartments 2 & 7 - 1 ft^3 [28 liters]
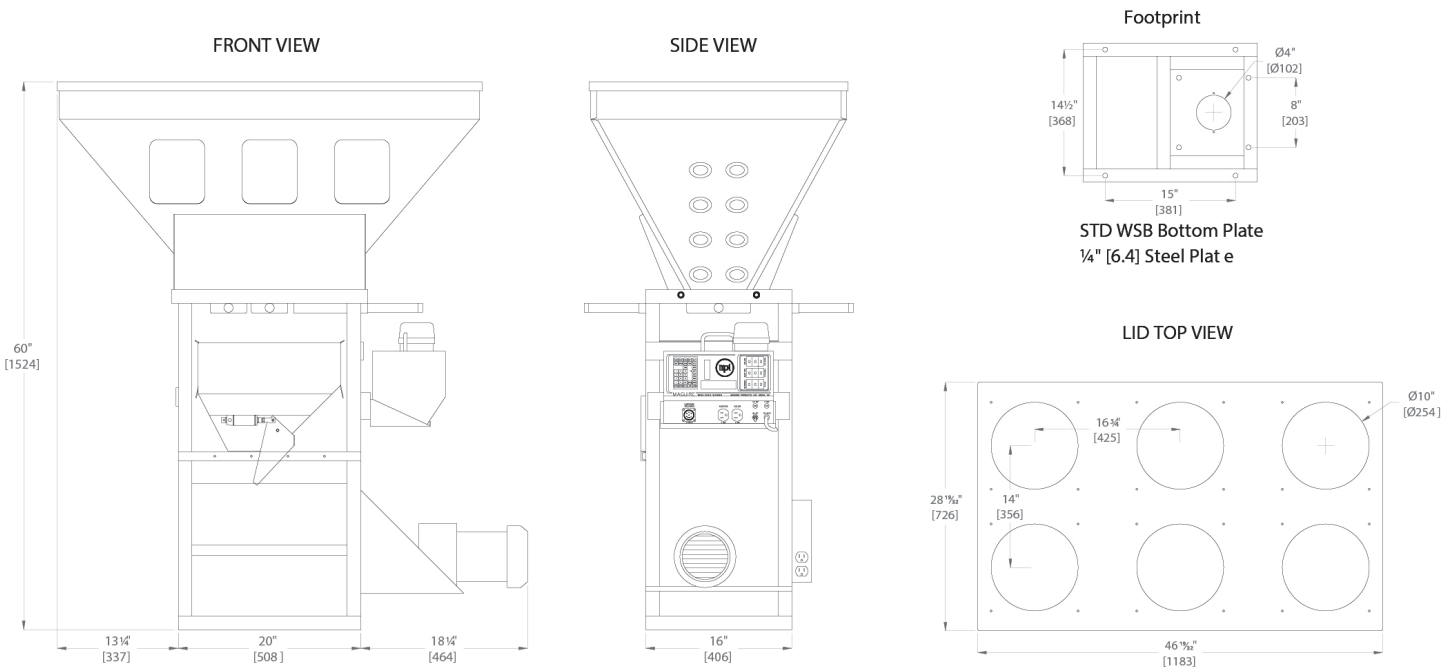Batch size, 19.8 lb (9 Kg)

FRONT VIEW

SIDE VIEW

Footprint

14½" [368]
Ø4" [Ø102]
8" [203]
15" [381]

STD WSB Bottom Plate
¼" [6.4] Steel Plate

60" [1524]

13¼" [337]
20" [508]
18¼" [464]

16" [406]

LID TOP VIEW

16¾" [425]
Ø10" [Ø254]
28¹⁹⁄₃₂" [726]
14" [356]
46¹⁹⁄₃₂" [1183]

Model	WSB-950
Batch Size	19.8 lb (9 Kg)
Maximum Throughput*	2135 lb/h to 2660 lb/h 970 Kg/h to 1200 Kg/h
Number of Materials	5
Slide Gates	1 each 3" x 6" 4 each 2" x 3"
Vertical Valves/Feeders	0
Power Supply	120vac - 8.5 Amp 230vac - 2.7 Amp 415vac - 1.1 Amp
Operating Air Pressure	60-90psi 4-6 Bar
Air Consumption	0.3 m³/hr 0.17cfm
Shipping Weight	481 lb 218 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-960 Series Gravimetric Blender

Compartments 1,3,4,8 each 1.5 ft^3 [42 liters]
Compartments 2 & 7 each 1 ft^3 [28 liters]
Batch size, 19.8 lb (9 Kg)

FRONT VIEW

SIDE VIEW

Footprint

14½" [368]

Ø4" [Ø102]

8" [203]

15" [381]

STD WSB Bottom Plate
¼" [6.4] Steel Plat e

LID TOP VIEW

60" [1524]

13¼" [337]   20" [508]   18¼" [464]

16" [406]

Ø10" [Ø254]

16¾" [425]

28 $^{19}\!/_{32}$" [726]   14" [356]

46 $^{19}\!/_{32}$" [1183]

Model	WSB-960
Batch Size	19.8 lb (9 Kg)
Maximum Throughput*	1890 lb/h to 2360 lb/h 860 Kg/h to 1070 Kg/h
Number of Materials	6
Slide Gates	6 each 2"x3"
Vertical Valves/Feeders	0
Power Supply	120vac - 8.5 Amp 230vac - 2.7 Amp 415vac - 1.1 Amp
Operating Air Pressure	60-90psi 4-6 Bar
Air Consumption	0.3 m³/hr 0.17cfm
Shipping Weight	481 lb 218 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
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application.

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Advanced Controls Provide Flexibility and Accountability

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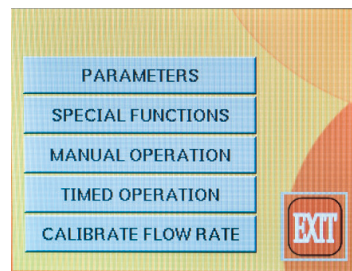## Over 40,000 in use around the world

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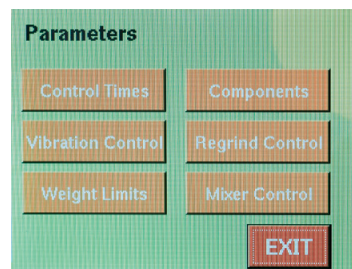Auto self-check and load cell calibration
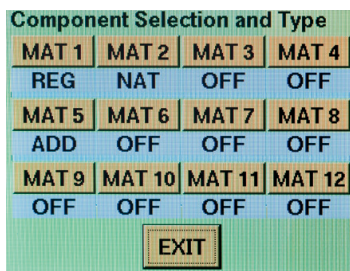
Password security
Two-level password security

Software updates
Can be uploaded via USB port

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