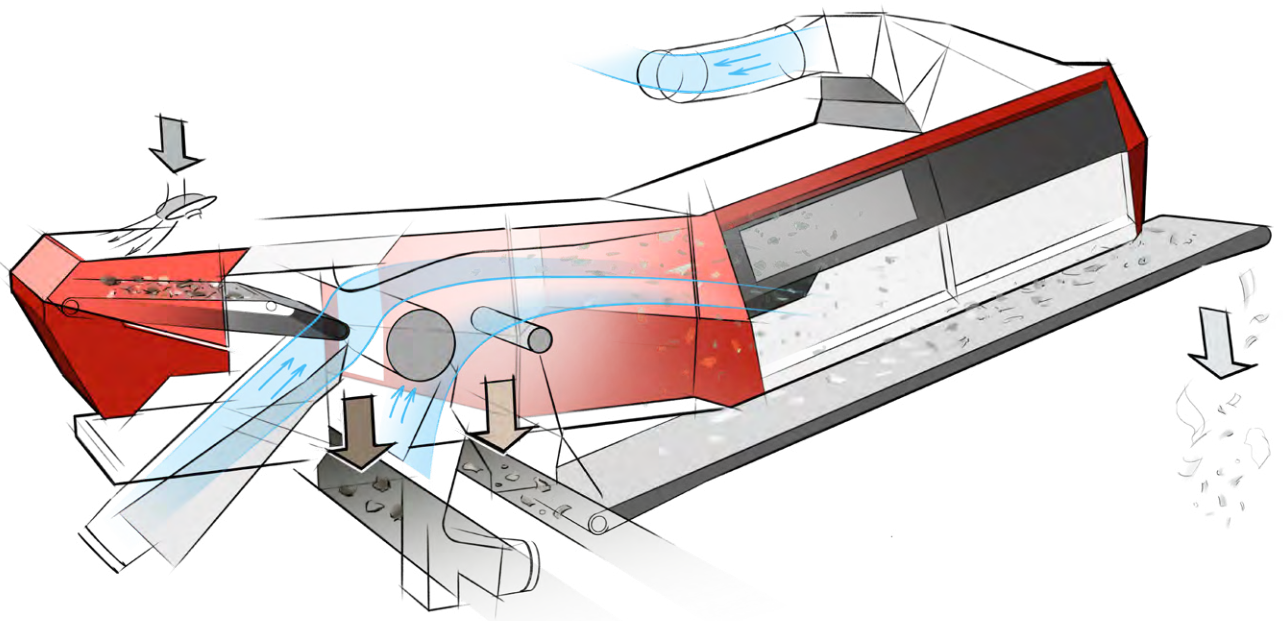


# AirStar<sup>®</sup> evolution

WINDSIFTING



**WESTERIA<sup>®</sup>**  
MOVING INNOVATION

## What is the AirStar® evolution?

As the heart of modern recycling processes, it ensures clean, marketable output streams: The **AirStar®** evolution separates materials into different fractions according to weight and flight behavior.



