



Compost
Systems

Machine technology

AELUS

Air separator



AELUS air separator

Plastic removal from compost is another step to make composting more effective, affordable and practical for day-to-day use. The newly developed AELUS air separator is the flexible solution to remove light plastic contamination from your composting-loop in an effective as much as affordable way!

Effective,
affordable and quick



The pressure is on! Microplastic, film plastic, PFAs and other contaminations of plastic are causing big question marks to the composting industry. The AELUS air separator helps to meet the targets of plastic removal.

With state-of-the-art technology the plastic from the oversize is hoovered into a container. Combined with a 3.5 m³ hopper, the machine is able to run as a standalone unit or in combination with a screening station. With a strong head pulley magnet, the conveyor belt can be turned into a magnetic separator to remove ferrous metals.

Benefits using the AELUS air separator

Remove plastic from your compost oversize

Under ideal conditions you can remove up to 95 % of light plastic contamination from your screen oversize!

Magnetic separator and stone trap

Apart from plastic contamination, the AELUS air separator is able to remove ferrous metals as well as stones from your screen oversize.

Load materials directly into the feed hopper

using either a loader or conveyor belt.

Upgrade your process

Combine the AELUS air separator with the discharge conveyor belt of your screening station to enhance the removal process of contaminations.

Be independent from electric supply

If there is no other power supply available, you can simply connect the AELUS air separator with a mounted power generator. This way, AELUS remains mobile and independent!

Fully mobile

Transport the AELUS air separator hitched to a tractor from site to site!



Contact our team for more detailed information
or schedule a demonstration and experience our mobile air separator in person.



01



02



03



04

Technical data

Mobile and stationary air separator

Capacity:	up to 30 m ³ /h (depending on material)
Selection efficiency:	up to 95 %
Hopper capacity:	3.5 m ³
Total connected power:	35 kW
Power consumption:	15 - 30 kW/h
Colour:	Green (RAL 6029)

Due to manufacturing tolerances and design changes, the specifications given may vary slightly. All data subject to change without notice.

- Options:**
- Magnetic separator
 - Stone trap
 - Power generator
 - Wireless remote control
 - Central lubrication
 - Custom colour



Scan and watch how AELUS works

- 01 Filling the 3.5 m³ feed hopper with a loader
- 02 Filling the feed hopper of the mobile air separator with conveyor belt
- 03 Magnetic separator removing ferrous metals
- 04 Removed plastic in the collection box
- 05 Stationary air separator combined with screening station



05

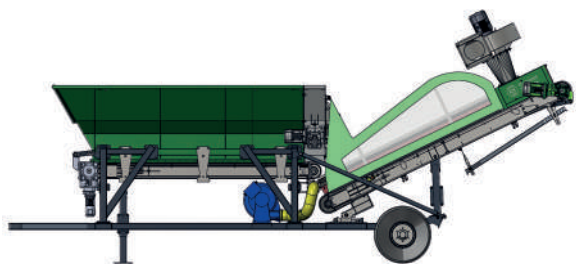


Mobile air separator

Flexible choice of location and efficient adaption.

Its mobility enables rapid and efficient integration into existing plants. The adaptability to virtually any screening machine is another advantage that underlines the flexibility of our system.

The electric drive unit of all components not only ensures maximum efficiency, but also enables precise adjustments. With an optional generator as additional equipment, our air separator becomes completely independent of external power sources, which offers you maximum flexibility in use.

