



Model 520 – Economical Loss-in-Weight System

[Chemical and Plastics Industries Brochure](#)

The Model 520 is MERRICK's economical Loss-in-Weight System consisting of a Volumetric Feeder, Platform Scale and Genetix® Controller. A Loss-in-Weight Feeder is a device or collection of devices, which receives material from an upstream supply and meters that material into a downstream process at a set feedrate based on feedback from a weigh-sensing device.

Platform Scale

- 304 Stainless Steel, low profile construction
- Precision strain gauge load cell with temperature and barometric compensation

Feed Rates

- 1 to 2,400 Lbs/Hr

Gravimetric Turndown

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

Hopper

- 1.0Ft³ -15.0 Ft³ Volume Hopper
- All Welds Continuous
- Material Conditioner/Agitator by Overwind Helix
- Drive Motor Speed Controller
 - LED Status Indicators
 - Start/Stop Switch
 - Potentiometer Speed Control 0%-100%
 - NEMA 4X, IP-65 Enclosure
 - 50:1 Auger Speed Reduction without any mechanical changes
 - Current Limiter for Auger Protection

Available Accessories

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

Control

- Genetix® Controller
- Continuous, Batching and Rate-Controlled Batching Loss-in-Weight Applications
- Communication Interfaces:
 - MERRICK Serial Communications Protocol



Accuracy

- $\pm 0.5\%$ Continuous
 - $\pm 0.1\%$ Batching
- Modbus ASCII, Modbus +
 - DeviceNET, ControlNET
 - DF1, Datahighway +