



# DECLINING WEIGHT

## *High Accuracy Continuous Blending*



### **A Step Above**

The Sackett-Waconia Declining Weight Blend System is a revolutionary development in continuous blend systems. What separates Sackett-Waconia's DW from the others is its utilization of a proven, dependable mechanical design, unmatched sampling rates, electronic calibration (no test weights required) and advanced automation to give the customer unprecedented speed, flexibility, dependability and accuracy.

### **Durability**

The Sackett-Waconia Declining Weight system features stainless steel hopper construction with extra width and holding capacity. Each hopper rests on stainless steel load cells and is supported by stainless steel framing. Dosing of each material is done via a stainless mesh chain feeder, providing accurate, even dosing, adjustable flow gates and a very large feed opening to minimize flow issues. Mesh chain dosing technology was developed by Sackett-Waconia and has proven its reliability during its 10 years of operation in the US and around the world.

### **Durability**

The accuracy of the Sackett-Waconia DW system is unmatched due to the proprietary load cells, controllers and high sampling rates. Flexibility is achieved with adjustable gates giving each hopper a wide range of output without making any mechanical changes. Calibration is achieved by pushing a few buttons, not having scale companies spend hours or days on site with test weights. An Alan Bradley PLC is utilized to provide the user the best possible reliability and support.

To achieve best-in-class blend quality, the Sackett-Waconia DW control system is based on its proprietary Triple Loop Control where individual rates, blend ratio and final material quantities are all constantly monitored and adjusted.

*If you're looking for a system that gives you the best in speed, accuracy, flexibility, and dependability, please contact Sackett-Waconia and ask about our Declining Weight Blend System.*



# Declining Weight Blending

## Major Hoppers

Standard major hoppers are available from 5 tons to 20 tons and with single or dual feeders. All hoppers include all stainless construction and stainless load cells. Advanced coating systems can be applied to any single hopper, or to multiple hoppers

The mesh chain feeder, standard on major hoppers, provides smooth, uniform flow that is gentle on the granules while allowing for a deep material bed. One motor per hopper - no multiple drives to maintain. Adjustable gates for flexibility are included as a standard. Direct coupled drives on the mesh chain feeders keep maintenance to a minimum.



Major Hoppers



Mesh Chain Feeder



Sealed Load Cells



DW System



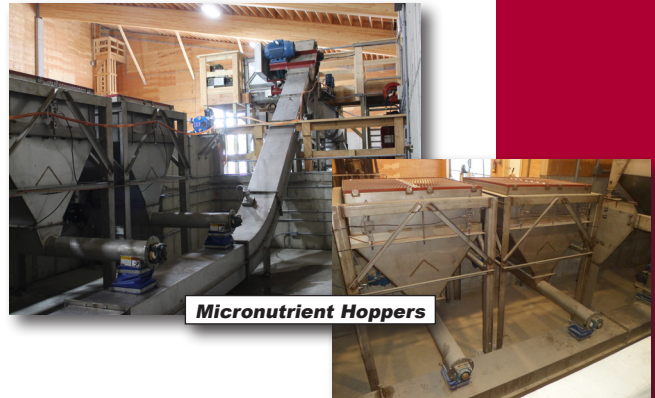
Coating & Impregnation



## Micro Hoppers

Micro hoppers hold 1.5 tons apiece, based on a 60 PCF material. All are mounted on stainless load cells with VFD drives.

Trace element hoppers on load cells are also available. These are available for granular or powder materials or seed.

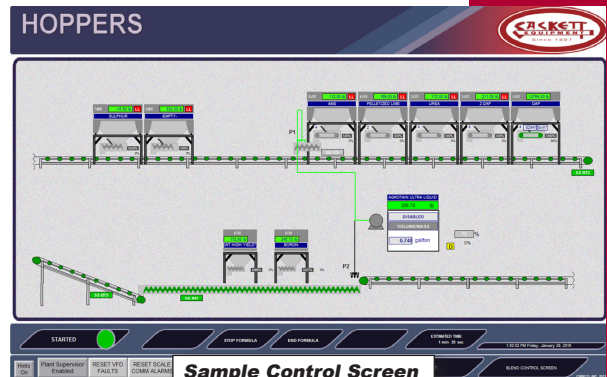


Micronutrient Hoppers

## Sample Control Screen

Formulas are entered easily into the system, either manually or through integration of industry formulation software. The operator can see what materials are in each hopper, the amount in each hopper, including micros, and alarms indicating insufficient material in a hopper.

The DW system can be controlled from the main operator station or by remote tablet in the pay loader.



Sample Control Screen

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