

AirLift



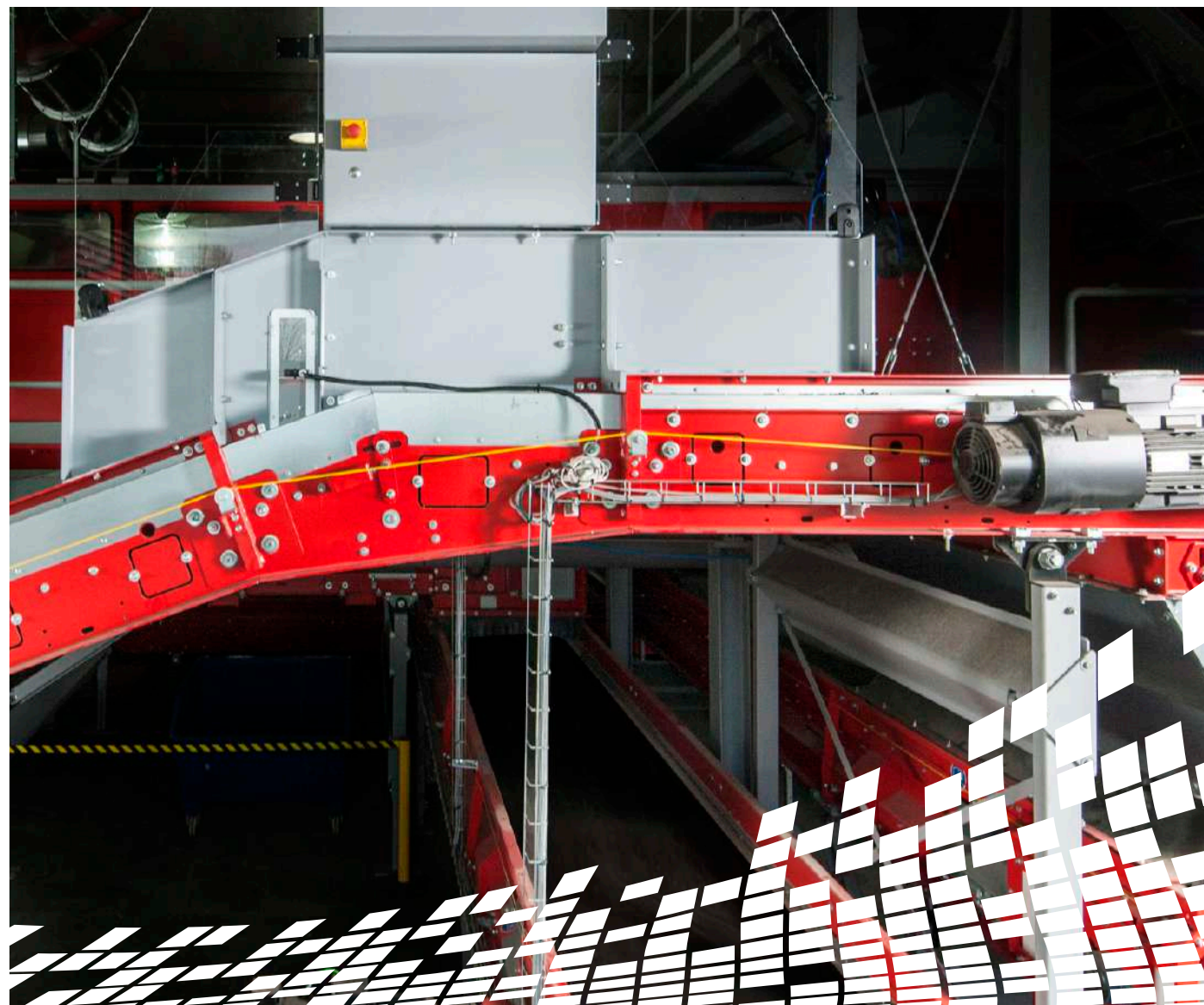
Product description

AirLift

Operators of composting plants are aware of the problem that organic household waste is often contaminated with foils and packaging waste. With the **AirLift**, Westeria® technicians and engineers have developed an aggregate that can be easily integrated in existing plants. The whole system consists of 3 segments; with the high-speed conveyor belt, the feed material is conveyed to the **AirLift** with up to 4 m per second. This is coupled with the **AirWheel**. The long-lasting experiences

gained in the windsifter design have been continuously developed, in order to achieve a correctly sorted separation of materials that have almost the same weight. Also concerning treatment and processing of PET-bottles, the **AirLift** shows all its potential. Lightweight plastics and label papers are perfectly separated.

