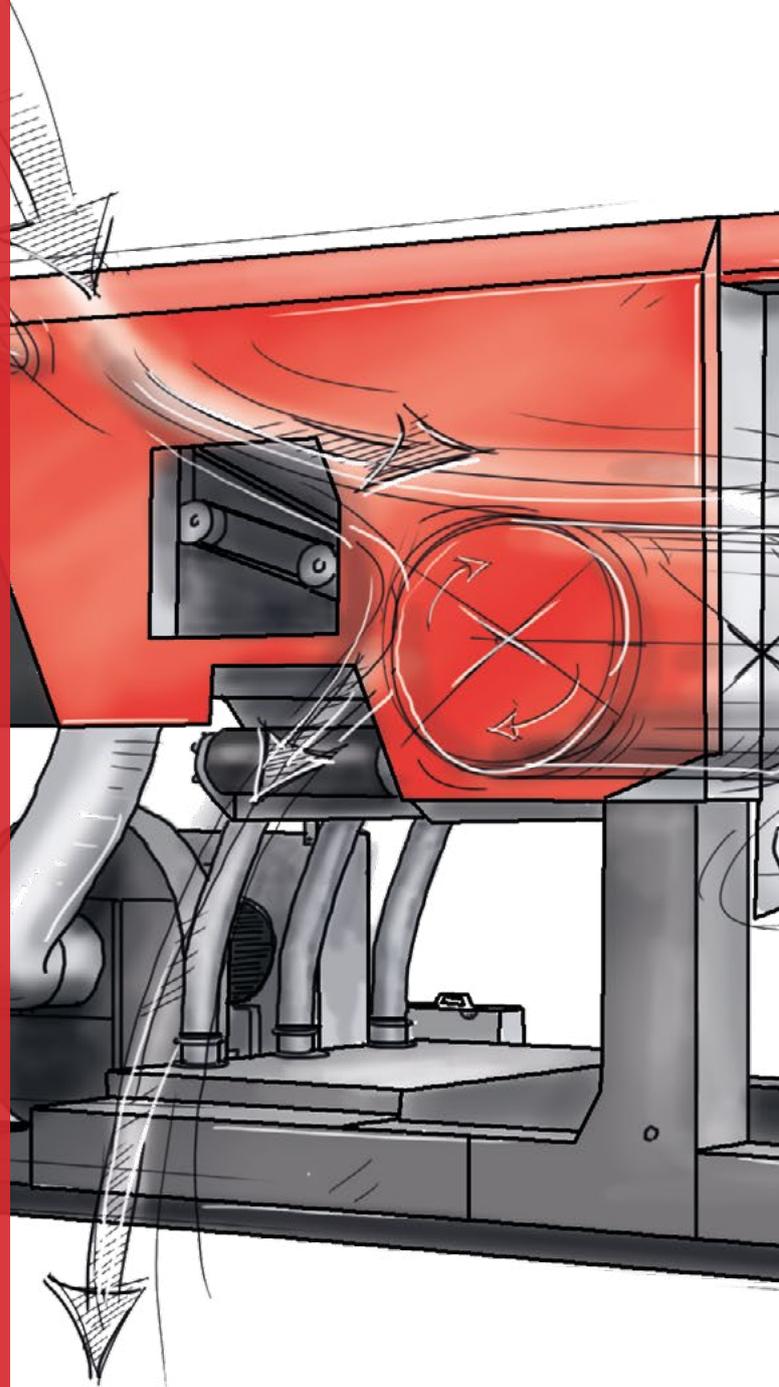
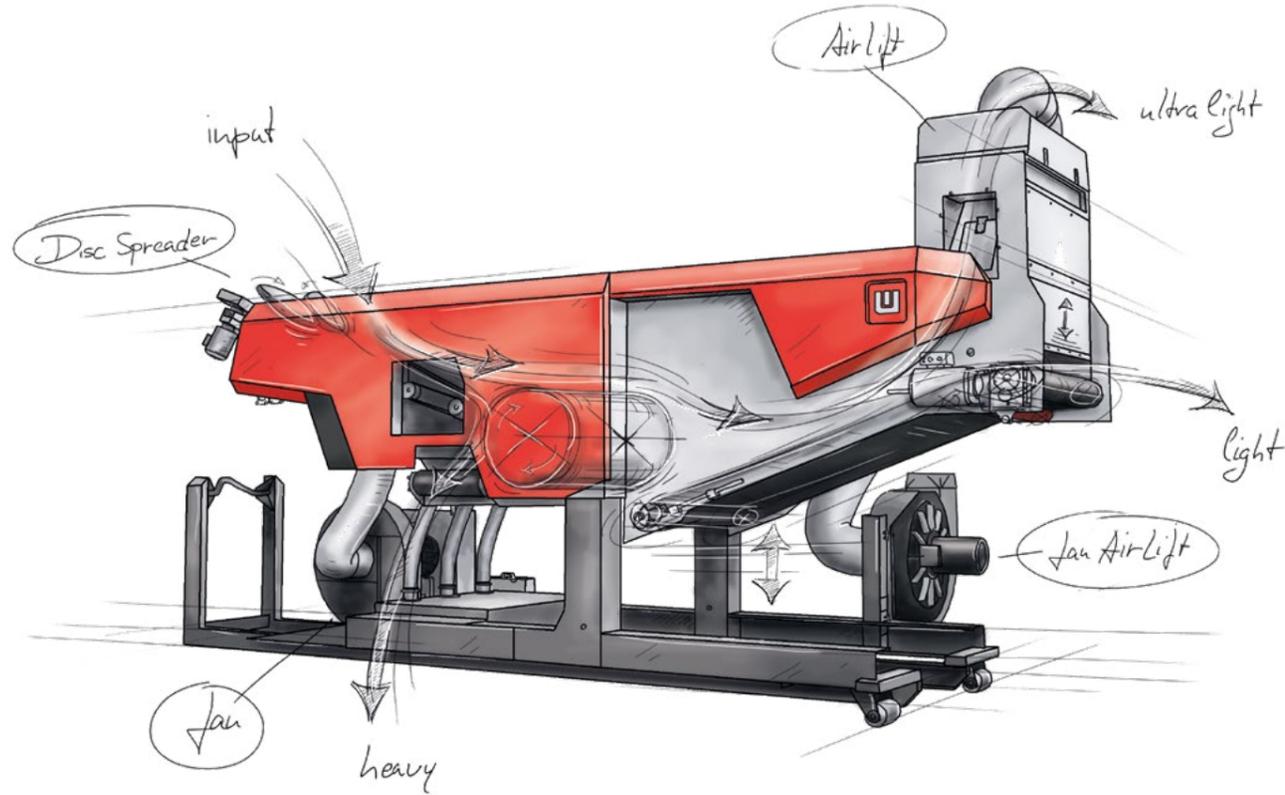


