MORE THAN JUST A FEEDER COMPANY - COMPLETE WEIGHING SYSTEMS

Silo

Bulk Bag

Bag Dump

Controls

Conveying

Merrick ✓

Weigh Belt Feeders

Loss-in-Weight Feeders

Packaging, Blending, Mixing
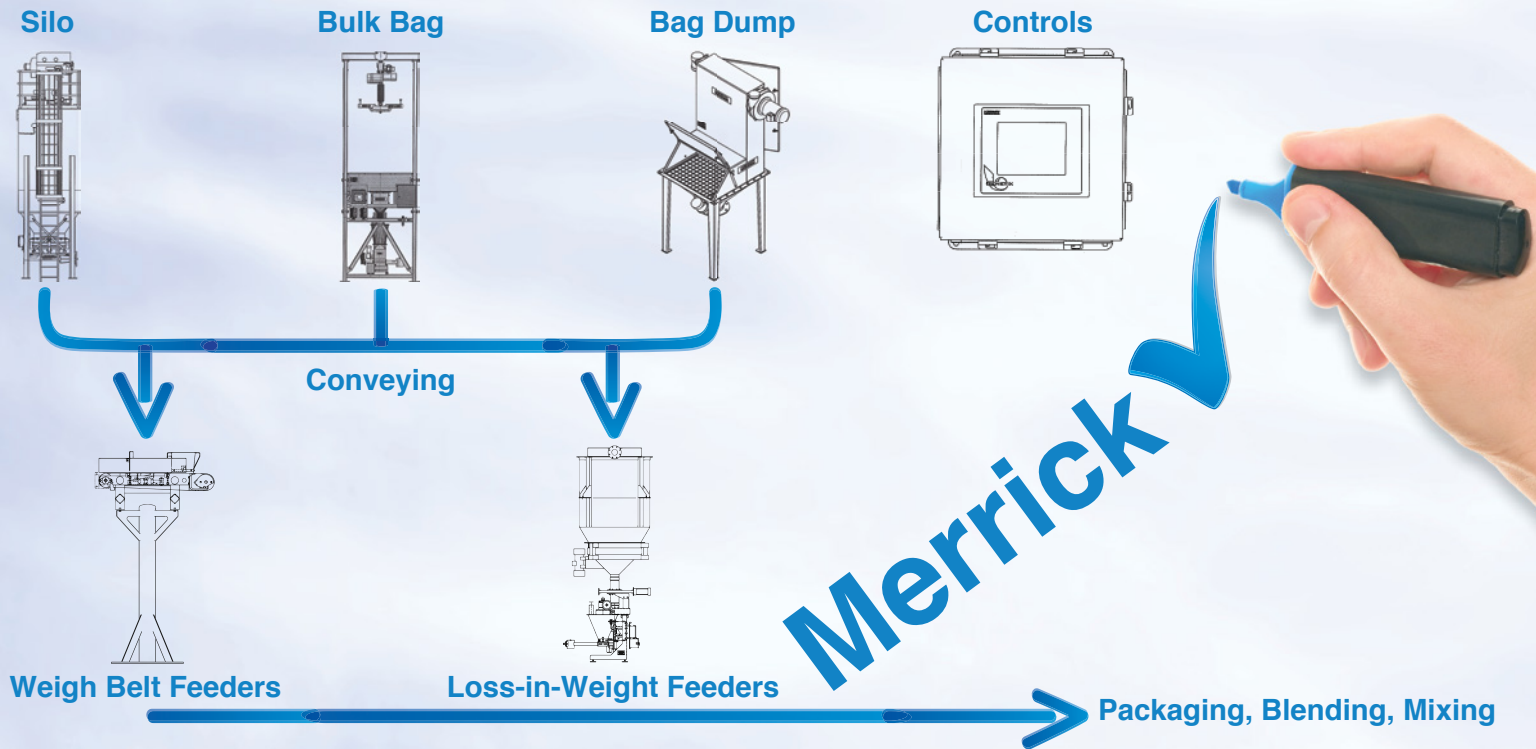
MERRICK HAS WEIGHING AND FEEDING SYSTEMS FOR

