



STERLING[®]
SYSTEMS & CONTROLS, INC.
Automation ~ Batching ~ Process ~ Systems



Visit our Website



Letter From President/CEO

We thank our customers whom for over 50 years have entrusted us with delivering custom engineered solutions to meet their objectives and requirements, helping them increase sales and profitability through improvements in process performance and productivity. We are honored by the confidence placed in us, and we look forward to serving everyone that is visiting us for the first time as well.

From its inception, Sterling Systems & Controls, Inc. has been focused on engineering material weighing, ingredient batching, and process control/automation systems to help our customers. Without our customers we would have no business. And our people value our reputation for being the best at what we do. Our existing and new customers alike deserve nothing less.

We consider the trust our customers place in us as the foundation of our business strategy. It is this relationship that has led us to recently invest hundreds of thousands of dollars into expanding our facility, along with our systems for engineering, production, and sales to better serve you. Whether you are in agriculture, baking & food processing, feed milling, petfood manufacturing, cattle feed production, or other industrial processing industries, our infrastructure and organizational investments will benefit all our customers with improved responsiveness and product offerings.

Today's marketplaces are in a constant state of flux. As you navigate your market waters, we see Sterling Systems & Controls ability to remain flexible in providing you with custom engineered solutions to meet your specific objectives, and our increased responsiveness, as key for your company's success. We will be there when you need us.

Sincerely,

Ron

Ron Hegyesi
President, Sterling Systems & Controls, Inc.
CEO International Process Equipment Corporation (IPEC)



WHY STERLING SYSTEMS & CONTROLS?

Specializing in Process Controls/Automation, Batching and Material Weighing, Sterling Systems & Controls, Inc. uniquely provides fully custom engineered solutions to meet your objectives for process improvement, or for building new processes and facilities. **We support what we engineer and manufacture with 24/7 After-Sales Support that is second-to-none. No annual service contracts or upfront PO required for support service.** We provide the technology and process experience to increase your process efficiency and profits, and to adapt to any process changes.

50
YEARS

With more than Fifty (50) years of experience and a unique industrial applications knowledge base, Sterling Systems & Controls custom engineered and manufactured state-of-the-art equipment and systems utilize the latest technology and/or components in data management, as well as raw material and production data tracking, automation and much more.

Sterling Systems & Controls dedicated engineering staff are not contract engineers, they are a high-quality engineering team (electrical, mechanical and software/controls) that stay with you from sale to after start-up, and work to know you and your process. If technical after start-up support is ever needed, it is an engineer familiar with you and your system that will provide it. Sterling Systems engineering staff design complete automated process systems for a wide range of industrial and agricultural industries. These process systems include material weighing, ingredient batching, process controls and plant automation, bulk bag handling, liquid handling, unique software application solutions, and oftentimes up/downstream equipment such as mixers, grinders, conveyors, post batch material handling systems and much more.

Sterling Systems is a recognized Allen Bradley Systems Integrator and a UL control panel builder for USA and Canada installations. Engineering capabilities include electrical, software, mechanical, assembly and testing of the systems, customer attended Factory Acceptance testing, onsite start-up assistance, and training. Each step of a project is managed by a senior project manager with more than 20 years of experience. Onsite startup and support as well as remote support are available 24/7. Sterling Systems & Controls provides the best single-source solutions to meet your process objectives.





STERLING SYSTEMS & CONTROLS WILL:

ANALYZE:

We interview your staff to determine the objectives and requirements of your project.

DEVELOP:

With our application and technology experience we develop a custom solution to meet your goals and requirements for making your process more efficient.

DELIVER RESULTS:

You profit from our 50 plus years of technology and application experience, as well as industrial process equipment, data management, and automation.

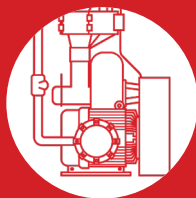
BROWSE OUR PRODUCTS



Batching and Weighing



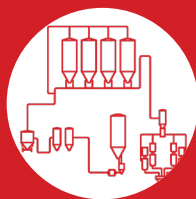
Controls and Automation



Bearing Condition



Bulk Bag Handling



Complete Systems



Liquid Handling



Software Apps

INDUSTRY FOCUS

Our application knowledge and technology expertise is focused into several industrial and agricultural based markets including:

- Feed Milling
- Cattle Feed Production and Pre-Blending
- Pet Food Manufacturing
- Baking and Food Processing
- Rubber Compounding
- Chemical Processing
- Mineral Processing
- Other Industrial and Agricultural Markets

SPARE PARTS & SERVICE

Consult with our experienced and capable technical sales engineers, engineering staff and parts specialists for spare parts, and technical service requirements. We support what we engineer and manufacture with 24/7 After-Sales Support that is second-to-none. No annual service contracts or upfront PO required for support service.



