



# POWDER FEEDER

## Accurate Dosing for Powders



Load Cells

### **Designed Specifically for Powders**

The Sackett-Waconia powder feeder is designed to dose powdered additives into batch or continuous blending systems. With several feed options available, it can handle all types of powdered additives, such as WolfTrax micronutrients.

### **Systems**

Sackett-Waconia offers complete feeder systems with various configurations to meet your needs. They can be automated to act as a retrofit to existing systems, easily incorporated into new systems such as Sackett-Waconia's Declining Weight system, or act as a standalone feeder.

### **Easy to Use**

The feeder is designed so that it can handle nearly any product, whether it comes in barrels, boxes, or bags. We focus on dosing and conveying, to ensure your blend is as accurate as possible. The Feeder also includes a second outlet and reversing screw that allows you to purge the unit without wasting product, or turning on downstream equipment.

### **Built to Last**

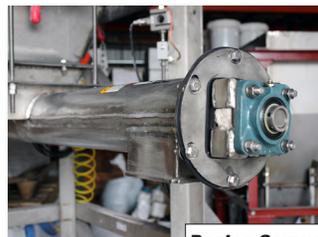
Sturdy, all stainless steel, construction ensures a long service life. Support structures can be customized to fit your needs, and can include casters for easy maneuvering.

### **Accuracy & Flexibility**

The Feeder supports the full range of powdered micronutrients and target dosing rates. With the use of a VFD, the feeder can handle all product minimum and maximum rates without slowing the blend cycle (with the exception of copper below 0.01%, due to its small volume). Each feeder is individually scaled and features a 4-point tension load cell system. Dosing is achieved by a 4" screw, and soft connections are provided as necessary.



Slide gate Assembly



Dosing Screw



Direct Drive



Pneumatic Vibrators

# Compatibility

## **System Tie-In**

The Sackett-Waconia Powder Feeder is designed to handle a wide range of powdered materials and to be compatible with a large array of systems. The feeder can be retrofit to an existing system, tied into a new one (such as Sackett-Waconia's Declining Weight System), or used in a stand-alone configuration.

## **Take-away Conveyors**

With all of the weighing and dosing done by the feeder, it's simply a matter of connecting it to downstream equipment. The feeder requires a soft connection, but otherwise is compatible with nearly any systems in use by the Fertilizer Industry today.

Along with systems that are configured horizontally, our feeder can also be used with tower blending systems. See below for an example of use with an aeromechanical system, in the Dominican Republic.

## **Aeromechanical Conveyors**

In use for several years at this location, these conveyors offer the ability to keep your additives close to the ground for easy handling, but give vertical lift without losing material in the transfer. This is an important feature for materials that need to be dosed in small quantities.

Multiple feeders can simultaneously dose into the aeromechanical conveyor, for transfer into the mixer.

The conveyors take up little space, making them easily adaptable to areas with little room or existing systems.



## **Sackett-Waconia**

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