MERRICK MODEL 520 ECONOMICAL LOSS-IN-WEIGHT FEEDER

FEATURES AND BENEFITS

The Model 520 can be used for individual applications or in a group blending various materials together. Using the Model 520 for blending provides these benefits:

- Produces a more consistent product compensating for changes in material and environmental conditions.
- Better control and weighing accuracy lowers costs with less material needed and less product waste.
- Alarms and Data from a Loss-In-Weight Feeder can be used for data trending and troubleshooting.

DIMENSIONS

MODEL	BASE HOPPER CAPACITY	MAXIMUM FEEDRATE*	LENGTH	WIDTH	HEIGHT
520-V1	1.0 ft³	700 Lbs/Hour	24 Inches	19 Inches	24 Inches
520-V2	5.0 ft³	3,500 Lbs/Hour	31 Inches	29 Inches	36 Inches
520-V3	15.0 ft³	10,000 Lbs/ Hour	46 Inches	39 Inches	60 Inches

** Based on 50 Lbs/ft³ Material Bulk Density and 10 minutes between refills.*

Model 520 Loss-in-Weight Feeder

BLENDING AND CONTROL

FAMILY OF MERRICK COMPANIES

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DYNAMIC INNOVATIONS SINCE 1908
WEIGHING, FEEDING, CONTROLS & ENVIRONMENTAL SOLUTIONS

MODEL 520
ECONOMICAL LOSS-IN-WEIGHT FEEDER

SMALL INVESTMENT, LARGE RETURNS

MERRICK

MERRICK MODEL 520 ECONOMICAL LOSS-IN-WEIGHT FEEDER

ECONOMICAL DESIGN

The Model 520 is MERRICK's economical Loss-in-Weight System consisting of a Volumetric Feeder, Platform Scale and Process Controller. Whether the Model 520 is being used for Continuous Feedrate Control or Weigh Out Batching, the performance is comparable to much higher priced Loss-In-Weight Systems.

STANDARD COMPONENTS

- Process Control for:
  - Continuous Control
  - Batch Control
- Screw Feeder
- Platform Scale

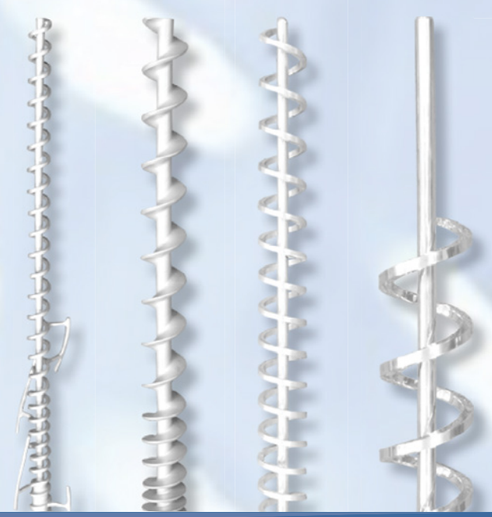
OVERWIND AGITATION

MERRICK has designed the auger (or helix) to be separate from the drive stub supporting the concentric helix. Because of this feature, augers can be resized or replaced at a substantially lower cost.

HELICES AND SCREWS

The Model 520 discharge and agitation is specifically designed for each application. Reliable flow of most materials is maintained by using the concentric over-wind around the screw or helix. Augers and helices are available in many designs and sizes to better match each application and material.

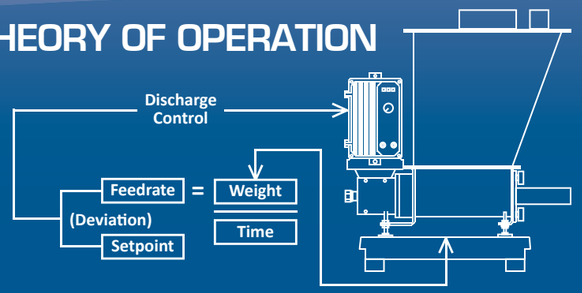
AUGER OVERWIND



LOSS-IN-WEIGHT STRENGTHS

- Can control at low feedrates
- High accuracy for small batches
- Handles semi-floodable materials
- Better suited for sealed or pressurized applications

