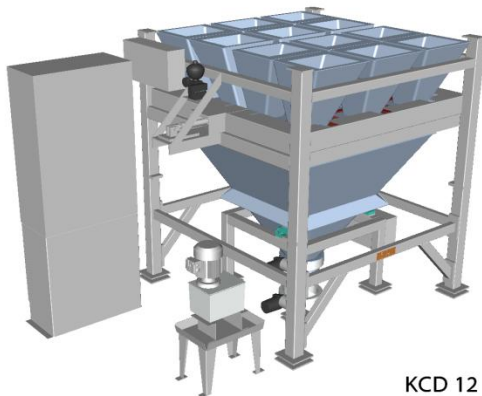




ALFRA Dosing & Weighing Technology

KCD/GCD/BCD Ingredient Dosing Systems with stationary weighers

The ALFRA KCD, GCD and BCD are fast, accurate and extremely robust machines for dosing powders, granules or pellets in quantities ranging from 1 kg to 2000 kg. They are equipped with a stationary weighing hopper and ALFRA Dosing Slides.



KCD 12



Accurate dosing with traceability

The ALFRA KCD (Small), GCD (Medium) and BCD (Bulk) Ingredient Dosing Systems offer raw material traceability, very accurate reproducible dosing and reduced operator involvement. Standard versions are available with 4 to 24 silos. Versions with more than 12 silos are executed with two combined weighing hoppers.

Stationary weighing hopper

Depending on the number of ingredients, these Ingredient Dosing Systems are fed by up to 24 silos. The machine automatically doses the appropriate amount into the weighing hopper using an ALFRA dosing slide. When the recipe is complete, it discharges the correct weight onto a transport belt or into an under hopper or a mixer positioned below the machine.

Self-learning ALFRA dose&weigh software

The system includes ALFRA dose&weigh software that can increase the dosing performance by 20%. This program is self-learning to optimize the dosing performance without having to separately fine-tune each individual parameter. This gives a higher and more consistent production capacity by reducing the influences of differing product characteristics. It also reduces required operator interaction.

Options

Options include vibrators for improved flow of bad running products, stirring action in the silo outlets, dust extraction system to avoid residue in the weigher and for a cleaner workplace, stainless steel (standard) or flexible weighing hoppers, Teflon coating and an extra wear-resistant execution for use with abrasive products, separate readout from each weighing cell for diagnostics and remote service.

Why choose the KCD, GCD or BCD?

- Reduced risk of cross-contamination
- Gentle handling, maintaining product quality
- Consistent production capacity regardless of product flow characteristics
- Very accurate reproducible dosing
- Traceability of raw materials

Specifications

	KCD	GCD	BCD
Dosing range ¹	1 kg to 100 kg	2 kg to 1.000 kg	20 kg to 2.000 kg
Weighing range	50 or 100 kg	100, 200, 300, 500 or 1.000 kg	1000 or 2.000 kg
Weighing accuracy	+/- 10 or 20 g	+/- 20, 50, 100 or 200 g	+/- 200 or 500 g
No. of silos	8 to 24	6 to 24	4 to 16

Applications

Food and feed	Compound feed, PremixMineral, pet food, fish food, milk substitutes, food ingredients, baby milk powder
Industrial	Building materials, rubber, industrial components, plastics, chemicals
Special products	(Grass) seeds, washing powder, grinding discs, gypsum, plaster

See also:

Datasheet	ALFRA Dosing Slides
Datasheet	ALFRA dose&weigh
Datasheet	MCD/KCD with moveable weighing hopper

ALFRA is a product from KSE Process Technology.
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¹ Dosing range depends on required relative dosing accuracy.