

# ALFRA BUV QUICK, CLEAN LOADING

END-OF-LINE BULK OUTLOADING FOR MACRO COMPONENTS



# MOVABLE BULK DOSING, WEIGHING AND BLENDING

- For animal feeds, foodstuffs, industrial, agricultural and special products
- Movable bulk weigher for certified outloading
- Collect product from large number of different silos and discharge at different positions
- Optional sieve with integrated fines (powder) removal
- Low maintenance, very robust and long operational life (> 20 years)

## Multiple loading and discharge positions

The ALFRA BUV outloading system for bulk materials loads trucks cleanly and quickly with much less product damage and contamination than conventional chain or belt conveyors. It collects large volumes of finished product (meal, pellets, flakes, dry powders, granulates and other fragile products) and discharges these into a contra bin (BUVC) or directly into a truck (BUVT). Each bin of the BUVC discharges into its own compartment of the truck enabling quick loading of bulk trucks. The BUVM blends the ingredients while they are on the move to save time.

Safety measures include signings and powerful emergency brakes.

## Weighing data can be used for billing

The BUV can be certified to OIML R51. With certified calibration, weighing data from the BUV can determine payloads for customer billing. This is more accurate than weighing complete trucks and eliminates extra handling by truck drivers.

## Smart software ensures maximum throughput

The embedded ALFRA dose&weigh software uses historical data to start the coarse dosing and then adjusts the fine product flow profile dynamically, achieving up to 20% more throughput – even for materials with varying flow characteristics. The improved accuracy saves raw materials, while batch times are shorter and more predictable. Now, material dosing is no longer a process bottleneck!

## PIONEERING DOSING SLIDE

KSE's pioneering dosing slide makes fundamental improvements over traditional dosing systems. It has few moving parts for easy maintenance and long life (>20 years). It delivers raw materials with greater speed and accuracy, and has an enormous dynamic flow range (1:1000 !!!).

The unique dosing slide maintains the all-important First-In-First-Out material flow, eliminating dead zones in the silo. With its very large discharge area it is highly effective at avoiding bridging and rat holing. Vertical delivery means no product damage or compaction.



DOSE & WEIGH  
BATCHES UP TO  
**10 Ton**  
BLEND UP TO 6000 KG





## Dosing & Weighing Technology

### Specifications

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Dosing range	5 kg to 10000 kg
Weighing capacity	1000 kg to 10000 kg
Dosing accuracy	+/- 1 kg to 5 kg
Available types	BUVTx, BUVCx(y), BUVM

### Applications

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Feed and food	Compound feed, mineral premixes, pet food, aqua feed, milk substitutes, food ingredients
Industrial	Building materials, rubber, industrial components, plastics, chemicals
Special products	Seeds, washing powder, gypsum, plaster, raw materials for grinding discs, etc.

### See also:

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Datasheet	ALFRA DS (Dosing Slide)
Datasheet	ALFRA dose&weigh

### KSE: what we do

KSE Process Technology is a family business that has grown steadily over the last 40 years to become a worldwide concern. We supply everything your factory needs to dose, weigh and transport your materials. Besides dosing and weighing systems themselves, we provide automation solutions and services for producers of powders, pellets and granulates for the animal feed and related industries.

The portfolio of KSE dosing and weighing solutions covers everything from micro up to macro components, with dose rates from 1 gram to above 6,000 kg. Next to this, KSE's future-proof PROMAS ST process control system completely automates animal feed and food industry factories. Remote support with on-line diagnostics and a 24-hour helpdesk are available to customers around the world.

Although many of our products are standard, all our systems can be optimized to your requirements with different options and modifications.

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Scan the QR code to  
see the BUVM in action