BATCHING AND WEIGHING

Ingredient Batching and Weighing Systems are a core competency of Sterling Systems & Controls. For more than fifty (50) years we have been custom engineering and manufacturing batching and material weighing systems for a range of industrial and agricultural applications. We know how to use your ingredient and recipe/formula data, and goals for your system capacity, to design intricate details of ingredient batching systems, whether it be feeder type and sizing, bin layouts/sizes, incorporating bulk bag/totes, and achieving your accuracy and rate goals with the proper scales, our 50 plus years of expertise delivers the tools and results you need.

Our weighing and batching process experience includes Feed Milling, Cattle Feed Production and Pre-Blending, Pet Food Manufacturing, Baking and Food Processing, Rubber Compounding, and many others. When incorporating material weighing in your ingredient batching systems, Sterling Systems & Controls will custom engineer your system with the most efficient number and type of scales based on ingredient material weighments, batch rate, and ingredient storage requirements including bins, tanks, totes, and bulk bags, as well as your available space and conveying needs to downstream equipment. Our decades of expertise in the design and manufacture of material weighing and ingredient batching systems are focused to ensure that your objectives and requirements for process improvement and efficient new facility design and build are achieved.

PRIMARY FEATURES

Fifty (50) Years Experience in Batching/Weighing.

Quality Components.

Multiple Bin Types/Sizes.

Multiple Scales.

FAT (Factory Acceptance Testing).

BENEFITS

Results Oriented Custom Solutions Meet Your Objectives.

System Reliability.

Material Delivery Flexibility (small bags, bulk bags, totes, etc.).

Ingredient Batching High Rate / Accuracy.

Ensures Results Match Your Objectives.

Sterling Systems & Controls has many core competencies, including Controls and Automation for a wide range of process applications. Gifted for data management and custom engineering process controls and automation, we can deliver application modules and complete systems for controlling and automating a wide range of industrial and agricultural applications. Our process control and automation systems are engineered for your specific objectives and equipment, such as mixers, grinders, other milling equipment, ingredient batching and weighing systems, inventory management and a wide range of other process equipment. Our unique Data Management expertise enhances the capabilities of our controls in formulation/recipe creation and management, material lot tracking and batch validation, inventory management, production records, ERP interface, and event/alarm handling. And our control systems can easily adapt to your process changing requirements, without starting over from scratch.

