

# ALFRA ACT

**VERSATILE AND CONTAMINATION FREE**  
A FULLY AUTOMATIC CONTAINER TRANSPORT SYSTEM





# TRANSPORTS INGREDIENTS WITH ZERO CROSS CONTAMINATION

- Transport anything from raw materials to finished products throughout entire factory
- Dedicated, closed containers to minimize dust and waste.
- Reduces cross contamination to zero
- Clean manufacturing environment with high throughput
- Fully automatic filling, weighing, discharging and transport of containers
- Track & Trace, RFID coding and check weighers
- Extremely flexible in design: modular and scalable
- Extremely robust with low maintenance and running costs, >20-year operational life

## Fully automated transport with zero cross contamination

ACT systems use six basic modules to give safe, infinitely versatile transport between single or multiple sources and destinations. Materials are transported from weighers to blenders and blenders to packagers, with automatic silo filling for finished products. There are several sizes of container up to 5000 litres. All can hold up to 3000 kg, and all can transport even poor flowing, cohesive and/or compressible materials.

The system can move any number of containers automatically. Safety barriers and safety fences with access locks help ensure the safety of machine as well as the operators and service personnel.

## Modular construction guarantees versatile operation

The ACT is configured from any of the six basic modules to individual requirements. Products are held in a container which is transported throughout the entire system. They are transported horizontally by Container Conveyor and over longer distances by Container Shuttle. Vertically the containers are transported by an industrial heavy duty elevator. A Silo Filling Unit can be used to empty containers into storage utilities like silos (or even trucks). The complete system automation is based on the proven PROMAS ST process automation.

## SIX MODULAR BASIC ELEMENTS

TRANSPORT CONTAINER (TC)

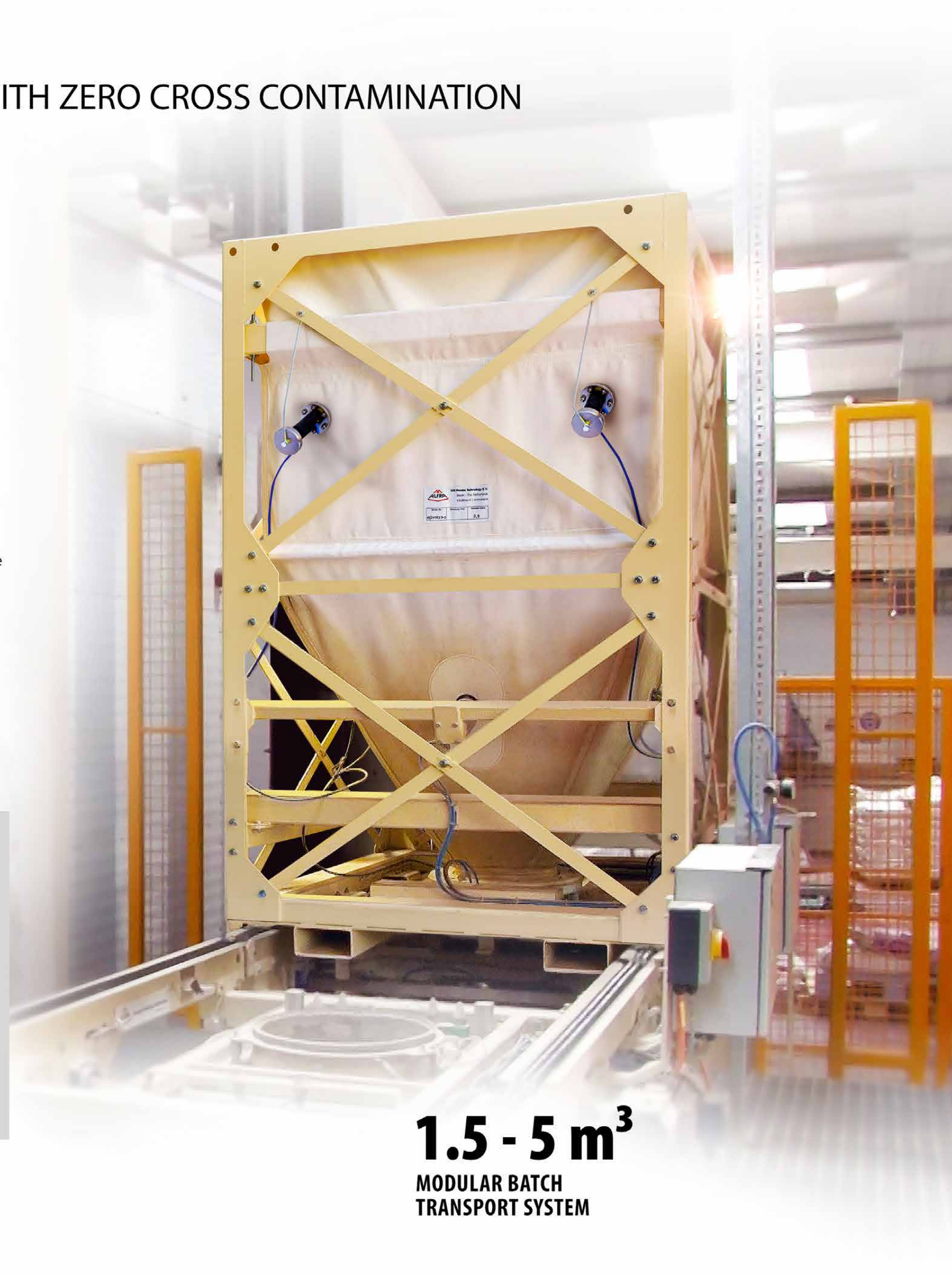
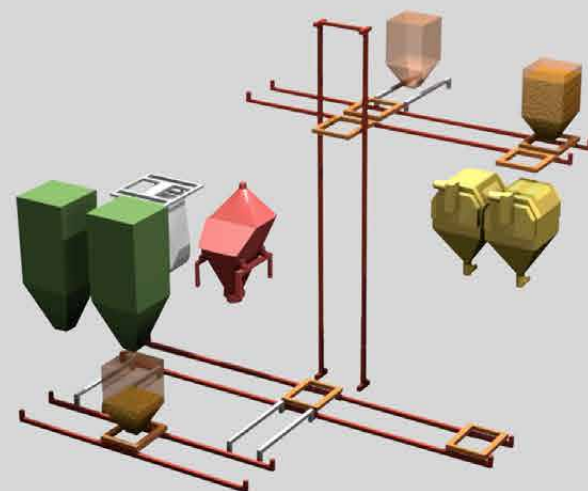
CONTAINER CONVEYOR (CC)

CONTAINER SHUTTLE (CS)

VERTICAL CONTAINER TRANSPORTER (VCT)

SILO FILLING UNIT (SFU)

AUTOMATION (BASED ON PROMAS ST)



**1.5 - 5 m<sup>3</sup>**  
MODULAR BATCH  
TRANSPORT SYSTEM





## Dosing & Weighing Technology

### Specifications

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Container volumes	1500 to 5000 liter
Container capacities	Up to 3000 kg
No. containers	1 to unlimited
Basic elements	Transport Container (TC), Container Conveyor (CC), Container Shuttle (CS), Vertical Container Transport (VCT), Silo Filing Unit (SFU) and Automation

### 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.

### 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 ACT in action