

MERRICK MODEL 455 MILLENNIUM WEIGH FEEDER

CUSTOM ENGINEERED FOR ACCURACY AND RELIABILITY

HEAD PULLEY DRIVE

- Shaft Mounted Speed Reducer with Inverter Duty AC Motor
- VFD (Variable Frequency) Speed Control, Mounted Separately (DC/SCR Motor & Drive Available)

BELT WIDTHS

- 18" (457mm) to 48" (1,200mm)

ACCURACY

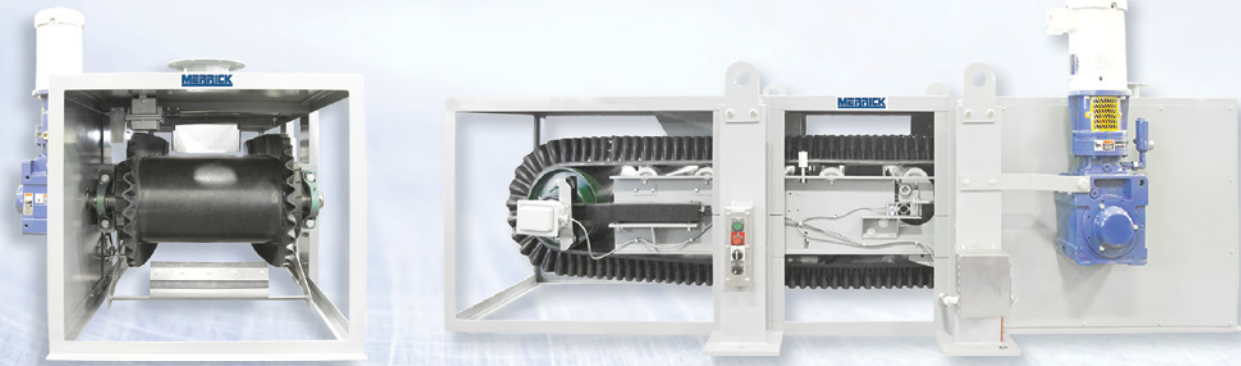
- Up to $\pm 0.25\%$ of Set Rate at 2 Sigma

ACCESSORIES

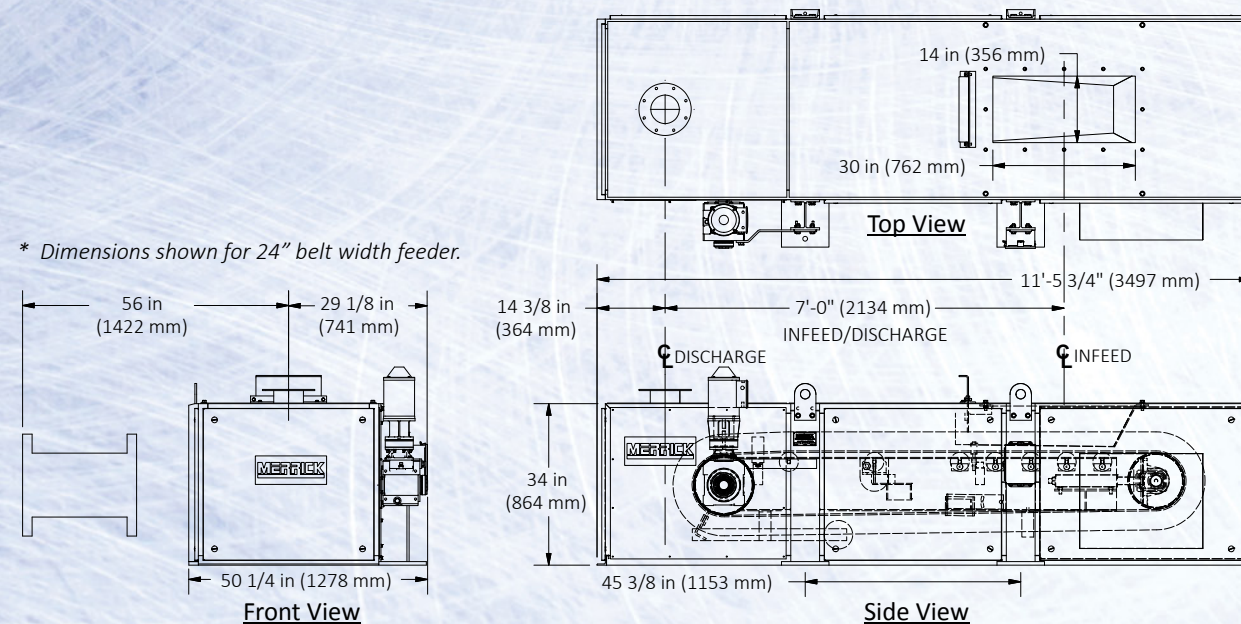
- Feeder Supports
- Infeed Valves, Knife Gate, Rod Gate, Slide Gate Styles Available
- Discharge Hoppers, Chutework
- Fully Integrated Control Systems to Interface with Plant PLC Networks