The **AirLift** is the first choice, when materials with very similar specific density have to be separated precisely.



Advantages

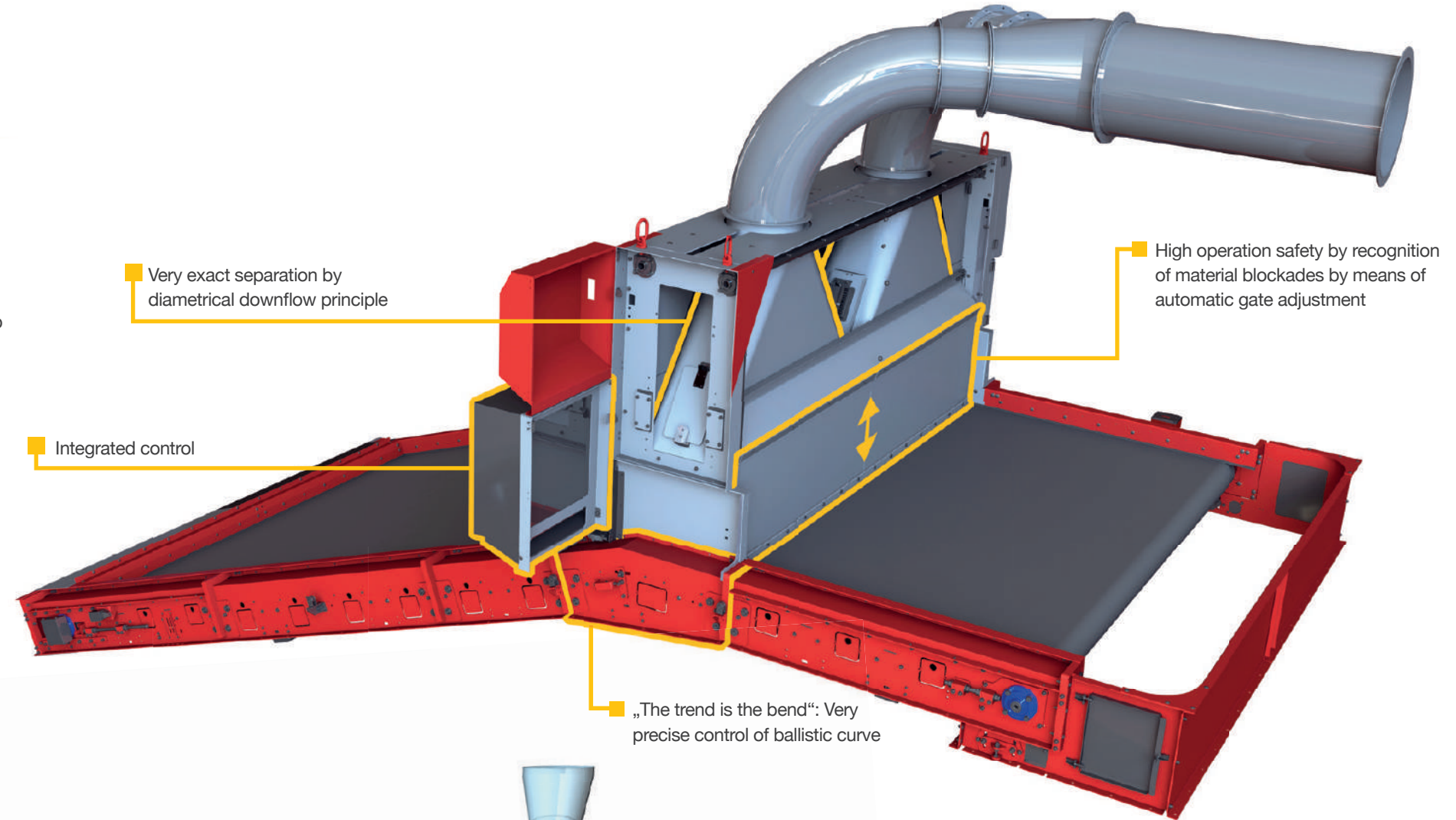
SpeedCon + AirLift + AirWheel

Performance

- Substantial reduction of waste disposal costs, e.g. in case of processing and treatment of commercial waste
- Significantly higher efficiency compared with normal overbelt suction due to exact adjustment of ballistic flight curve, air velocity and viewing gap
- Very precise foil separation without PET-loss
- Purity levels of more than 99 % can be achieved
- Throughput up to 320 m³/h
- Extremely efficient foil removal for any compost application
- Separation of EBS in high and medium caloric fractions possible

