



HIM 2.0 PRECISION BLENDER

Making Precise Crop Nutrition Possible



The Next Generation

With 20 years of fertilizer service and continued engineering development, the HIM 2.0 is the ultimate tool for Precision Fertilizer Blending. Featuring Industry leading gentle and efficient batch mixing and coating, the HIM 2.0 is designed to support the 4R's, with short mix times and precise blends.

Mix Quality

The HIM 2.0 features a unique shell design with twin rotors that provide the unmatched quality and consistency required to meet the standards of Precision Agriculture.

Speed

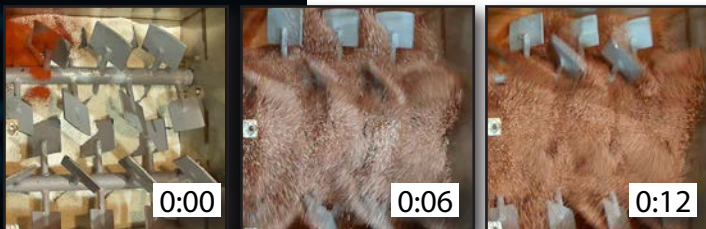
Gravity loading from overhead weigh hoppers is extremely fast. Mix times are 30 seconds or less, with nearly instantaneous discharge via the twin "bomb-bay" doors, which completely empty the mixer.

Reliability

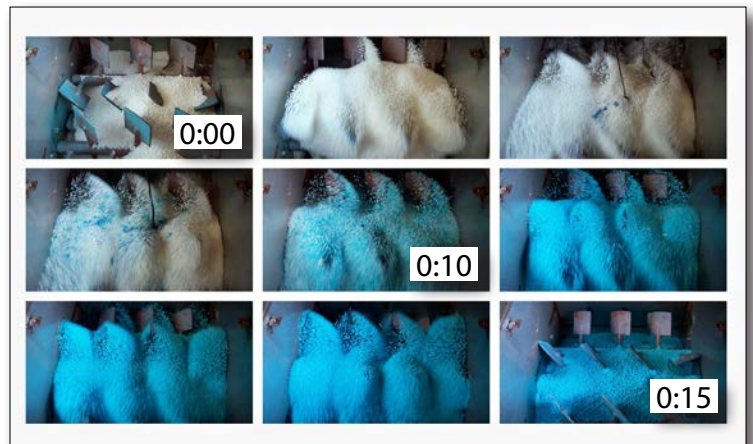
Using heavy stainless steel plate body with all stainless steel guarding and brackets, low rotor speed, meshing spur gears to drive the rotors, and oversize bearings with compression seals, sets the standard for dependability.

Coating & Impregnation

The time lapse photos below show the coating of urea with a liquid nitrogen stabilizer. The entire process took less than 20 seconds.



The HIM 2.0's unique mixing action ensures a homogenous blend of all types of materials from granular to powders



HIM 2.0

Unique Design - Unparalleled Performance

The Science Behind the Precision

The unique synchronized overlapping paddle design eliminates “Dead Zones” inside the body of the mixer and keeps all particles in motion during the process. This design is increasingly important with new fertilizers such as polymer coated products and micronutrients that are sensitive to degradation. The HIM 2.0 allows for lower rates of liquids to be used, by maximizing how many particles contact each other. All this is accomplished in a gentle motion that greatly reduces the risk of damaging a particle or coating.



Instantaneous Discharge

The HIM 2.0 uses “bomb-bay” style doors to discharge a batch as quickly as possible, effectively preventing your blend from segregating. They Feature:

- A center pivot point for positive secure seal during operation
- Fewer moving parts with new linkage design
- No locking mechanisms required

The Importance of Precision Blends

The 4R's are strong supporters of Precision Agriculture. The HIM 2.0 plays a key role by ensuring precise control of nutrients, assisting in Nutrient Use Efficiency (NUE) and minimizing environmental impact.

Applications

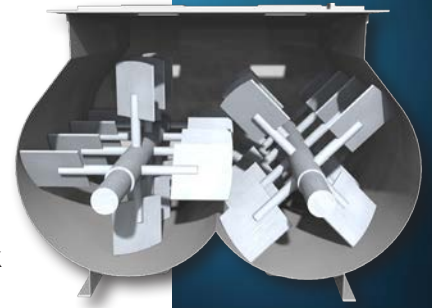
The HIM 2.0 is a flexible batch mixer that can be used in both vertical or horizontal systems. It's used in applications ranging from R&D and water soluble fertilizer blending systems to Blending Towers. Precision blending systems are available in capacities up to 300 tph.



Water Soluble Fertilizer Blending Systems



AccuBlend Systems



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.



PFB Tower Blending

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