Corn Flakes	Cereal	Cookies	Sugar	Candy
Nuts	Snack Bars	Baking Mixes	Pet Food	Trail Mix

INTEGRATED CONTROL SYSTEMS
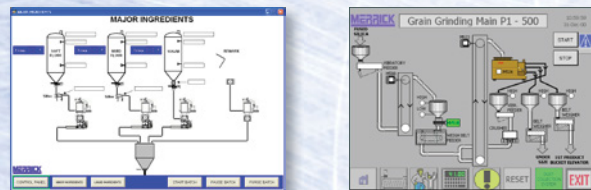
MERRICK's state of the art HMI control systems allow you to view and control processes within a system application and seamlessly integrate with our feeder systems.

FOOD APPLICATION CREDENTIALS

- FDA Approved Materials
- USDA/Dairy 3A Certified
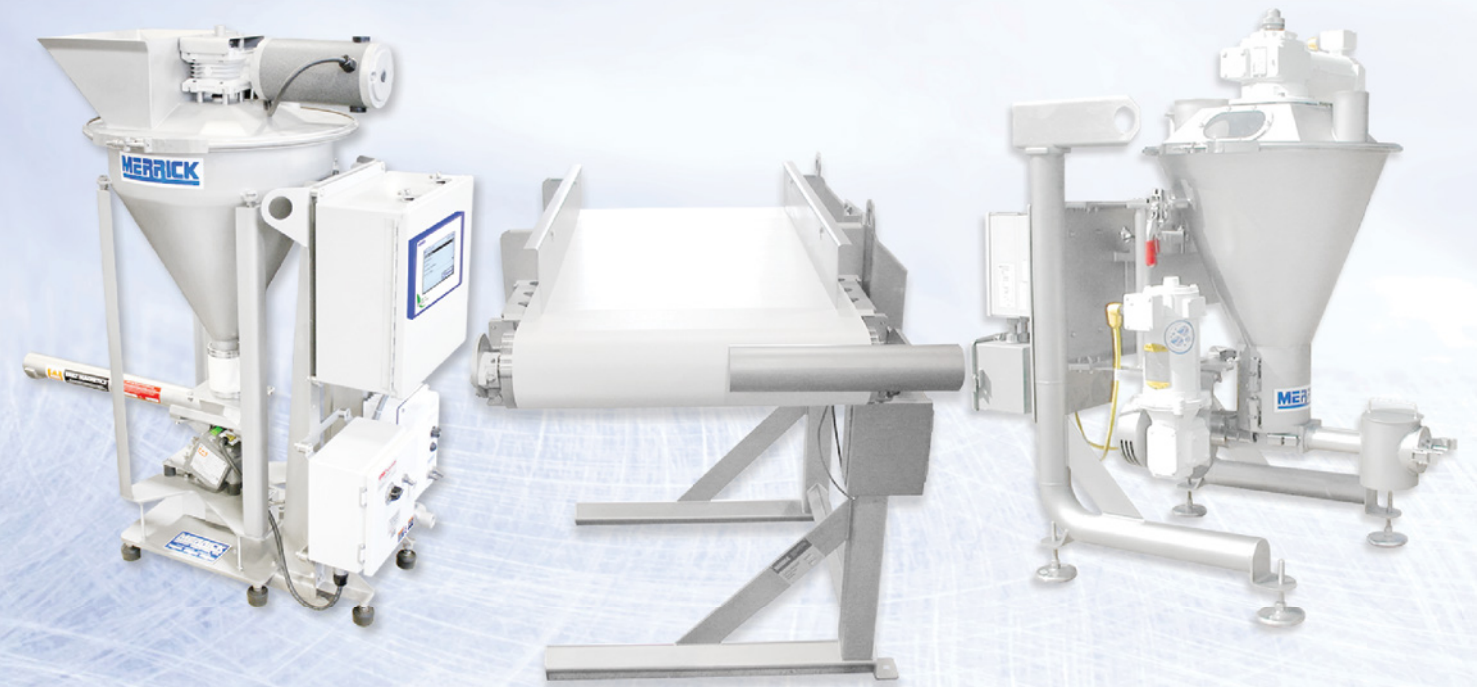- GMP Designs

