

MERRICK MODEL 570 LOSS-IN-WEIGHT FEEDER

SPECIFICATIONS

MATERIALS OF CONSTRUCTION

- 304 Stainless Steel Parts, 316 Stainless Steel is Optional
- All Non-Metallic Parts are USDA / FDA Approved

POWER REQUIREMENTS

- 115V ±10% Single Phase, 50/60 Hz

VARIABLE SPEED DRIVE

- 1/4 HP or 1/2 HP DC Motor with SCR Motor Speed Controller

ACCURACY

- Up to ±0.25% of Set Rate at 2 Sigma

AMBIENT TEMPERATURE LIMITS

- 0° to 77° C (32° to 170° F)

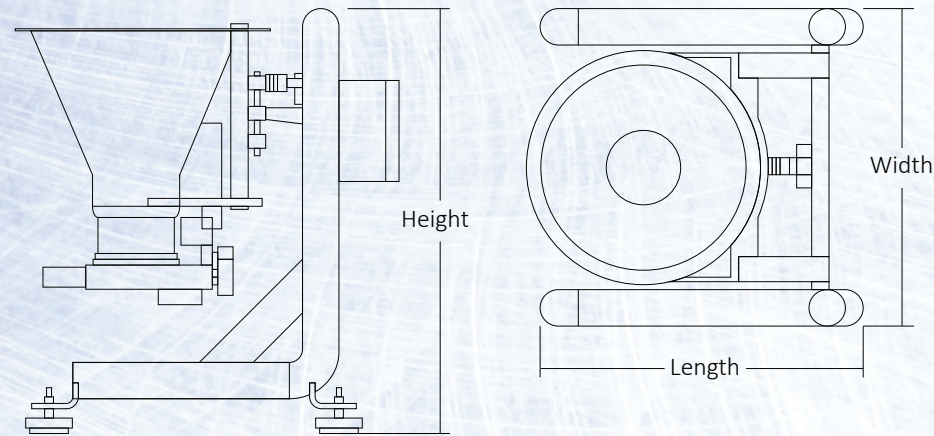
TURNDOWN

- 15:1 from Maximum Feedrate



Model 570 Loss-in-Weight Feeder

DIMENSIONS



MODEL	BASE HOPPER SIZE	MAXIMUM FEEDRATE	LENGTH	WIDTH	HEIGHT
570-E1	0.75 ft ³	2,000 P/H 907 Kg/H	25 Inches 635 mm	25 Inches 635 mm	33 Inches 838 mm
570-E2	1.50 ft ³	10,000 P/H 4,536 Kg/H	25 Inches 635 mm	25 Inches 635 mm	38 Inches 965 mm
570-E3	5.00 ft ³	24,000 P/H 10,886 Kg/H	37 Inches 940 mm	36 Inches 914 mm	50 Inches 1,270 mm

* Maximum feedrates will vary based on material characteristics.

FAMILY OF
MERRICK
COMPANIES

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

MODEL 570 LOSS-IN-WEIGHT FEEDER



MERRICK

MERRICK MODEL 570 LOSS-IN-WEIGHT FEEDER

DESIGNED FOR ACCURACY

The Model 570 is MERRICK's high end Loss-in-Weight feeder line. It's a full line of stainless steel feeders and comes with hopper sizes from 1.5 CF to 90 CF. The Model 570 has an accuracy of up to 0.25% at a set rate of 2 Sigma. Our Loss-in-Weight feeders can be configured to meet USDA or FDA approval standards.



Model 570 Loss-in-Weight Feeder

"NO TOOLS" MODULAR CONSTRUCTION

If your process requirements change, so can your feeder. All components in the path of material flow can be removed and replaced without the use of tools.

Installation, inspection, cleaning and maintenance are all made simpler by the use of hand clamps for removal and replacement of the feeder components.