## For demanding recycling processes: Innovation – Precision – Flexibility

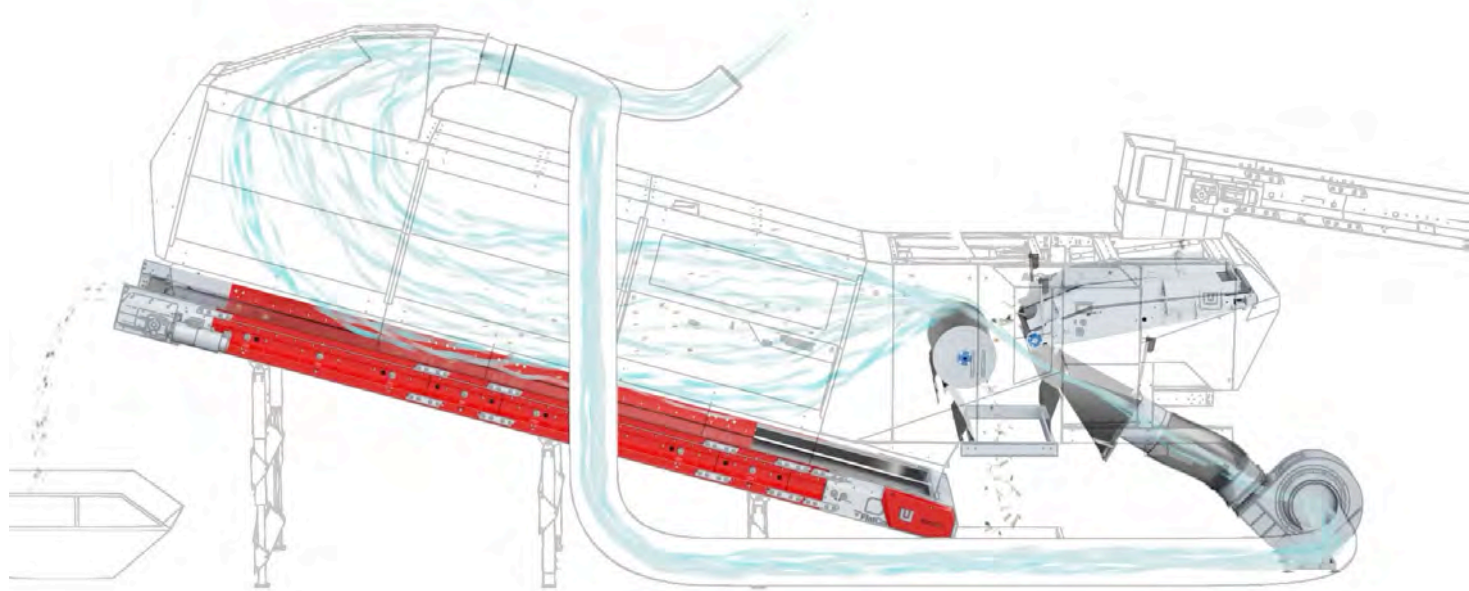
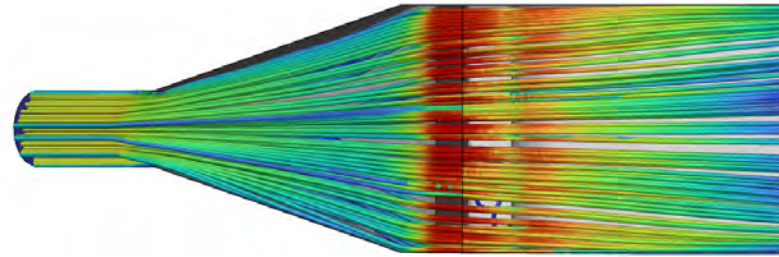
- **NotusAir®**: industry-leading sharpness of separation
- Save at least 30% energy compared to market competitors
- Intuitive user interface with recipe management & touchscreen
- Patented **DiscSpreader®** ensures perfect material distribution
- **World first**: Four fractions combined in one machine thanks to **DuoDrum®** and **AirLift®**

## About Westeria – Pioneers of windsifting

Since the 1980s, Westeria has shaped cross-flow windsifting as the undisputed technology leader. With our numerous patents and utility models, we keep redefining the standard and setting benchmarks. Our company has been in existence since 1956 and still manufactures with in-house production in Germany – a clear commitment to quality, precision and durability. For all those who don't just want to recycle, but also perfect it.

## Significantly better material separation

Our newly developed **NotusAir®** air management system ensures significantly better separation with reduced exhaust air volume. The intelligent airflow design and innovative nozzle technology make **NotusAir®** a prime example of our innovative spirit.



- Perfect material separation with best-in-class quality
- Reduced filter size
- Minimal pressure loss thanks to aerodynamically optimized components
- At least 30% less energy consumption than market competitors
- Frequency-controlled fan as an essential isolating parameter
- Less material loss due to controlled air recirculation with a special extractor hood

## Intuitive control

## Self-explanatory operation

With the new Westeria User Interface, you become independent of highly-qualified staff. We have observed the practical challenges that workers face and simplified machine operation so that it can be easily handled by anyone. All parameters such as drum positions, feed belt height, air speed and nozzle angle can be adjusted centrally via intuitive icons. Some of the programs are configured in advance by our experts and precisely tailored to your material, so that no deep intervention in the programming is necessary on site.