FEEDRATE RANGE

- 1 to 900 TPH

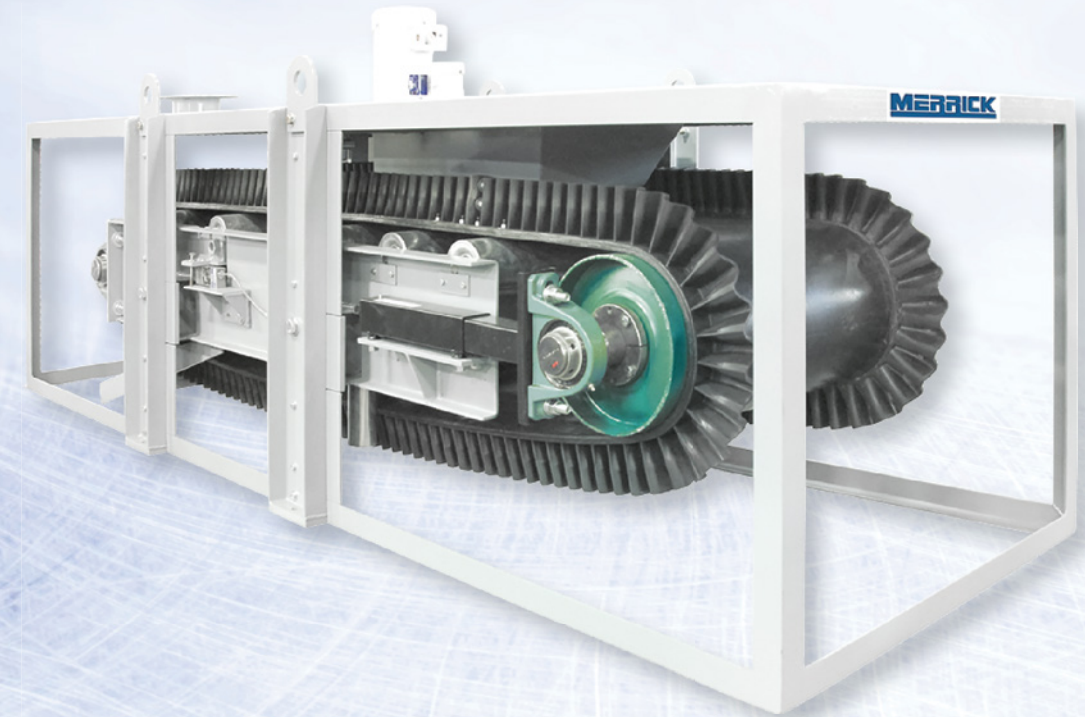


STANDARD DIMENSIONS



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

MODEL 455 MILLENNIUM GRAVIMERIK® HEAVY DUTY WEIGH FEEDER



ACCURATE AND DURABLE MATERIAL METERING
 WITH EASY BELT REPLACEMENT

FAMILY OF
MERRICK
 COMPANIES

10 ARTHUR DRIVE LYNN HAVEN, FL 32444 USA
 CALL WORLDWIDE +1 850.265.3611
 EN ESPAÑOL +1 850.271.7834
WWW.MERRICK-INC.COM



MERRICK MODEL 455 MILLENNIUM WEIGH FEEDER

DESIGNED FOR ACCURACY

Owning a gravimetric weigh belt feeder from MERRICK means your facility will reap the benefits of our commitment to material handling accuracy and reliability. We understand that our clients rely on their weigh belt feeders to deliver repeatable results at a desired flow rate in harsh environments, which is why we are so proud of our GRAVIMERIK® Model 455 Millennium weigh belt feeder solutions. Not only has MERRICK been in the weigh feeding industry since 1908, but our company is the inventor of dynamic weighing, so you can be assured that your MERRICK feeders are built to last and perform for many years to come.

