



The Batching Experts

**BATCHING EQUIPMENT
FOR PROFESSIONALS
BY PROFESSIONALS**

**BOOTH
A2733**

Micro Ingredient Dosing

KSE

Looking for GREAT precision in SMALL component dosing and weighing?

Recognize these common requirements for micro ingredient dosing in your animal feed or your pet food production?

1. Precision and Accuracy in Dosing

Achieving precise measurements of micro-ingredients, which are often added in minute amounts, can be challenging. Small errors can lead to nutrient imbalances, negatively impacting animal health or even cause toxicity. Advanced dosing systems with high precision are required to consistently maintain the exact dosage levels.

2. Wide dosing range

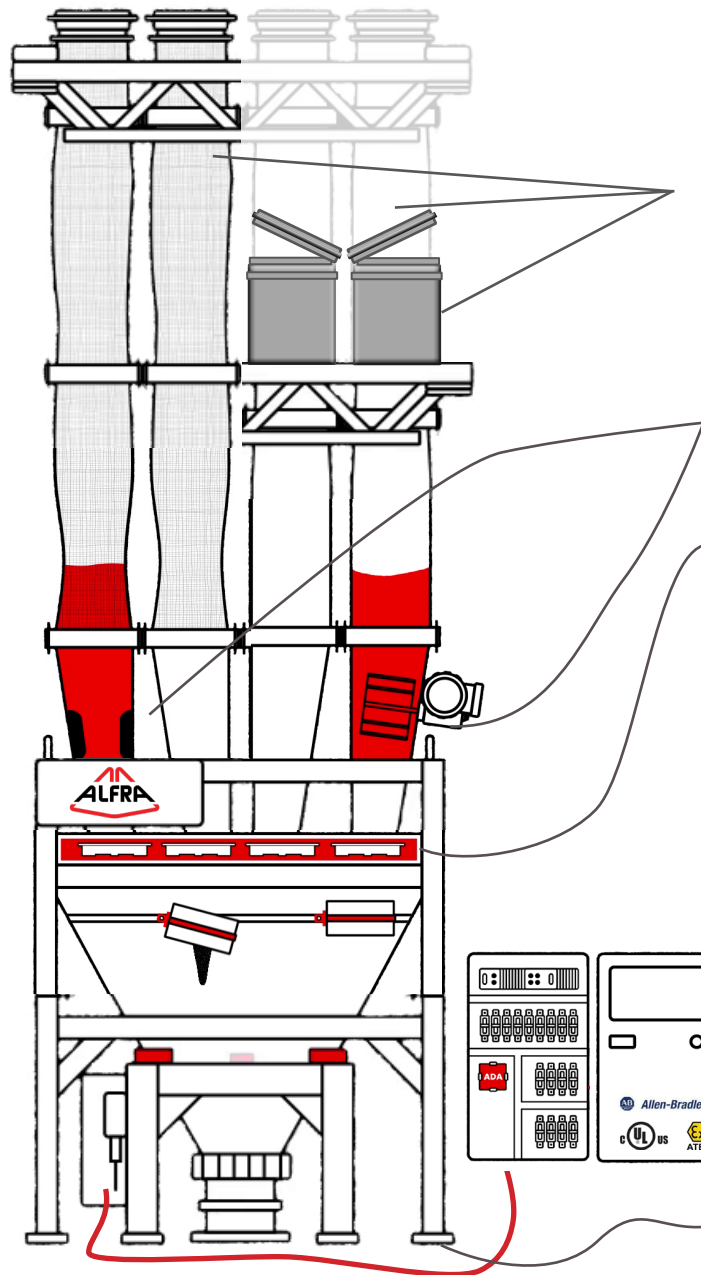
Many feed additives and vitamins are required to be dosed in wide ranges to perfectly seem with the nutritional requirements of the recipes. Often, these ranges are wider than most equipment is capable of automating. With the weigher-in-weigher system, a new range of possibilities is offered to limit hand tipping in the plant. Furthermore, it offers nutritionists more options without influencing the efficiency of your production plant.

3. Ingredient Degradation

Some micro-ingredients are susceptible to degradation when exposed to air, moisture, heat or light, particularly vitamins and enzymes. This requires specialized handling, storage, but above all a dosing system for gentle handling of the powders to preserve ingredient efficiency throughout the production process.

4. Traceability and Compliance

Regulatory requirements mandate traceability of micro-ingredients to ensure safety and compliance. Tracking each micro-ingredient from supplier to final product is complex and requires careful record-keeping, reliable inventory management, and integration with automated dosing systems to ensure accurate traceability.



Precision and Accuracy in Dosing

KCD-WiW	Nano-scale range	Micro hopper - scale range
Imperial	0.002 @ 0.05 - 11 lbs	0.0125 @ 11-220 lbs
Metric	1 g @ 20 g - 5 kg	5 g @ 5 kg - 100 kg

Ingredient storage capacity

Flex silos

Stainless steel silos

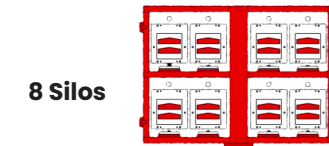
optional:

Stainless steel bins with hinged lids

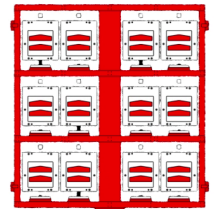
Wide dosing range and gentle ingredient handling

Stirring device or air-bellows

activating difficult flowing powders

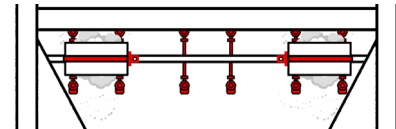


8 Silos



12 Silos

Keep it accurate and clean with automatic
Clean in Place (CiP)



Traceability and Compliance

Integration (3 options)

- Easy Connect - Terminal Box (OEM)
- Easy Connect - Slide Control Unit
- Smart integration - Human Machine Interface (HMI)

Optional:

Advanced Dosing Algorithm (ADA)
up to 60% more efficient and faster

Integration

Modular and with a compact footprint