- Simple program management for various separation settings
- Comfortable 12-inch touchscreen with built-in, easy-to-understand manual
- Multi-level rights management to avoid unauthorized customization
- Illustrated and clearly explained fault messages
- Concise signal lights for visual indication of machine status



## Flexibility for any recycling process

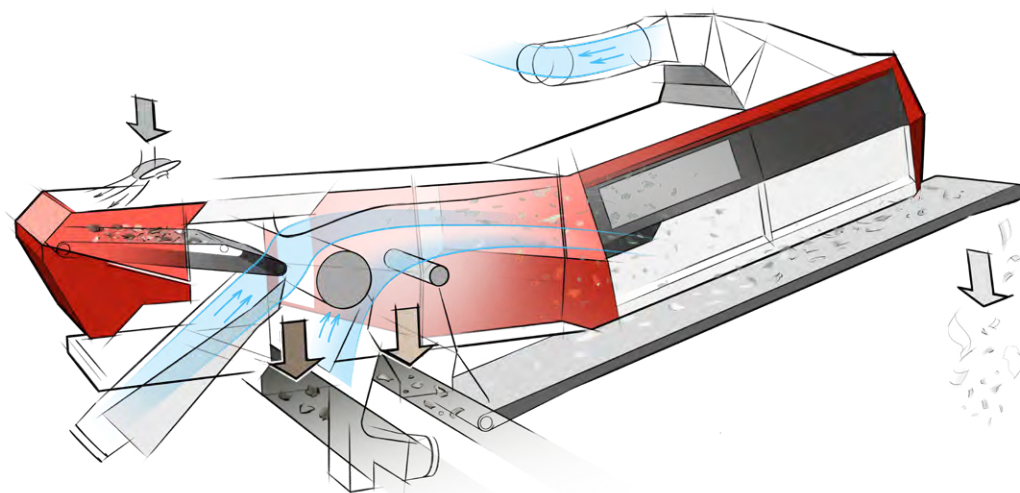
Increase your profitability with the flexible configuration options and add-on modules for the **AirStar®** evolution.

### DuoDrum® – the third fraction

**The challenge:** When conveying moist material or a high film content, separation into two fractions is often not sufficient to achieve a flawless result.

**The solution:** DuoDrum® complements the classic separation into heavy and light with a medium fraction. The additional drum can be electronically adjusted vertically and horizontally for individual requirements. This allows you to achieve much cleaner results even for difficult separation tasks.

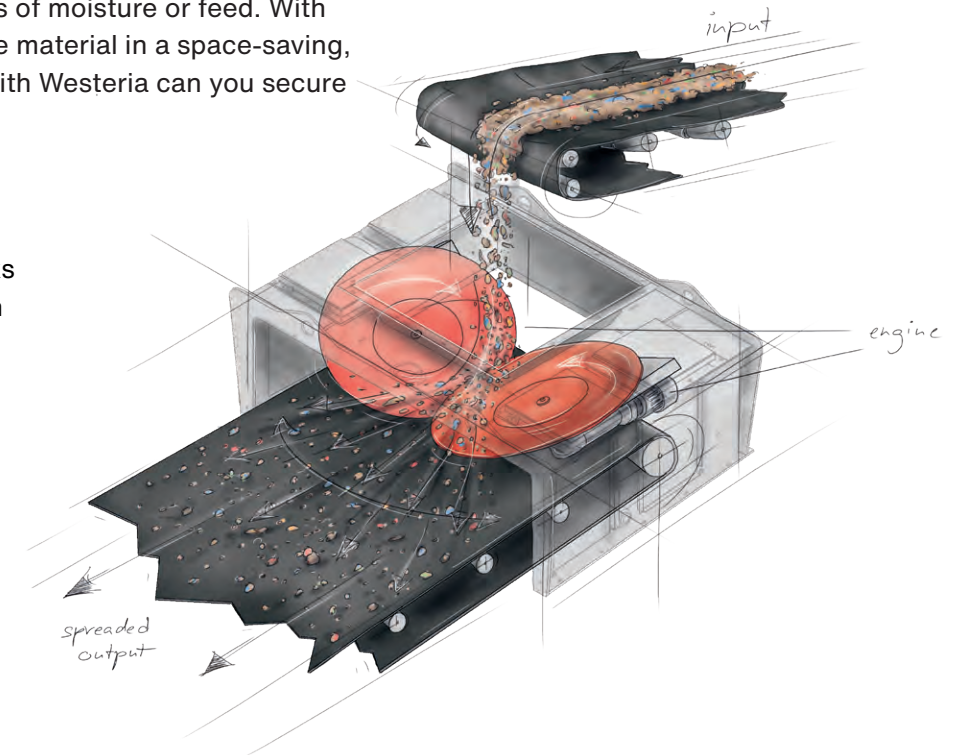
- Integrated **NotusAir®** system: Two nozzles with precise and demand-guided airflow
- Patented: The additional drum can be easily adjusted electronically in vertical and horizontal direction