RUGGED DESIGN FEATURES

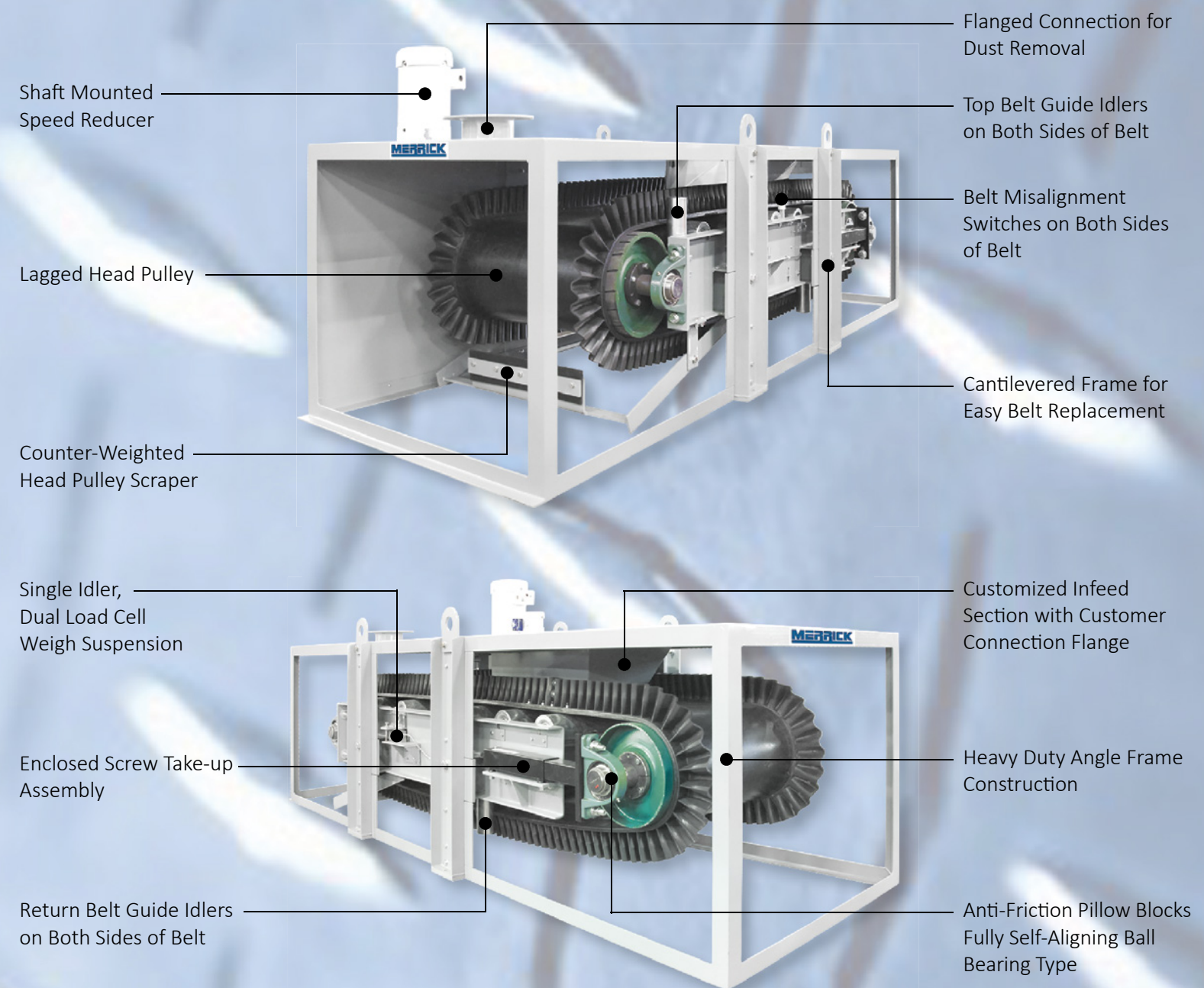
- Dust Confining Enclosure with Removable Access Panels on All Sides. Includes Flanged Dust Collection Port Over Feeder Discharge
- Custom Infeed Section with Flanged Customer Connection
- Outboard Legs are Removable to Facilitate Endless Belt Replacement
- 4" Flanged Sidewall, Vulcanized Endless Conveyor Belt Rated at 212° F (100° C)
- Manually Adjustable Shear Gate for Setting Material Depth on Belt
- 4" Diameter Cema "C", Flat Belt Style Carrying Idlers with Sealed for Life Bearings
- Crowned Head Pulley with Vulcanized Rubber Lagging. Bare Tail Pulley
- Anti-Friction Head and Tail Pulley Pillow Blocks, Fully Self-Aligning Ball Bearing Type, Provided with Lubrication Fittings
- Counter-Weighted Scraper at Head Pulley and Plow Scraper on the Return Side of Belt
- Dual Load Cell Weigh Suspension with No Moving Parts
- High Resolution Tail Pulley-Mounted Speed Sensor
- Calibration Test Weights



Model 455 Millennium

MERRICK MODEL 455 MILLENNIUM WEIGH FEEDER

STANDARD FEATURES



Model 455 Millennium with Covers Removed

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.

Genetix® is a registered trademark of MERRICK Industries, Inc. All other trademarks are the property of their respective owners.

OPTIONS

- Custom Feeder Lengths and Widths
- Self-Cleaning Tail Pulley
- Top Mount Reducer and Motor with Chain Drive
- Custom Belts for Customer Needs - High Temperature, Flat Belts with Skirtboards, 1" Flanged Vanner-Edge
- Zero Speed Switches, Emergency Pull Cord Switches
- Custom Control Panels
- Drag Chain / Screw Cleanout Conveyors
- Valves for Material Shutoff & Feeder Maintenance
- Discharge Chutes, Sloped Bottom Cleanouts, Spill Hoppers