FAMILY OF
MERRICK
COMPANIES

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DYNAMIC INNOVATIONS SINCE 1908
WEIGHING, FEEDING & CONTROLS

FOOD AND PET FOOD
INDUSTRIES

SANITARY, ACCURATE & RELIABLE
GRAVIMETRIC FEEDING SYSTEMS

MERRICK

MODEL 970 FAMILY OF WEIGH BELT FEEDERS

MERRICK Weigh Belt Feeder designs are based on more than 40 years of feedback from Food Industry Experts. MERRICK provides the highest available Feedrate Control and Weighing Accuracy to our Food Industry Customers. From the FDA-approved materials to the quality and finish of the sanitary welds on conveyors and enclosures, MERRICK Weigh Belt Feeders have no equal in the Food Industry.

FEATURES AND BENEFITS

- Specialized construction using Food Grade-approved materials and sanitary components

- Standard Model 970 has been certified for use in facilities requiring USDA/Dairy 3A standards

- Continuous welds for enclosures and conveyors with welds polished and ground flush

- Removable front and back Lexan access doors

- Designed to minimize contaminant and water trap areas

- Wash down construction including motor, speed sensor and load cell

- Standard 304 stainless steel construction with 316 and 316L available

The MERRICK Model 970N has the same functionality and feeding system as the Model 970. However, it has an open construction design eliminating the enclosure. This can provide easier access for cleaning, be more cost effective and allow for installation in more compact areas within your plant.

MODEL 970N OPEN WEIGH BELT FEEDERS

MODEL 570 LOSS-IN-WEIGHT FEEDERS

MERRICK Loss-In-Weight feeders are designed to meter bulk materials into a process at designated feed rates with gravimetric precision; or to deliver a set amount of weight into a batching process. The Model 570 is MERRICK's original modular Loss-In-Weight Feeder line. It's a full compliment of stainless steel feeders and comes with hopper sizes from 1.5 CF to 90 CF. The Model 570 has an accuracy better than ±0.25%. The Model 570 has been awarded USDA/Dairy 3A Certification.

ORBITAL LOSS-IN-WEIGHT SCREW FEEDERS

Orbital Loss-In-Weight Feeders were designed to be grouped together in a flexible blending system. Each Orbital Feeder has a Rapid Change Over (RCO) design that allows it to quickly adapt to many materials and process applications. Components such as augers, drives, scales, hoppers, etc. can easily be changed for flexibility in a blending system. The Orbital Feeder can also be used alone in a standard Loss-In-Weight process.

MODEL 530 VIBRATORY LOSS-IN-WEIGHT FEEDERS

The Model 530 Vibratory Feeder can deliver batching accuracy to better than ±0.1%. It's available in aluminum or stainless steel and utilizes a tray or tube which is vibrated to meter material from the hopper. High accuracy with low batch weights, continuous feed-rates, and a no moving parts feeder discharge make the Model 530 a perfect choice for many food materials and applications. The Model 530, depending on the material being metered, can be equipped with a flat, tubular or v-trough discharge.

ADD INTELLIGENCE TO A FOOD CONVEYOR

By adding a sanitary weigh module to a Food Conveyor, you will be better informed as to what is occurring in your process.

Monitor and Improve your material control with Data such as:
- Feedrate
- Belt Speed
- Process Alarms
- Belt Load
- Totalization

Includes Slider Bed Conveyors also

BATCHING VERSUS CONTINUOUS PROCESS

Most gravimetric feeding devices can be configured for both batching and continuous applications.

The typical differences are shown in the comparison chart:

	BATCHING	CONTINUOUS
MATERIAL FLOW	STARTS AND STOPS	ALWAYS FEEDING
SETPOINT	WEIGHT	FEEDRATE
CONTROL	FAST / FINE SPEED	PID ALGORITHM
ACCURACY	±0.10 %	±0.25 - 1.0 %