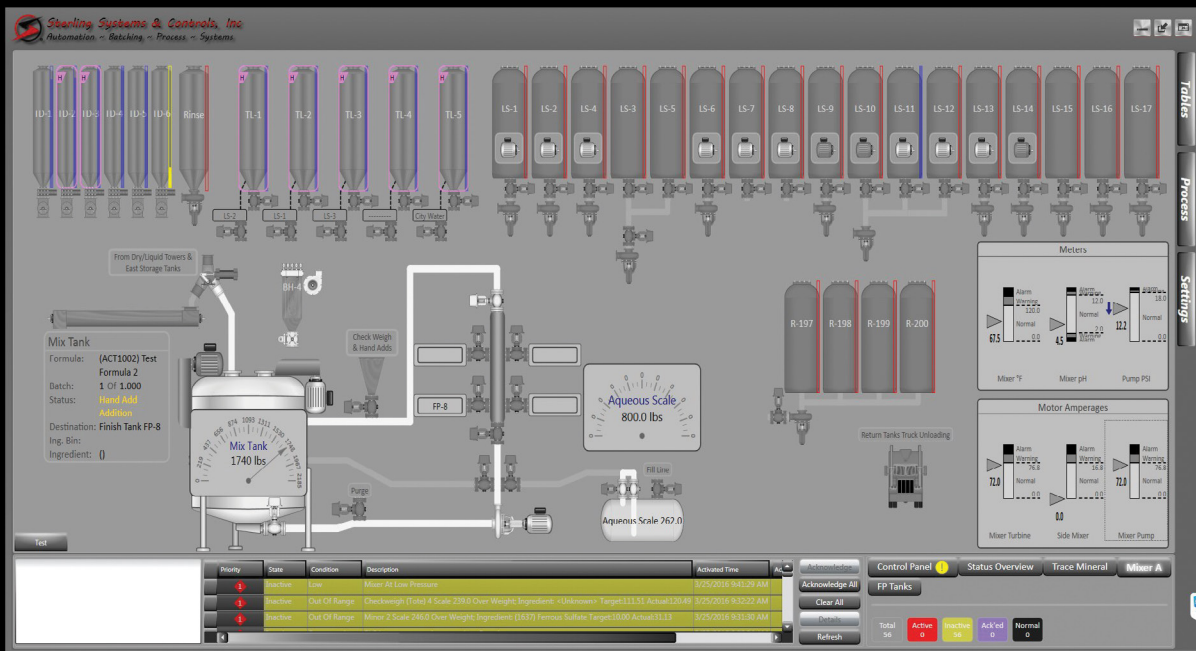
Working with your on-site champion for the control system/automation, we custom engineer HMI and PC based systems, including a variety of applications such as ingredient batching, material receiving, inventory control, particle sizing, pelleting, mixing and other process functions. Our process expertise includes Feed Milling, Cattle Feed Production and Pre-Blending, Pet Food Manufacturing, Baking and Food Processing, Rubber Compounding, and more industrial applications. Skillsets include Data Management, Process Monitoring and Improvement, Intuitive Systems, Factory/Onsite Training for Personnel, Electrical Panels/MCC's, HMI/PC-Based Controls/Automation, Allen-Bradley Integrator, Easy and Efficient Modifications for Process Changes, Existing System Replacement/Upgrades, Complete Control/Automation, ERP/Other Software Integration, and Specialty Application Development.

PRIMARY FEATURES

- Unique Data Management Expertise.
- Easily Adapts to Process Changes Quicker.
- Recognized Allen-Bradley Systems Integrator.
- UL Control Panel Manufacturer.
- Electrical, Controls, Mechanical and Software Engineering Staff – No Contract Engineers!
- Project Engineering Managers with 20+ Years Experience.
- HMI and PC-Based .NET Controls/Automation Systems.

BENEFITS

- Exemplary Results to Meet Your Objectives.
- Efficient Future Modifications.
- High Reliability of Design.
- Optimal Quality Manufacturing.
- Team Members are Committed to Your Success.
- Knowledgeable Management and Execution of Your Custom Engineered Projects.
- Stable State-Of-The-Art Software Systems.



BEARING CONDITION MONITOR

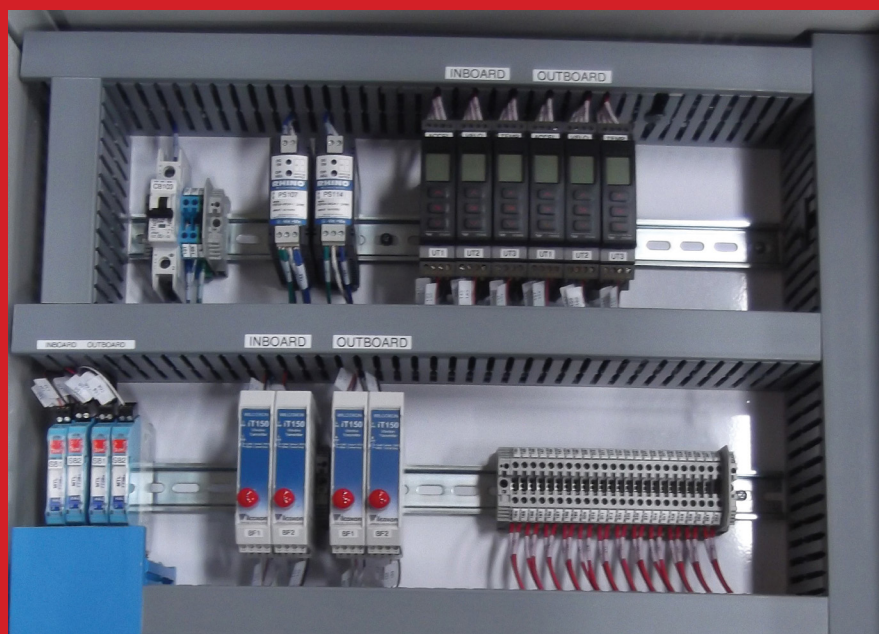
The particle size reduction process utilizes equipment known as grinders and classifiers, along with other types of milling machines. These milling machines reduce the particle size of dry solids, such as grain and other granular materials, to a size required for further processing. These devices are rotating machinery and use bearings for proper and efficient operation. Therefore, a bearing condition monitor is advantageous to detect premature wear and failure of the machine. Sterling Systems & Controls, Inc. designs and manufactures condition monitoring systems of the highest quality for use with high-speed mills or classifiers. Various standard and optional features are available, including a choice of intrinsically safe bearing sensors for hazardous areas. Intrinsically safe sensors are intended for use in Class I, II and III hazardous areas.