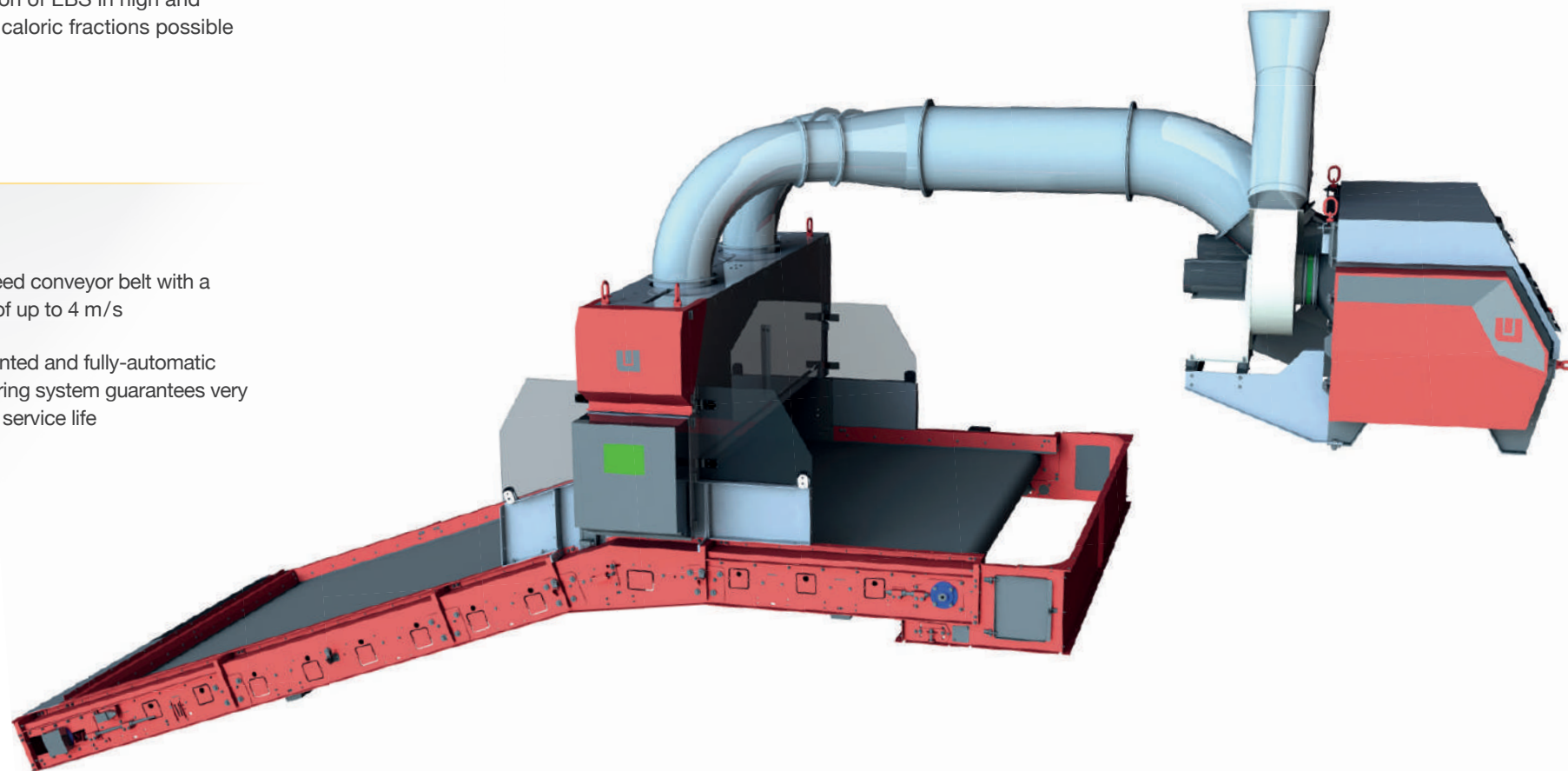
General

- Upgrade in existing windsifter plants, to adapt their performances to the current market demands
- Modular system operation widths up to 3500 mm



