MODEL 530 VIBRATORY LOSS-IN-WEIGHT FEEDER OR BATCHER

OPTIONS
- Special Materials of Construction
- Hopper Vibrator
- Extended Discharge Length
- Hazardous Location Components
- Independently Driven Vertical Hopper Agitation
- Special Coatings on Material Contact Surfaces
- Automatic Refill System

POWER REQUIREMENTS
- 115 Volts, 1 Phase, 60 Hertz
- 15 Amp Service

EMPTY WEIGHT
- 75 - 150 lbs (34 - 68 kg) Standard

STANDARD PERFORMANCE
- Continuous Feedrate Control
  Better than +/- 0.25% Weighing Accuracy
  Better than +/- 1.0% Repeatability at 2 Sigma
- Batching Weight Control
  Better than +/- 0.1% Weighing Accuracy
  Better than +/- 0.1% Batch Accuracy

MODEL 530 with automatic refill system

SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>HOPPER VOLUME</th>
<th>CONTINUOUS FEEDRATE RANGE</th>
<th>BATCH WEIGHT RANGE</th>
<th>WIDTH</th>
<th>DEPTH*</th>
<th>HEIGHT</th>
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</thead>
<tbody>
<tr>
<td>530-05</td>
<td>0.5 CF</td>
<td>0.3 - 1.7 lbs/Min</td>
<td>0.3 - 37.5 lbs</td>
<td>13.5 In</td>
<td>32 In</td>
<td>12 In</td>
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<td></td>
<td>14.2 L</td>
<td>0.14 - 170 Kg</td>
<td>343 mm</td>
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<tr>
<td>530-1</td>
<td>1.0 CF</td>
<td>0.6 - 7.5 lbs/Min</td>
<td>0.2 - 75 lbs</td>
<td>13.5 In</td>
<td>35 In</td>
<td>39 In</td>
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<td>28.3 L</td>
<td>0.27 - 34 Kg</td>
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<tr>
<td>530-2</td>
<td>2.0 CF</td>
<td>0.4 - 15.0 lbs/Min</td>
<td>0.4 - 350 lbs</td>
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<td>39 In</td>
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<td>56.6 L</td>
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<td>530-3</td>
<td>3.0 CF</td>
<td>1.8 - 22.5 lbs/Min</td>
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<td>55 In</td>
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</tbody>
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* Depth Dimensions include Junction Box and Discharge Tray or Tube
** Feedrates and Batch Weights assume 10 - 100 lbs/ft³ Material Bulk Density.

MODEL 530 VIBRATORY LOSS-IN-WEIGHT FEEDER OR BATCHER

SIMPLE, PRECISE, GRAVIMETRIC
A variable speed control modulates the vibration to allow a process controller to increase or decrease the feedrate based on the load cell signal.

The Model 530 can easily be reconfigured for different feeding ranges by:

- Changing the depth of the material in the tray or tube
- Changing the tube or tray size and/or design
- Changing the flexures on the vibratory drive itself

The tray or tube discharge is designed based on the material and the application specifications. The vibrator is chosen to match the tray and material. A sample of the variety of shapes and sizes for both vibrators and discharges are shown below.

**VIBRATOR AND DISCHARGE COMBINATIONS**

**DESIGNED FOR FLEXIBILITY AND LOW COST**

**DESIGNED FOR PERFORMANCE**

Whether batching set amounts of weight or continuously controlling feedrate, the Model 530 can meet your process demands.

- Smooth gentle handling and discharge of material with minimal pulsation when compared to a screw discharge.

- Low maintenance with no bearings or other wear items traditionally associated with an auger style Loss-In-Weight discharge.

- Aluminum or stainless steel materials available. Your choice of industrial or food grade designs.

**FEATURES**

- Inlet
- Quick Release Clamp
- Material Hopper
- Discharge Tube or Tray
- Flexible Connection
- Vibratory Drive
- Strain Gauge Load Cell
- Shock Mounted Feet
- Agitator Drive and Motor (Optional)
- Feeder-Mounted Controls (Optional)
- Feeder-Mounted Motor Drives (Optional)

**BENEFITS**

- The sharply defined starting and stopping of material flow allows for extremely accurate batch weights of better than +/- 0.1%.

- The ability to feed at a very high coarse feedrate and then feed at a very low fine feedrate also helps improve batch accuracy.

- Because of the smooth discharge, the Model 530 can very accurately and repeatably deliver a continuous feedrate that is easier to control.

- The high frequency electromagnetic vibrator does not negatively affect the weight readings as much as other discharge devices might.