### DiscSpreader® – perfect material distribution

Patented and unique: The **DiscSpreader®** ensures even material distribution – regardless of moisture or feed. With two rotating discs, it conveys the material in a space-saving, fast and reliable manner. Only with Westeria can you secure this advantage in windsifting.

- Higher separation quality due to perfect distribution
- Save installation space thanks to patented compact solution

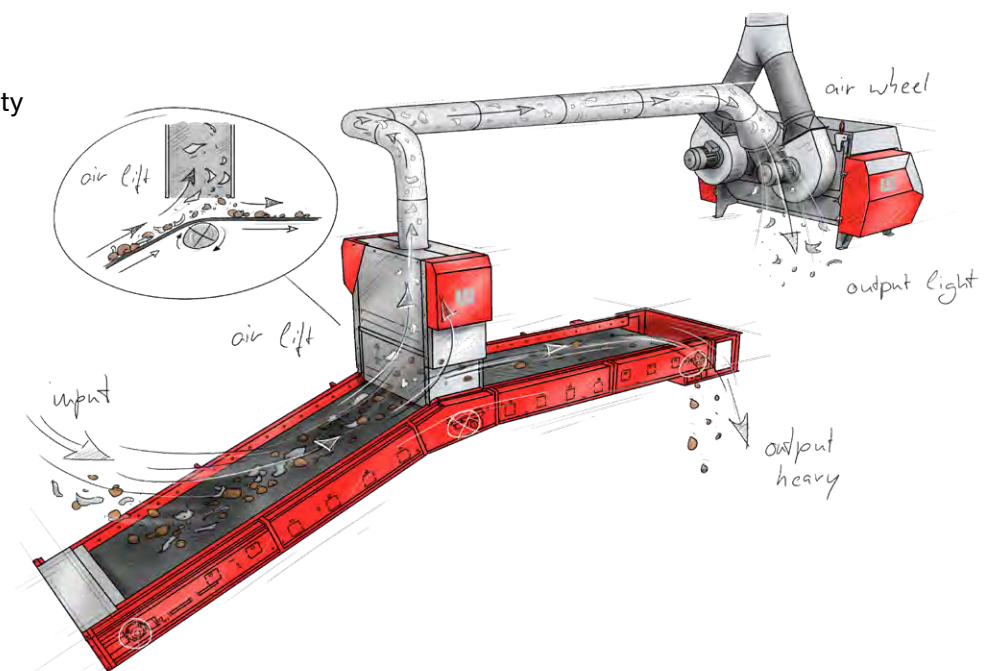


### AirLift® – ultra-lightweight fabrics under control

Integrated as an additional stage, the patented **AirLift®** specifically draws the ultralight fraction (e.g. films) from the material flow. In combination with the **DuoDrum®**, this enables you to create four separation fractions with just one machine for the first time. The newly developed **AirWheel®** air separator used for this purpose automatically detects blockages.