STANDARD DESIGN

- Sanitary Design to Eliminate Contaminant Build-Up
- Open Design for Easy Access to All Components
- Stainless Steel Washdown Construction for Quick Cleaning
- Single, Hermetically-Sealed Stainless Steel Load Cell for Accuracy and Reliability
- Cog Belt Drive Eliminates the Need for Periodic Lubrication and Maintenance
- Quick Release Clamps Allow Modules to be Removed and Installed Without the Use of Tools
- Twin Screw, Single Screw and Vibratory Discharge Modules are Available and Designed to be Interchangeable for Maximum Flexibility

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STANDARD FEATURES

Stainless Steel Construction

Base Hopper

Spool

Interchangeable Discharge Devices

Agitator Drive

Motor Speed Controllers

Load Cell Connection

Power Panel

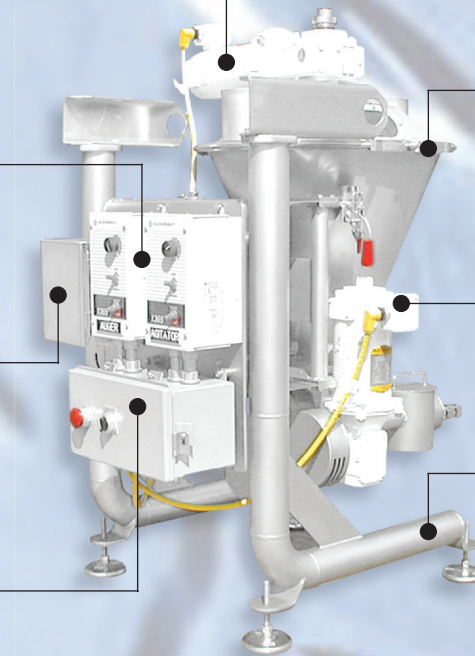
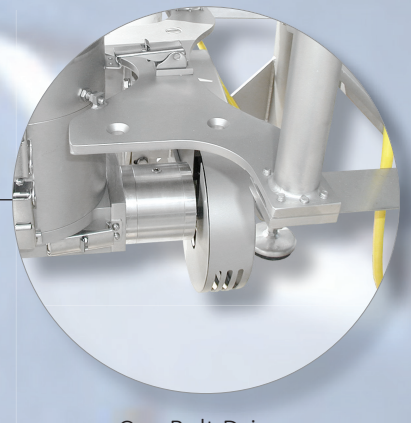
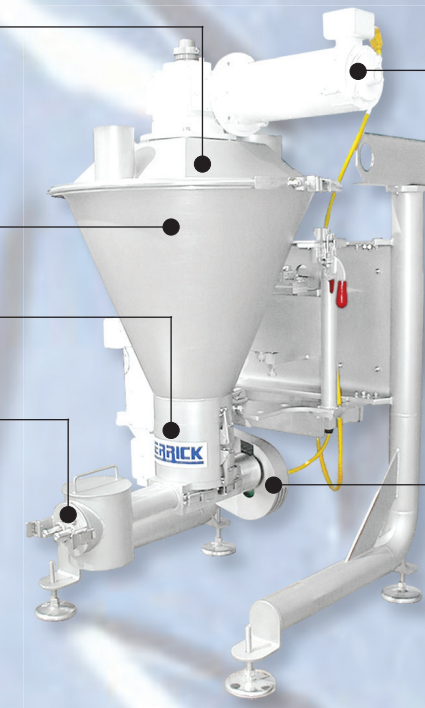
Agitator Drive

Cog Belt Drive

Quick Release Clamp

System Drive

Standard Floor Mount Frame



OPTIONAL ACCESSORIES

- Manual Refill Hopper Cover
- Hazardous Location Electrical Components
- Chemical Duty or BISSC Certified Motors and Reducers
- Special Materials of Construction
- Hung from Above and Wall Structures Available
- Extended Discharge and Spout Lengths
- Spout Available with Vertical Discharge and End-Bearing Auger Support

GENETIX® PROCESS CONTROLLER

The Genetix® process controller for scales and weigh feeders is a powerful single-board controller for a range of applications: from small single-scale installations to large multi-feeder blending systems. It does not require an operator display to function and can be connected to most modern PLC systems using Devicenet™, Controlnet™, Profibus®, Ethernet, and other industrial interfaces.

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