

Products » Blenders » 400 Series

400 Series

The 400 Series Blender: flexible, easily accessible, diverse.



Technical Data

The 400 Series Maguire Weigh Scale Blenders can be applied to meet the requirements of a variety of blending applications. With throughputs up to 1450 lb/hr (650 kg/hr) these models have the flexibility to be applied on-the-throat for medium sized throughput applications, next to the machine for easy access or on a specialized stand for central blending. These models have the capability of blending up to 8 components and are available with lightweight removable hoppers for fast, easy cleanout.

12 models available

Up to 1450 lb/hr (650 kg/hr)

For injection molders, small extruders and central blending.

Removable hopper option for quick color changes.

4 kg batch (8.8 lb)

Up to 8 components.

How It Works

All components are blended by weight based on the setting shown on the master controller. Each component is dispensed separately into a single weighing chamber, and then all components are dropped into a continuous mixing chamber which delivers a homogenous blend.

The entire unit is designed to mount over the feed throat of the process machine. Maguire's unique weighing method allows blenders to operate correctly in spite of vibration or shaking caused by the molding machine or extruder.

All Materials Metered By Weight

- Accuracy is constantly monitored.
- Automatic compensation for varying densities.

Extreme Accuracy

- In actual operation, color and additive is held to within

Support

Documentation

Manuals

[420 Technical Data Sheet](#)

[440 Technical Data Sheet](#)

[440R Technical Data Sheet](#)

[450 Technical Data Sheet](#)

[460 Technical Data Sheet](#)

[44L Technical Data Sheet](#)

[R Series Data Sheet](#)

[Gravimetric Blending](#)

[Gravimetric Blending FRENCH](#)

[Communication](#)

Videos

[WSB Touchscreen](#)

Drawings

1/10 of 1% of requested ratio.

Automatic Recalibration

- Every batch is followed by an error correction routine that continuously hunts toward perfect dispense weights.

Direct Setting of Percentages; No calculations

- Enter settings for percentage of color, additive, and regrind on the thumbwheel switches and the system does the rest.

Very Simple Operation

- Load hoppers with material; REGRIND, NATURAL, COLOR, ADDITIVE.
- Set thumbwheel switches for percentage desired.
- Turn controller on.
- The unit now operates automatically, adding components in the proper percentages. If material runs out an alarm will sound.

Drawings

[Front View](#)
[Side View](#)
[Components](#)
[Top View](#)
[Footprint](#)

Contact

Tel: 610-459-4300
 Fax: 610-459-2700
 Email: support@maguire.com

[Request A Quote](#)

Model	Batch Size	Components	Slide Gates	Vertical Valves/ Feeders	Capacity	Overall Dimensions	Overall Weight
WSB-400	4 kg						
WSB-420		2	2	0			275lb/125kg
WSB-421		3	2	1		32.5x26.5x48 (in)	315lb/143kg
WSB-222		4	2	2		826x673x1220 (mm)	355lb/161kg
WSB-440		4	4	0	(up to 1450 lb/hr)		310lb/141kg
WSB-441		5	4	1	(up to 650 kg/hr)		350lb/159kg
WSB-442		6	4	2		41.5x28x51.5 (in)	390lb/177kg
WSB-444		8	4	4		1054x711x1308 (mm)	470lb/214kg
WSB-440R		4	2	2			345lb/157kg
WSB-460		6	6	0			355lb/161kg