THEORY OF OPERATION



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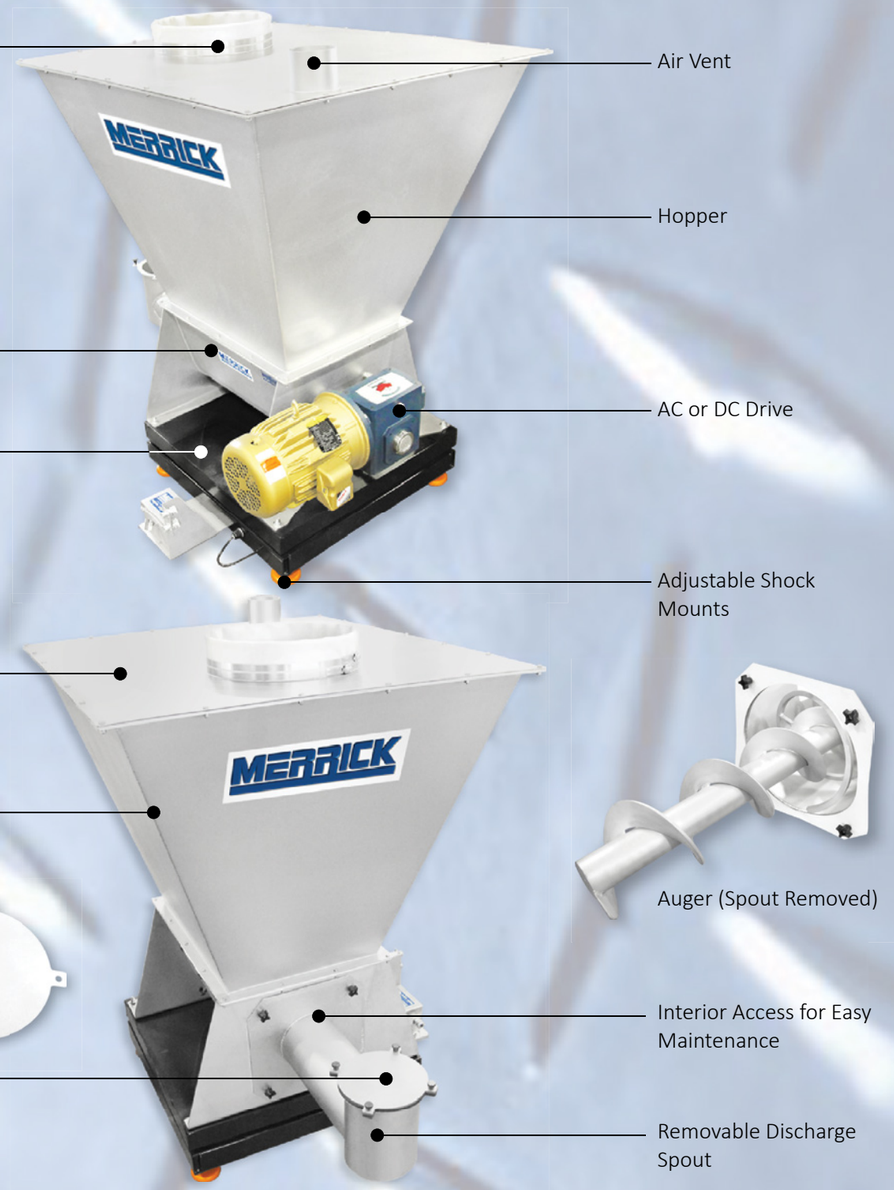
FEATURES



OPTIONAL

- 316 or 316L Stainless Steel Construction
- Hopper Vibrator
- Extended Discharge Length
- Independent Horizontal Agitation
- Refill Control Components
- Hazardous Location Components
- Extension Hoppers
- Food Grade Finish and Seals
- Stainless Steel Platform Scale
- Lift Off or Bolt-On Cover