PRIMARY FEATURES

- Monitor Rotary Equipment Vibration and Bearing Temp.
- Standalone or Integrated Designs.
- Intrinsically-Safe or General-Purpose Designs.
- Multiple Outputs / Voltages Available.

BENEFITS

- Alert/Alarm Prior to Shutdown and Eliminate Equipment Damage and System Failure.
- Record and Collect Data Trends for Analysis.
- Fits Your Electrical Classification Area.
- Designed for Your Specific Installation.





Bulk bag handling systems emphasize Sterling Systems strength in mechanical engineering and design. This includes the ability to custom engineer and manufacture bulk bag packaging or filling machines, and bulk bag dischargers or unloaders. Bulk bags are a very common type of packaging for dry bulk materials in a range of industries. Bulk bags, a.k.a. FIBC's (flexible intermediate bulk containers), super-sacks, etc., come in a variety of sizes and methods of filling, emptying, and hanging. Bulk bag handling, filling, and discharging can be incorporated within ingredient batching and weighing systems or be supplied as standalone process systems.

Bulk Bag Filling Systems: Custom designed to fill and package your dry material into the bulk bags you utilize, fitting your exact process requirements and meeting your specific objectives.

Bulk Bag Unloading Systems: Bulk bag unloading solutions are provided for unloading/discharging your bulk bags of dry bulk solid materials. Batch weighing can be added along with batching controls. Bulk bag unloading systems can include mechanical or pneumatic conveying, magnets for tramp metal removal, dust containment/collection, bag massagers and other features as needed to meet your specific objectives.

PRIMARY FEATURES

Bag Unloading and Filling Systems.
 Standalone or Integrated into Batching Systems.
 Incorporate Weighing, Feeding, Bag Handling Devices,
 Accumulators (Filling), Valves, Bins, Controls.
 FIBC Bulk Bags or Plastic Totes, Metal Bins.

BENEFITS

One Source for Bulk Bag Handling.
 Flexible Ingredient Supply Sourcing.
 Custom Engineered to Meet Your Objectives.
 Focused on Your Specific Requirements.



COMPLETE SYSTEMS

Sterling Systems & Controls is capable of custom engineering complete systems for you. This ranges from individual process equipment systems to total plantwide automation systems. This can take place in a wide variety of industries, including Feed Milling, Cattle Feed Production and Pre-Blending, Pet Food Manufacturing, Baking and Food Processing, Rubber Compounding and many more. A process system usually includes both process equipment, such as a grinder, screener, mixer, conveyor, the electrical and process controls for the equipment, as well as the automation system to control the process components and overall system.

Why struggle with sizing air movers, filter receivers, piping, separation magnets, and other process equipment while dealing with multiple suppliers when you can get it all from one source? Sterling Systems integration of process controls with process equipment is second to none in the industry. Each project is led by one of our senior project engineering managers with more than 20 years of experience at Sterling Systems, and is backed by the necessary electrical, software and mechanical engineering personnel required to get your project completed and meet your objectives. No contract engineers, just Sterling Systems employees.

We can bundle your milling, grinding, sifting, metal separation and other process equipment into complete process systems with controls and automation. Our skilled engineers have in-depth knowledge of the equipment required to properly operate your process from raw material feeding to final product destination. In addition to our sister companies Prater Industries and Industrial Magnetics, we have strategic partnerships with industry leading equipment manufacturers to provide you with complete process systems design and integration.

PRIMARY FEATURES

Fifty (50) Years Experience.

