



Product News

Sterling Systems & Controls: customized automatic Material Weighing Systems

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Other customized options that can be included are -

among others - raw material bag handling equipment, dust collection/control, batched material conveying equipment (pneumatic and mechanical) or transport totes, lot tracking and traceability, barcode scanning, and RFID scanning. Micro weighing systems are those which have scale weighments up to around 50 lbs (23 kg). Larger weighments are known as Minor (50 lbs up to 100 - 150 lbs) and Major (> 150 lbs). Often a combination of micro, minor and major weighments are included in a customized material weighing system. Sterling Systems & Controls offers a variety of feeding devices for use in the micro 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. The scale devices used in the 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 automatic micro material weighing systems are modular in design, allowing for expansion of the systems as requirements change over time. Systems typically range from 6 to 48 storage/supply bins, with the average being 24 micro ingredient supply bins. It is not unusual to update systems with additional bins after initial system installation. Electrical controls and automation for the material weighing systems can be provided. Sterling Systems & Controls custom designs each process control and automation system using standard state-of-the-art electrical and automation components, along with our decades of programming, process control and automation experience.