# AirBasic®

WINDSIFTING | PRODUCT PRESENTATION



# AirBasic®



## Compact system for flexible solutions

The AirBasic brings the advantages of our proven windsifter technology to a small, mobile machine. It is available in different options to ensure optimum separation results at any location. Material can be fed in any direction (180 °). It has a patented adjustable and

precise nozzle system that works much more efficiently than comparable products on the market. Thanks to our standardized production process, it can be delivered fast, regardless of the version or options selected. Fully equipped, it fits into only one 40ft HC container.

## About us

Westeria is a German company from Westphalia with over 60 years of experience producing innovative machinery. Since 1956, our product portfolio has largely grown to provide high-quality machines, technical expertise and excellent service to our clients. We are constantly developing new recycling machines and conveyor systems for what is perhaps the biggest challenge of the present day: make the circular economy a valuable and profitable reality all over the world.

## Components

The windsifter is composed of the following parts:

### AirBasic®

The main body of this machine consists of a two-way separation system that can easily integrate conveyors or other modules such as the AirLift or DiscSpreader to adapt to your needs.

### Acceleration belt

Belt that feeds material to a speed of up to 3 m/s.

### Patented air system

Highest purity of output fractions due to marginal deviation of blowing velocity (max. 5 % at 1,500 mm operation width).

### Separation drum

Rotating drum that separates the heavy and light material.



The position of all crucial components of the system can be reproduced with the help of a coordinate system.

## Key advantages

### Maximal flexibility

Many options can be integrated to adapt the machine to your needs.

### Easy maintenance

Free access to all components in operation position.