Project Engineering Teams with Multiple Disciplines.

Familial Relationships and Alliances for Equipment.

Combine Our Controls/Automation and Weighing/Batching with Sourced Equipment.

BENEFITS

Results Oriented Solutions Custom Engineered to Meet Your Objectives.

Ensures Quality Process Equipment Sourcing.

Reliable Source for Equipment and Controls/Automation.

Single Point of Contact and Responsibility.



LIQUID HANDLING

Sterling Systems & Controls, Inc. custom designs and manufactures the highest quality liquid handling and dosing systems, i.e., tote and dispensing systems. Not all liquid dispensing systems feature tote containers. Drums and barrels are also used. The liquid handling tote and dispensing systems are used in a wide range of industrial and agricultural applications.

Some liquid handling systems, known as “Mother Tote” systems, liquid tote ingredient systems, will discharge fluid from a portable or removable tote into a stationary tote that acts as a liquid surge tank. The same type of arrangement also exists in liquid dispensing systems using removable barrels or drums. Each project is led by one of our senior project engineering managers with more than 20 years of experience at Sterling Systems, and is backed by the necessary electrical, software, controls, and mechanical engineering personnel required to get your project completed and meet your objectives

Dispensing can be done by weight or volume, as required by the process. Sterling Systems & Controls can also provide process control and automation for the liquid tote and dispensing systems. Using Allen-Bradley PLCs and HMIs, or desktop PCs with touchscreen displays running Sterling Systems’ customized Windows-based Automation Software, no two systems are alike. You get what you need and what you want.

PRIMARY FEATURES

Dispense Systems from Various Containers.

Mother Totes.

Pumps, Meters and Controls Available.

Meter or Weigh.

BENEFITS

Flexible Custom System Design
Meets Your Needs.

Works with Standard Portable Totes.

Standalone or Custom System Meets
Your Objectives.

Reliable and Accurate Designs.

SOFTWARE APPS

Data management and the ability to custom engineer Software is a core competence interwoven within all control and automation capabilities that Sterling Systems & Controls has. We stay current with various software tools and capabilities. We are a recognized Allen-Bradley systems integrator and routinely use .NET for our PC based systems, including our batching and other process control systems. We are a UL Listed control panel manufacturer for Canada and the USA. Our Data Management expertise using SQL Server is utilized in: Formulation/Recipe Creation/Management, Inventory Usage and Tracking, Material Lot Tracking and Batch Validation, Production/Data Record Management, ERP System Interface, and Event/Alarm Handling.

Software application examples offered include:

- Supervisory Control (WebCentral™)
- Preventative Maintenance Planning (PMPlanR™)
- Data Management (SandTrack™)
- Automation Software Upgrade (FreshStart™)

PRIMARY FEATURES

Decades of Experience in Data Management and Software Engineering.

Standalone or Integrated.

Supervisory Control.

Preventative Maintenance Planning.

BENEFITS

Custom Software and Standard Applications.

System Flexibility to Meet Your Requirements.

Browser Based Allows for Remote Operation.

Comprehensive Maintenance System for Facilities.

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Area Name: R5 Condensers

Asset Name	Part Number	Mfg PN	Description
5030.0 Heavy Oil Cond Temp	Generic		Generic Part
5065.0 PreCond Temp	Generic		Generic Part
5085.0 Cond 1 + 2 Temp	Generic		Generic Part
5810.0 PostCond Temp	Generic		Generic Part
5805.0 PostCond Pressure	Generic		Generic Part
5800.0 PreChiller Pressure	Generic		Generic Part
5075.0 PreCond Valve	Generic		Generic Part
5145.0 Vacuum Valve 1	Generic		Generic Part
5150.0 Vacuum Valve 2	Generic		Generic Part

Navigation sidebar (left): TTRC, Chiller, Flare Stack, Gas Compressors, Produced Gas Tanks, Propane Tanks, R4 Condensers, **R5 Condensers**, R6 Condensers, Reactor 4, Reactor 5, Reactor 6, Console Panel, Reactor, Reactor Cooling, Tank Farm.

Right sidebar: Data Tables, System Sign In, Plant Builder, Part Vendors, Service Tags, Add Plant, Delete Plant, Add Area, Delete Area, Add Machine, Delete Machine, Add Asset, Delete Asset, Copy, Paste, Refresh, Print, Print Preview.



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