

Weigh Scale Blender & integrated Loss-in-Weight control

Integrated Solution

The WXB Gravimetric Batch Blender includes a fully integrated Loss-in-Weight mix chamber for all extrusion processes.

Blend Control

The WXB Gravimetric Blender is fitted with stainless steel slide gates that are controlled by the Maguire software to constantly update dispenses in a batch. Batch blending from 2 - 12 materials with dispense accuracy of +/- 0.1% on a 1% setting.

Blending & Throughput Control

The batch of materials is then dispensed into a mix chamber where the materials are blended together. The mix chamber and the materials usage by an extruder are monitored by load cells every second, and the data is being updated to the integrated control.

Up to 10% Material Cost Reduction

Up to 10% material cost reduction from automatic gram/meter, micron regulation, quicker start-up and reduced start-up material scrap.

Return on Investment Within 6 Months

Fast payback by reduced material usage and production scrap. Alongside savings are derived from constant throughput control and adjustment of extrusion process targets.

Quick Material Changes & Clean Out

Easy access to all material contact surfaces of the machine including hoppers, weigh bin and mixing chamber allows for rapid material changes without the use of tools. A compressed air gun is provided for quick cleanout.

Solutions for Extrusion Processes

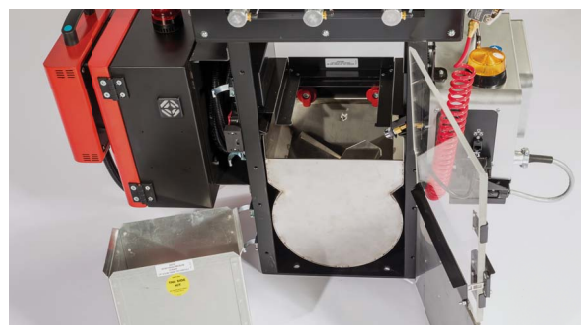
Suited to continuous extrusion processes for mono and co-extrusion processes. Applications include cable, cast film, blown film, sheet, pipe, tube & profile extrusion.

Maguire+Syncro Syntrol Control

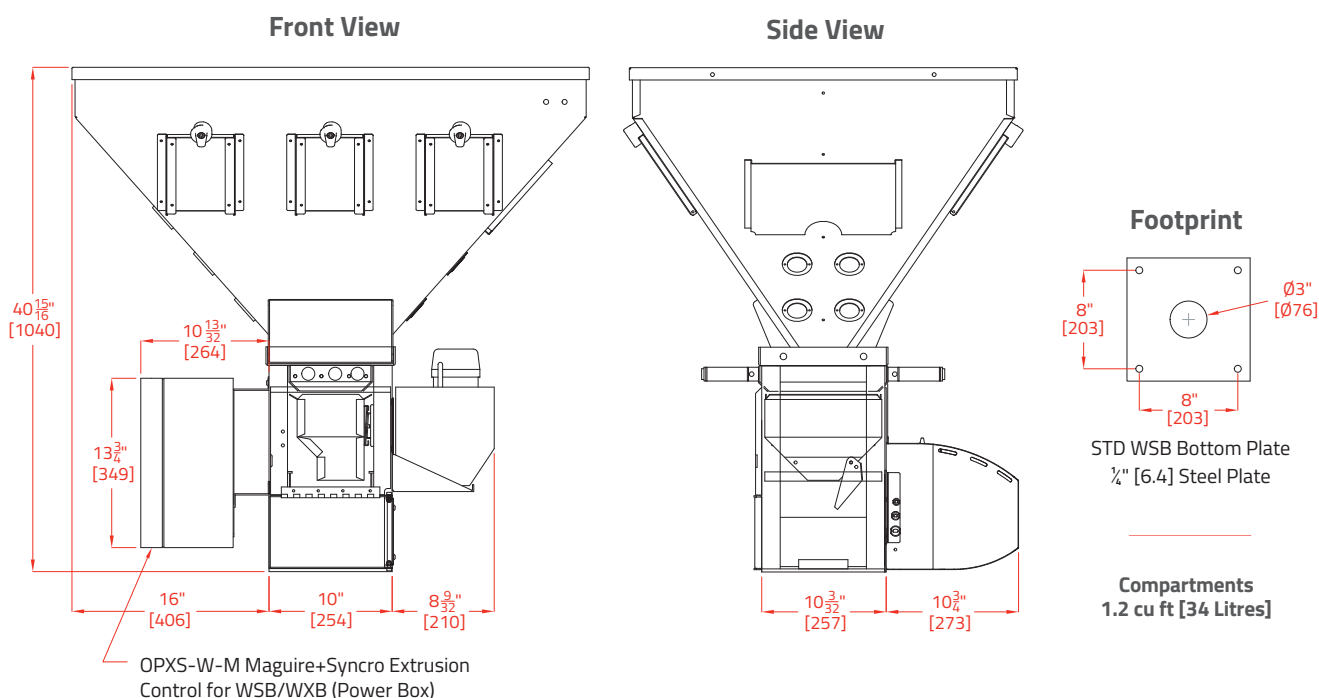
Maguire+Syncro specialist extrusion control for every type of extrusion process. Syntrol touchscreen allows quick and easy setup of extrusion process, managed from 1 HMI. Easily set process parameters like gram/meter, micron and layer ratios.

Expandable & Modular

- The WXB control is expandable and can be simply integrated with further downstream controls for automatic gauging and process control.
- WXB extrusion control module can easily be retrofitted with other modular components from Maguire+Syncro including air rings, IBC control, Gauging, and in-line recycling.



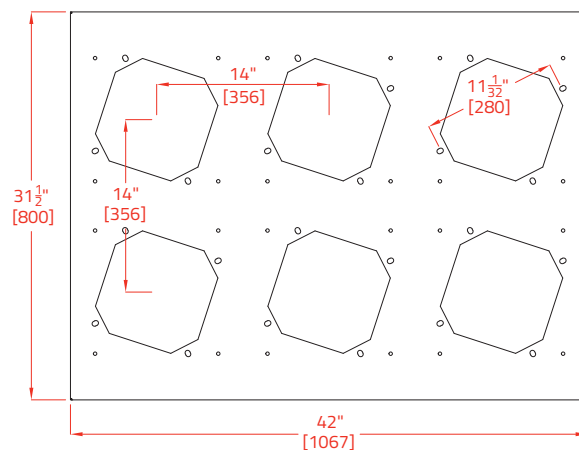
WXB 160 Weigh Extrusion Blender Dimensions



Technical Data

Model WXB 160	US	Metric
Throughput Range*	300 lb/hr to 425 lb/hr	135 kg/hr to 190 kg/hr
Number of Materials	6	
Material Dispense Systems	2-1.5"x2" Slide Gate 4-1.5"x1.5" Slide Gate	
Weight	190 lb	86 kg
Power Supply	120vac - 4.8 Amp 230vac - 2.5 Amp	
Operating Air Pressure	60-90 psi	4-6 Bar
Air Consumption	0.17 cfm	0.3 m ³ /hr
Shipping Weight	275 lb	125 kg
H x W x D	48 x 43 x 33.5 in	122 x 110 x 85 cm

Lid Top View



*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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