### Energy-saving

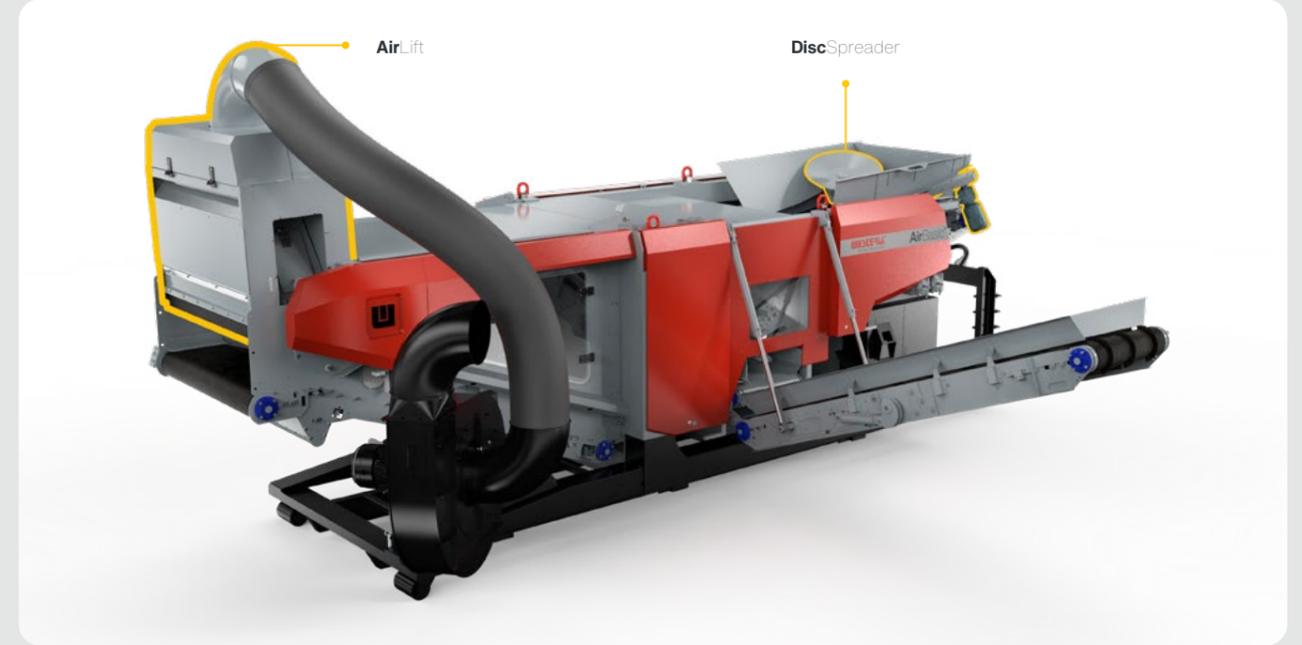
Low system resistance allows higher pressure at the blower nozzle with the same fan power.

# Application examples



# Options

Can be added to match your needs.



## Technology Center

We will test the performance of your materials at our Technology Center and we give you assurance that you will achieve the same results with your application.



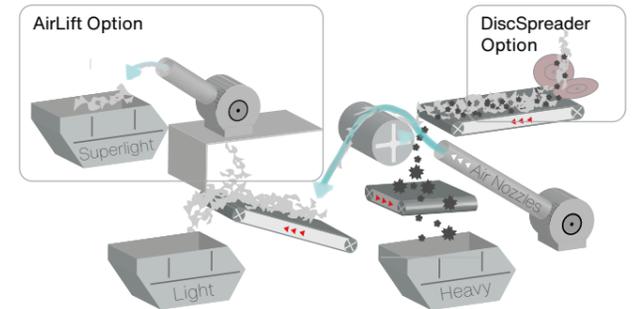
- Remove films and packaging from compost or household waste
- Remediate waste directly in landfills
- Separate C&D waste
- Process PET bottles to separate light plastics and label papers
- Separate slag to benefit from these combustion residues
- Recycle even the toughest scrap materials without damaging this robust machine

### AirLift®

Vacuum windsifting machine that creates a third fraction by separating ultra-light impurities from light fraction.

### DiscSpreader®

Material distribution machine that feeds smooth flows of non-linear material inputs.



### Mobility

Different carriages can be integrated to simplify transport and to achieve absolute mobility:

- Fork lift carriage
- Hook lift carriage
- Tow coupling and wheel chassis
- Crawler chassis (with remote control)

### Conveyors

Depending on requirements, the following Westerier conveyors can be installed:

