



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

Press Release

Hybrid Material Weighing and Batching System

For Immediate Release, Sterling, IL: Sterling Systems & Controls, Inc. is pleased to announce the availability of customized ingredient hybrid weighing and batching systems with Micro, Minor and Bulk weighments, processing both dry and liquid ingredients. Each automatic Accu-Portion™ Micro and Bulk Batching System is custom designed and manufactured to meet the specific needs and requirements of the customer. The Bulk supply can be with Bulk Tank, Tote or FIBC Bulk Bag.



These systems typically include supply bins, feeders, work platforms, automatic or manual bin refilling, liquid tank/pump skid equipment and the dry and liquid dosing automatic control system. Optional equipment may include raw material bag lift handling equipment, dust collection/control for high dust dry materials, batch material conveying equipment (such as mechanical drag conveyor), lot tracking and traceability, barcode scanning, and RFID scanning. Other customized options can also be included.

Combining Micro weighments (up to around 50lbs), Minor weighments (50lbs up to 150lbs) and Bulk weighments (> 150lbs) these hybrid systems can provide high accuracy (to within 0.001lbs or 0.5g being possible), depending on applications, and liquid dosing using high accuracy Coriolis flow metering devices and pumping systems.

Sterling Systems & Controls offers a variety of feeding devices for use in the micro ingredient dry material weighing systems. Typically screw/auger and vibratory type feeders are used. The type used is based upon what the best solution will be for the specific application, including system weighing accuracy required. The scale devices used in the micro ingredient material weighing systems can be of a variety of designs, including hoppers, platforms, conveyors, etc. The scale type chosen depends on application requirements, e.g. scale resolution, accuracy and batch rate. Transfer of the completed batches to downstream processing, such as a mixer, blender or other process equipment, can be done manually or automatically.

Sterling Systems & Controls, Inc. has 50 years of experience providing efficient solutions for micro ingredient batching, process equipment, material weighing of all kinds, bag unloading systems, bulk bag filling stations, as well as plant automation. Sterling Systems uses the latest technology to provide specialized data management, raw material management, along with production data tracking. For more information contact Sterling Systems & Controls at 1-815-625-0852 sci@sterlingcontrols.com, and at www.sterlingcontrols.com.