

Model 530 – Vibratory Loss-in-Weight Feeder

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[Model 530 Brochure](#)

- The Model 530 can be used to feed free flowing material into a process at designated feed rates with gravimetric precision. It can also be utilized to deliver a set amount of weight (batch) into a process.

The vibratory discharge device of the feeder is operated at a variable speed to deliver material from the feeder hopper into a process.



Specifications

Materials of Construction

- 304 Stainless Steel on all metal components
- Glass Beaded 2B Finish
- All Materials Contact Ground Smooth

Hopper

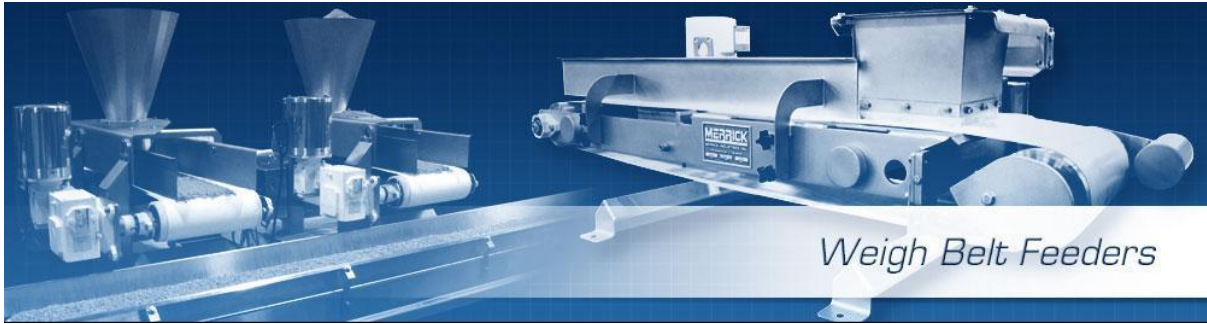
- 1.0Ft³ Volume
- Lift-Off Lid with Handle or Bolt-On

Discharge

- 304 Stainless Steel Construction

Control

- [Genetix Process Controller](#)
- Continuous, Batching and Rate-Controlled Batching Loss-in-Weight Applications
- Communication Interfaces:
 - o MERRICK Serial Communications Protocol
 - o Modbus ASCII, Modbus +
 - o DeviceNET, ControlNET



- Dust and Moisture tight Drive Elements
- No Sliding or Rotating Parts

Weight Sensing Device

- Single Strain Gauge Load Cell
 - Stainless Steel, Hermetically Sealed, Temperature and Pressure Compensated
 - 350 Ohm Bridge
 - 2 or 3 mV/V Signal
 - 15 Volt Excitation Maximum

Accuracy

- $\pm 0.5\%$ Continuous
- $\pm 0.1\%$ Batching

- DF1, Datahighway +

Feed Rates

- 1 to 500 Lbs/Hr

Gravimetric Turndown

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

Installed Weight

- 75 Lbs. (34. Kg.) Standard

Available Accessories

- Special Materials of Construction
- Hopper Vibrator
- Extended Discharge Tray Length
- Hazardous Location Components
- Larger Capacity Hopper