



AccuBlend™

Precision Horizontal Blending Systems



25 Years in the Making

AccuBlend™ systems are a technological leap forward for floor-based blending systems. Its mix of automation, a precision batch blender, and Sackett-Waconia's computer controlled declining weight dosing make an the ideal solution for those in need of a horizontal system and precise blending.

The Benefits

Innovative Technology: What separates AccuBlend™ from other horizontal blending systems.

- Advanced, intuitive software
- Precision batch blenders
- NTEP ingredient weighing
- Optional built-in material conditioner
- Effective handling of liquid and powder additives
- No need for Scaled Truck Hoppers
- Typical capacities from 80-150tph, with options for 200tph

Configurations

The AccuBlend™ System is designed to be flexible and work in multiple configurations and with either the HIM 2.0 precision blender or a Sackett-Waconia Orbital blender. The modular nature of the system means it can be expanded, and it can be arranged with belt or chain conveyor depending on your needs. AccuBlend™ is ideal for specialty applications and can be used for both bulk loadout and bagging applications.

AccuBlend™ and the 4R's

Sackett-Waconia is a proud 4R Nutrient Stewardship partner, and the 4R philosophy is the cornerstone of the AccuBlend™ system. Getting the Right Source, at the Right Rate, at the Right Time, to the Right Place begins with accurate blending. AccuBlend™ gives you an even distribution of nutrients within fertilizers and ensures that your product is ready for the right place and time.

Safety

Like all Sackett-Waconia products, safety is a primary design feature. Sackett-Waconia equipment meets or exceeds all OSHA standards, and we will meet any site specific requirements.



RIGHT SOURCE
Matches fertilizer type to crop needs.



RIGHT RATE
Matches amount of fertilizer to crop needs.



RIGHT TIME
Makes nutrients available when crops need them.



RIGHT PLACE
Keeps nutrients where crops can use them.



Orbital Blender



HIM 2.0 Precision Blender



AccuBlend™

Key Benefits of Batch Blending vs Continuous (Layering)

Batch blending systems out-perform continuous systems because they do not need to layer ingredients. AccuBlend™ systems dose ingredients one at a time and transfer them at high speeds into a precision blender. This method of dosing allows hoppers to empty at full speed, allowing longer windows to be reloaded between discharges.

This one-at-time style of dosing also means that there is no proportioning required, like in continuous layering systems. Proportioning requires the automation package to estimate rates, run, and adjust on the fly to reach balanced layering. This results in reduced blend quality of the beginning and end of each batch. The AccuBlend™ batch style system will produce full and partial sized batches with the same precision blend quality.

And finally, batch systems allow variability on blend cycle times. Continuous systems cannot be paused or even slowed down, but AccuBlend™ provides the full flexibility to customize blend times for specific needs and products.

The AccuBlend™ is endlessly flexible when it comes to the type of blends it can create, regardless of how complex they are.

NTEP Dosing

One key to precision blends is precise weighing. The AccuBlend™ weighs each ingredient, individually, in NTEP certified weigh hoppers, eliminating the need for scaled loadout hoppers and ensuring the end product is within 0.1% accuracy of the formula.

Major hoppers (5 tons and above) dose via fast acting, multi-position, salem valves and Micro Hoppers (2 tons and below) utilize screw feeders. The system's PLC based control system, in combination with stainless steel load cells, self-adjusts to the dosing devices over time, becoming even more accurate as you use the system.

Automation

While automation is nothing new to our industry, Sackett-Waconia and our partners have developed an automation package that is easy to use, intuitive, and multi-lingual. AccuBlend's automation can also tie into ERP and Ag Software for accounting and management. Once an operator sets a formula, they can step back and watch as this highly reliable technology does the rest.

Additives and Coatings

AccuBlend™ is designed to handle all sorts for additives and coatings, in liquid or powder form, depending on need. Sackett-Waconia's Liquid Dosing and Powder Feeders tie directly into the automation for a seamless user experience with precise control.



Liquid Dosing



Powder Feeders

Precision Fertilizer Blending®

AccuBlend™ is a member of the PFB Family of systems.



Sackett-Waconia

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