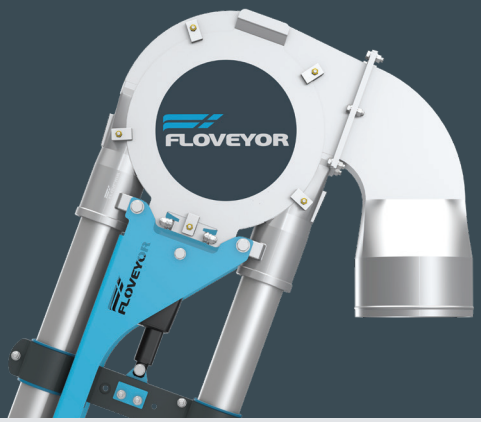
AERO-MECHANICAL CONVEYING

# Elementa

## Compliance and quality assurance for low-risk, dry food stuffs



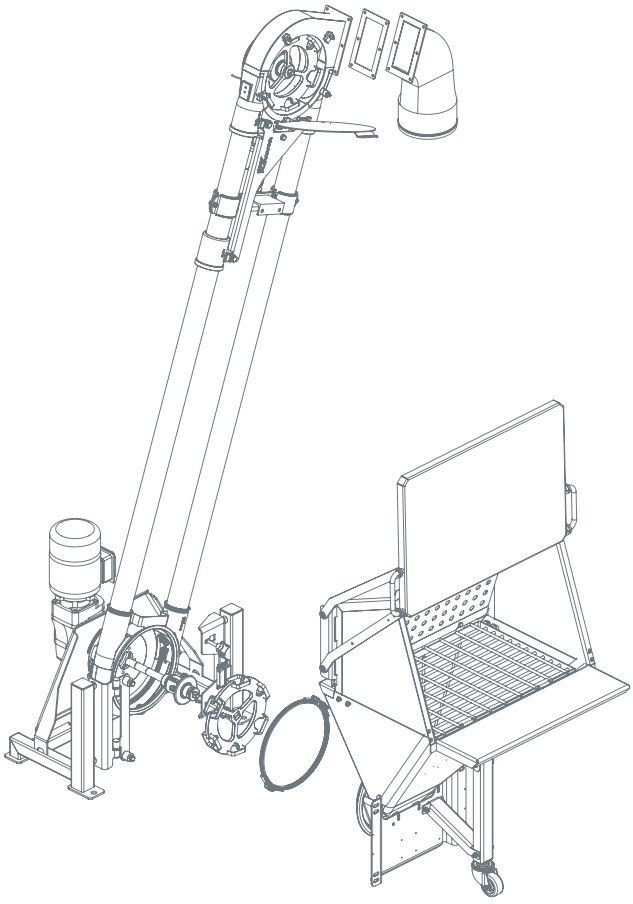

Give operators peace of mind, while ensuring food safety standards are met affordably and reliably. Elementa is the aero-mechanical conveyor (AMC) trusted by food and beverage processors. It is engineered specifically for food compliance and safety, without unnecessary complexity or cost.

| | |
|---|---|
| Food and Beverage | ✓ |
| Agriculture | ✓ |
| Critical Minerals | |
| Mining and Resources | |
| Manufacturing | |
| Chemical Processing | |

**Affordable compliance**
Cost-effective compliance meets essential food safety standards.

**Proven reliability**
Designed for easy maintenance to reduce downtime and keep production smooth.

**Optimised throughput**
Matched capacity optimises your process without over- or under-sizing.



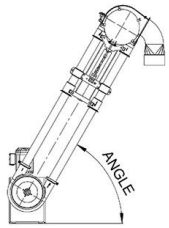
## Specifications

| | |
|---|---|
| **Conveyor size** | 3" (76.2 mm)<br>4" (101.6 mm)<br>5" (127 mm) |
| **Internal material contact parts** | Stainless steel AISI 304(L)<br>[Optional] AIS 316(L) |
| **External non-contact parts** | Carbon steel<br>[Optional] Stainless steel AISI 304 |
| **External welding** | Continuous, left "as laid" |
| **Internal welding** | Continuous, left "as laid" |
| **Finishing** | Carbon steel painted,<br>Stainless steel glass bead blasting |
| **Tubes** | Food-grade stainless steel tube (AS1528-1) |
| **Tube joins** | Tri-clamp with food-safe PTFE seal |

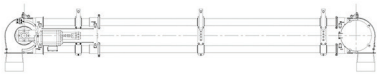
## Advantages

- Powders, granules, and fragile materials conveyed with minimal degradation
- Batch and blend integrity maintained across diverse material types
- Batches transferred with negligible residue, reducing cross-contamination risk
- High throughputs — up to 54 tph — with minimal installed power
- 80% lower energy consumption than pneumatic systems
- Fully enclosed tube prevents environmental dust contamination
- Lowest cost per tonne of powder elevation available
- Optional IECEx/ATEX upgrades allow safe handling of explosive powders.

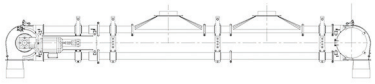
## Configurations available



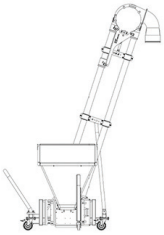

**Direct linear**



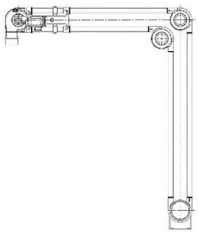
**Horizontal**



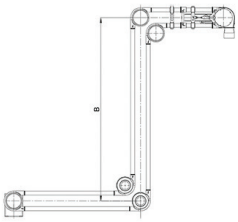
**Bi-directional**



**Mobile**



**Corner unit**



**Dual corner unit**

## Get in touch with us

Find out how to optimise your plant with a Floveyor powder handling system.