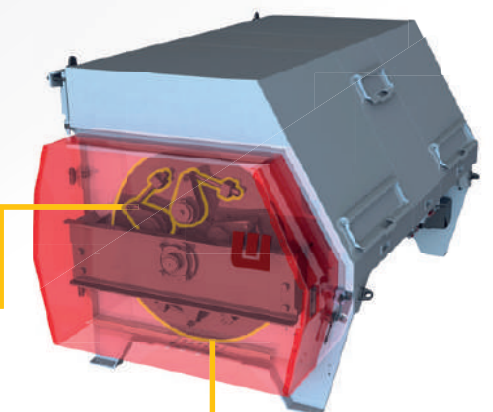
SpeedCon

- High-speed conveyor belt with a velocity of up to 4 m/s
- The patented and fully-automatic belt steering system guarantees very long belt service life

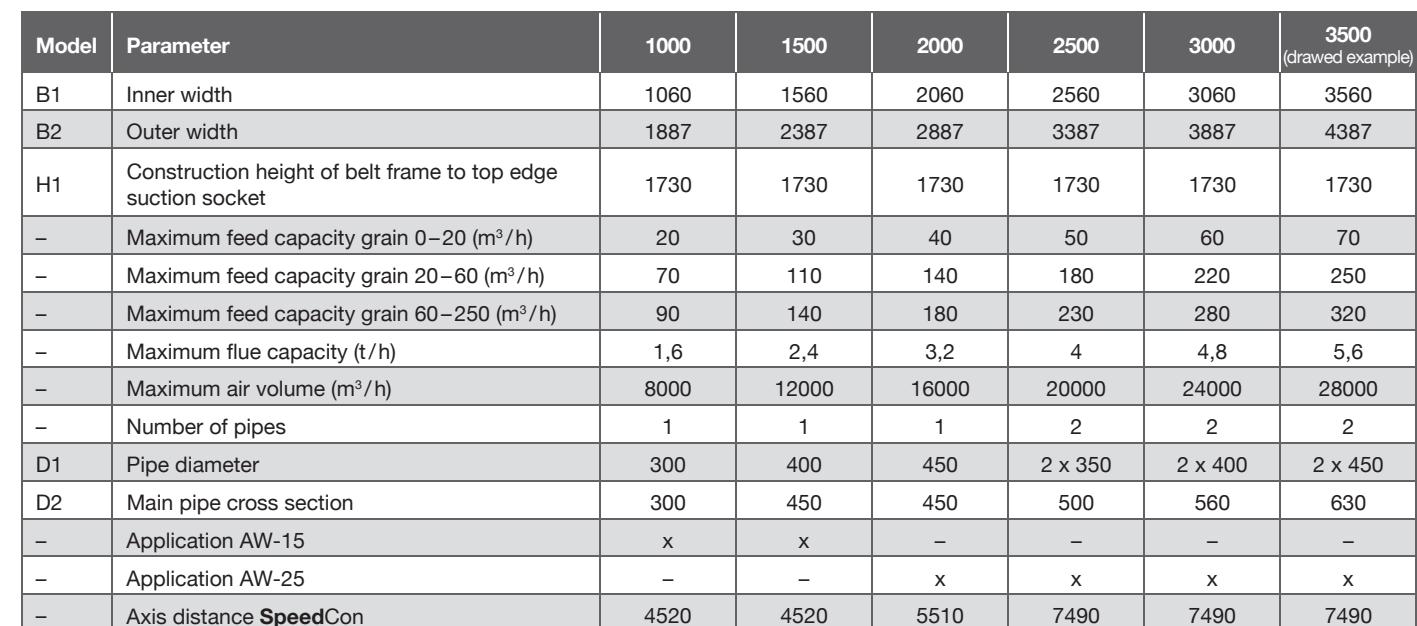


AirWheel

- Innovative, maintenance-friendly construction
- Reduction of manual cleaning effort by Westeria® cleaning system AirJet
- Service possible during operation
- An external adjustment of the whole system is possible by means of one-side and maintenance-friendly level mechanism



- The special Westeria® sealing system avoids material wedging



Model	Parameter	AW-15	AW-25 (drawn example)
B1	Connection width	1425 mm	2300 mm
B2	Internal flange width	1325 mm	2200 mm
B3	Axis to outer edge	1118 mm	1555 mm
B4	Axis to outer edge (conveying direction)	1118 mm	1555 mm
L1	Axis to outer edge	740 mm	750 mm
L2	Axis to outer edge	810 mm	902 mm
D1	Inlet diameter	450 mm	560 mm
D2	Outlet diameter	300 mm	400 mm
–	Weight	1340 kg	1920 kg

Westeria® conveys values

Production, logistics, recycling – when conveying general loads or bulk material and in case of separating and sorting mixed valuable substances and materials: special solutions are necessary – they have to be economical, solid, lasting, reliable and made for special requirements.



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