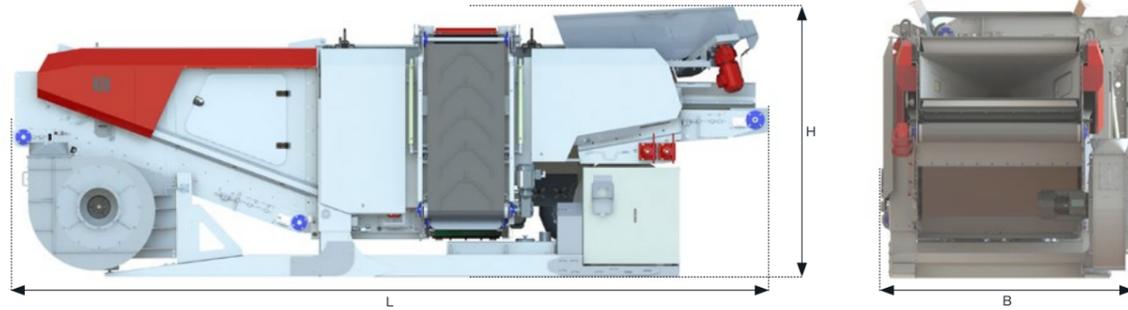
- Light discharge conveyor (max. height: 2525 mm)
- Lateral conveyor (heavy discharge)
- Pile conveyor (hydraulically retractable, max. height: 2915 mm)

### Hydraulic level control

Optimal working height quickly and easily adjusted (max. 800 mm).

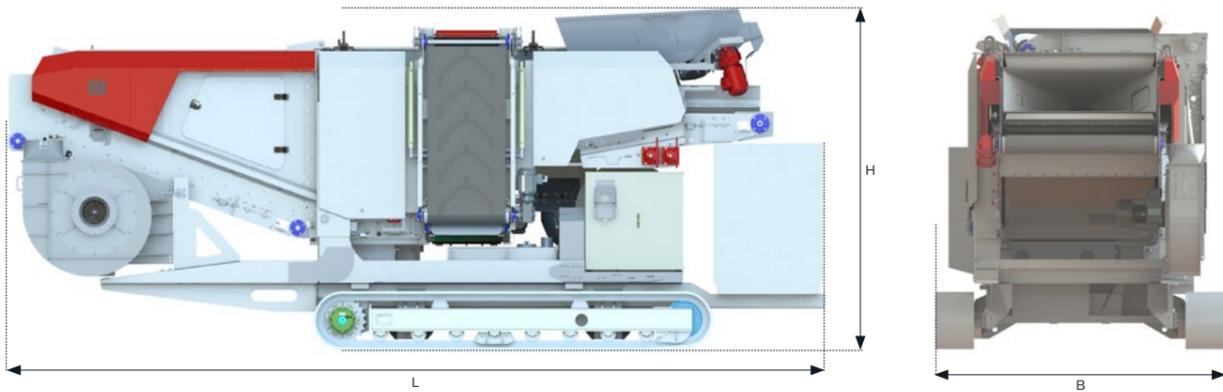
# Technical information

## Without roll on/off frame and generator



Option	L (mm)	B (mm)	H (mm)	W (kg)
Basis	6559	2322	2261	6600
Lateral conveyor (heavy)	6559	2476	2278	+300
Pile conveyor (heavy)	6559	2523	2412	+670
DiscSpreader	6559	2476	2465	+450
AirLift	6559	2531	2278	+1300
Light discharge conveyor	7849	2322	2278	+1600

## Crawler chassis/forklift shoes

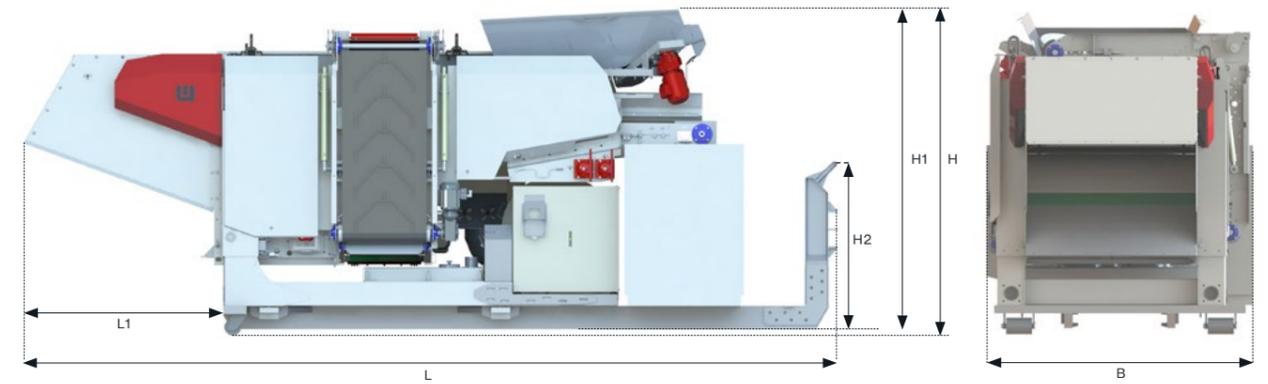


Option	L (mm)	B (mm)	H (mm)	W (kg)
Crawler chassis (+ generator)	+700	3000	+885	+6100
Forklift shoes	-	-	+148	+540