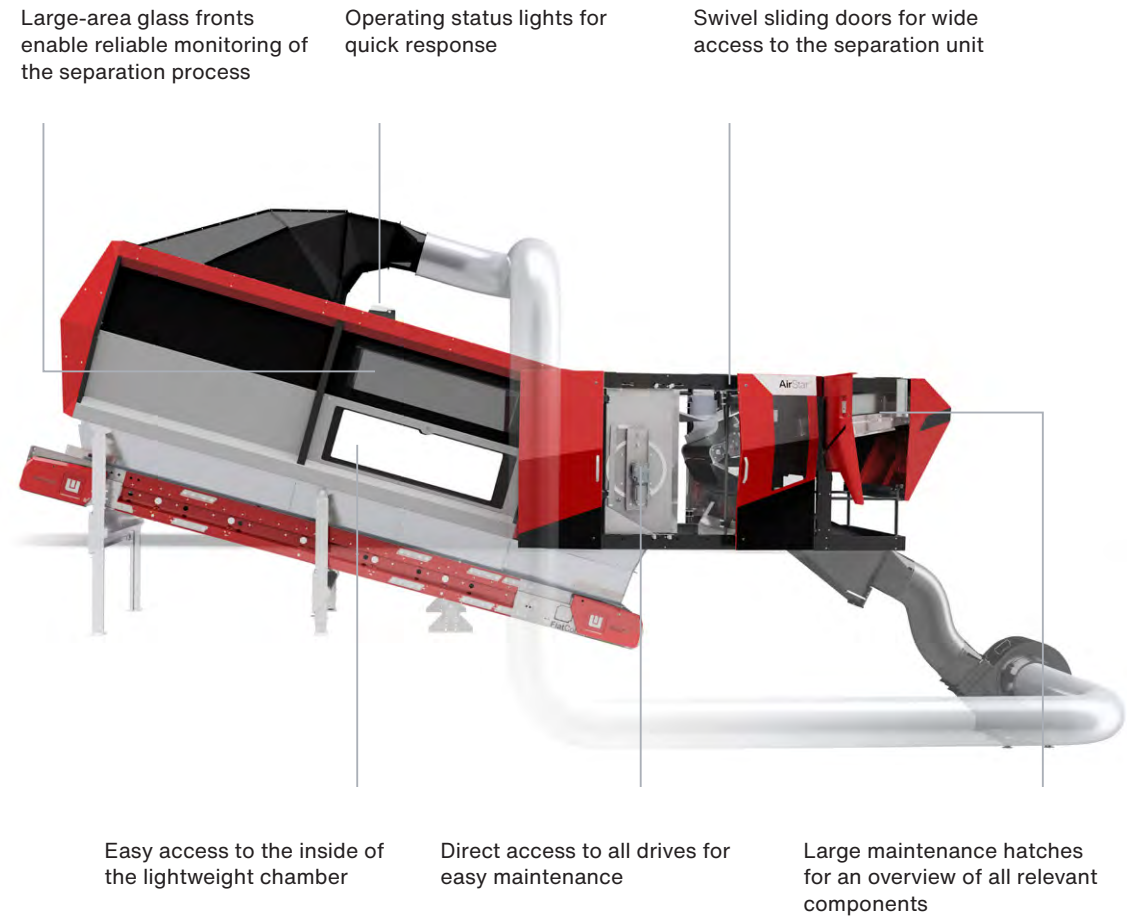
**NEW: 4-fraction separation in just one machine**

- Greatest possible selectivity thanks to the diametrical counterflow principle
- Convenient maintenance access during operation



## Longer machine life

Our intelligent design with generous viewing windows and removable panels reduces service times to a minimum.



## Smart design

- Removable covers  
→ allows quick maintenance
- Maintenance program at the touch of a button  
→ provides easy access
- Automatic gutter cleaning & misalignment correction  
→ ensures fewer belt failures
- Patented shaftless drum bearing  
→ eliminates material winding

## Space-saving customization options

### Working widths

- 1,000 mm
- 1,500 mm
- 2,000 mm
- 3,000 mm

### Lightweight chambers

- L1 = 3,000 mm
- L2 = 6,000 mm
- L3 = 9,000 mm

### FlatCon transfer belt

- 495 mm
- 990 mm
- 1980 mm
- 3960 mm

### Modules

- DiscSpreader®
- AirLift®
- DuoDrum®
- AirWheel®

Lightweight chamber available with 15° inclination or without inclination (0°).

- For highest throughput rates
- The right solution for every installation space





## For best separation results

We validate your material individually in our modern **TechCenter**. Based on extensive testing, we configure the recipes specifically for your materials and import them into your machine before delivery.

See for yourself:

- You will receive a test report with video documentation for optimal insight into the test results.
- Our separation results are reliably reproducible for continuous quality assurance
- The ideal program for your separation process is stored in your machine



Let the performance speak for itself –  
book your material test at our  
TechCenter now!

## DuoDrum® separation

Heavy fraction



Middle fraction



Light fraction



## Standard separation

Heavy fraction



Light fraction



Heavy fraction



Light fraction







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