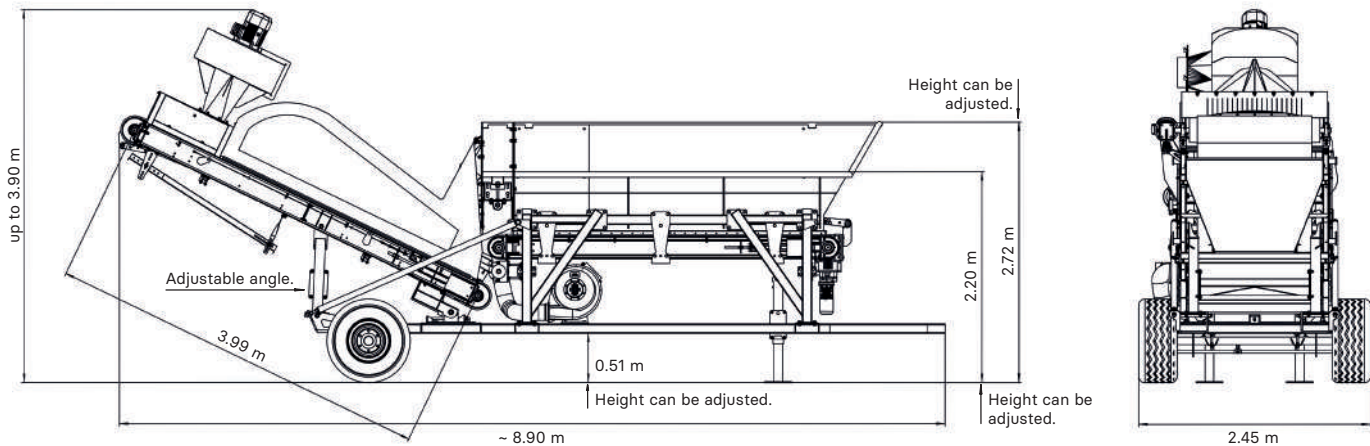


Mobile air separator sepcifications

Transport dimensions (W x L x H):	2.45 x ~ 8.90 x up to 3.90 m (height can be adjusted)
Transport weight:	~ 5 t (+ 600 kg with power generator)

Due to manufacturing tolerances and design changes, the specifications given may vary slightly. All data subject to change without notice.

Options:
Road traffic approval

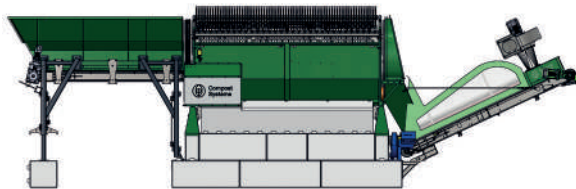


Stationary air separator

Complete solution including screening station.

Our stationary system presents a comprehensive solution with multiple separation stages.

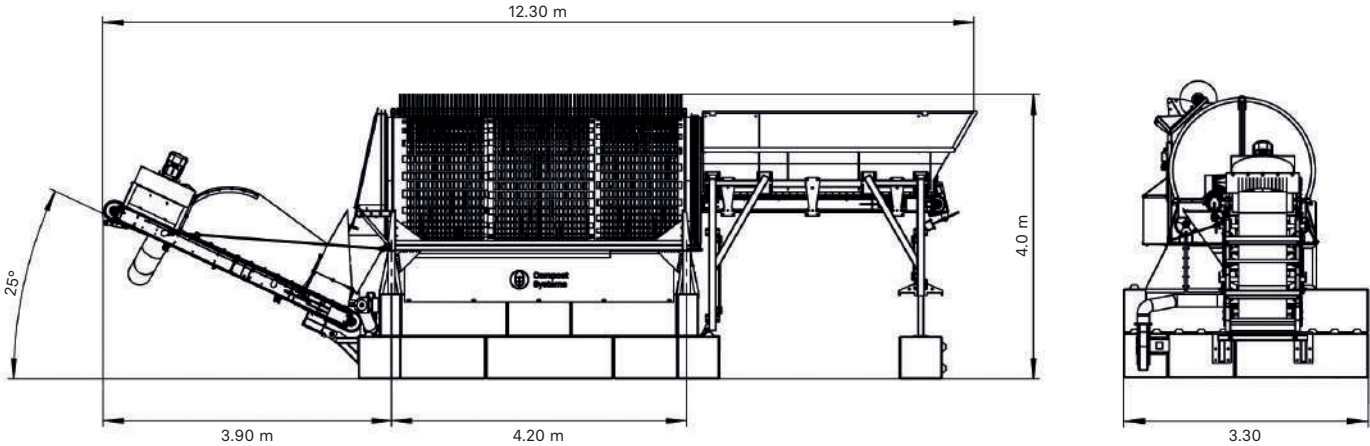
The screening station and the feed hopper form a well-thought-out overall concept that aims to make the process steps seamless and smooth. The new air separator conveyor completes the sorting process. We offer a complete solution that combines reliability and performance, especially for larger plants.



Stationary air separator sepcifications

Dimensions (W x L x H):	3.30 x 12.30 x 4.0 m (height is fixed)
Due to manufacturing tolerances and design changes, the specifications given may vary slightly. All data subject to change without notice.	

Scan for more details about our screening station





Compost
Systems

Made in Austria – Approved worldwide

As a leader in solutions for biological waste treatment, we have been working on high-performance and economical machine technology since 1987. Through many years of experience and relevant expertise, we have managed to produce Austrian quality products for efficient, material-friendly compost production. Whether in the gardening, agricultural or purely industrial sector - we provide you with suitable solutions.

Plant components

Compost covers

Machine technology

Container technology

Measurement technology

Compost Systems GmbH

Maria-Theresia-Straße 9, 4600 Wels, Austria

T +43 7242 350 777-0

office@compost-systems.com

www.compost-systems.com

ENGLISH version: April 2025.
Technical data and illustrations are correct at the time of printing.
Errors and omissions excepted. Subject to printing errors.