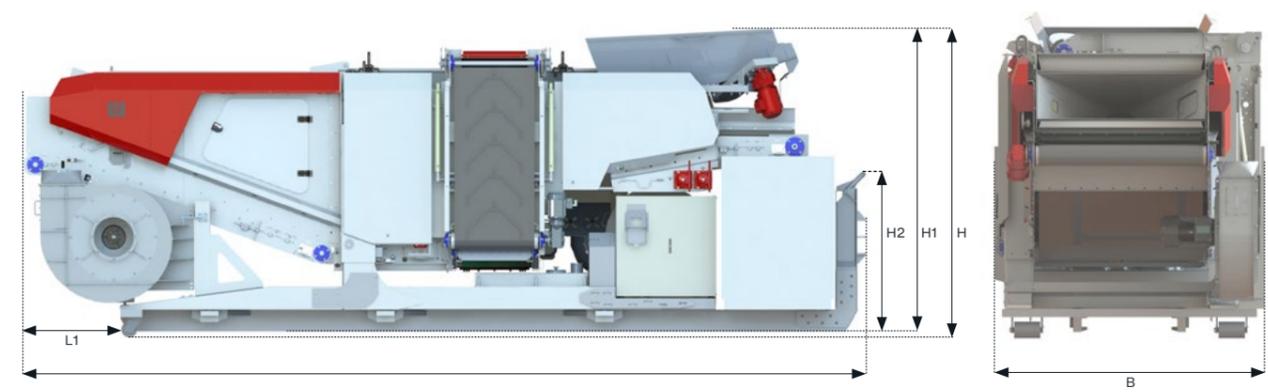
Feeding and hand-over heights (mm)	Positions	0	100	200	300	400	500	600	700	800
With height adjustments (top edge)	Feed	2470	2570	2670	2770	2870	2970	3070	3170	3270
	Feed without DS	2070	2170	2270	2370	2470	2570	2670	2770	2870
Without pile/light conveyor (lower edge)	Lateral conveyor (heavy)	470	570	670	770	870	970	1070	1170	1270
	Light discharge	450	550	650	750	850	950	1050	1150	1250
With pile/light conveyor (lower edge)	Pile conveyor (heavy)	1530	1630	1730	1830	1930	2030	2130	2230	2330
	Light discharge	1140	1240	1340	1440	1540	1640	1740	1840	1940
Options with height impact	Roll/on frame (DE)	+220	+220	+220	+220	+220	+220	+220	+220	+220
	Forklift shoes	+150	+150	+150	+150	+150	+150	+150	+150	+150
	Crawler chassis	-	-	+685	+685	+685	+685	+685	+685	+685

## With roll on/off frame and small light fraction chamber



With generator	L (mm)	B (mm)	H (mm)	W (kg)	L1 (mm)	H1 (mm)	H2 (mm)
Basis	7704	2550	2732	8600	1899	2672	1570
Lateral conveyor	7704	2550	2732	+300	1899	2672	1570
Pile conveyor	7704	2550	2892	+670	1899	2832	1570
DiscSpreader	7704	2550	2945	+450	1899	2885	1570
Without generator	L (mm)	B (mm)	H (mm)	W (kg)	L1 (mm)	H1 (mm)	H2 (mm)
Basis	7704	2476	2532	6800	1899	2472	1570
Lateral conveyor	7704	2476	2532	+300	1899	2472	1570
Pile conveyor	7704	2523	2692	+670	1899	2632	1570
DiscSpreader	7704	2476	2745	+450	1899	2685	1570

## With roll on/off frame and big light fraction chamber



With generator	L (mm)	B (mm)	H (mm)	W (kg)	L1 (mm)	H1 (mm)	H2 (mm)
Basis	8425	2550	2758	10880	970	2698	1570
Lateral conveyor	8425	2550	2758	+300	970	2698	1570
Pile conveyor	8425	2550	2892	+670	970	2832	1570
DiscSpreader	8425	2550	2945	+450	970	2885	1570
AirLift	8425	2550	2758	+1300	970	2698	1570
Without generator	L (mm)	B (mm)	H (mm)	W (kg)	L1 (mm)	H1 (mm)	H2 (mm)
Basis	8425	2476	2558	9100	970	2498	1570
Lateral conveyor	8425	2476	2558	+300	970	2498	1570
Pile conveyor	8425	2523	2692	+670	970	2632	1570
DiscSpreader	8425	2476	2745	+450	970	2685	1570
AirLift	8425	2531	2558	+1300	970	2498	1570



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