



MENART

**SSAM
COMPOST CLEANER**

MARS 2025

MENART.EU

MENART COMPANY



Since 1961, MENART has been designing, manufacturing and delivering equipment for the treatment and recycling of bio-waste and household waste worldwide: household waste recovery facilities; shredders; turners; screens, etc.

MENART equipment has proven its reliability and performance in a wide range of applications:

- household waste,
- green waste,
- sewage sludge,
- livestock by-products,
- sugar mill by-products (sugar cane),
- oil mill by-products (palm oil),
- agri-food by-products,
- hydrocarbon-contaminated soil

Visit our website www.menart.eu for more information.

THE SSAM

The SSAM is a cleaner designed to remove unwanted elements (stones, ferrous materials, plastics) from screening rejects after composting.



THE RANGE

Engine power		
Diesel version	kW/hp	36/48
Electric version	kW	37
Performances		
Capacity (max.)	m ³ /h	20
Particle size (max.)	mm	500
Plastic removal rate (max.)	%	70-90

PRESENTATION

Drive system

The SSAM is available in electric or diesel versions. An electric motor or diesel engine drives the hydraulic unit, which in turn drives the other components (conveyors, turbines, etc.).

The SSAM is mounted on a wheeled chassis for easy movement around the worksite. (The road-approved version is not yet available).

Operation

The SSAM is positioned behind a screen to clean sifting rejects.



diesel version



The screening rejects are discharged onto the first conveyor via a chute. This conveyor is equipped with a beater to distribute the material evenly across the entire width of the conveyor.



The first conveyor is equipped with an optional magnetic pulley to remove ferrous materials. These are discharged from underneath the conveyor via a slide.

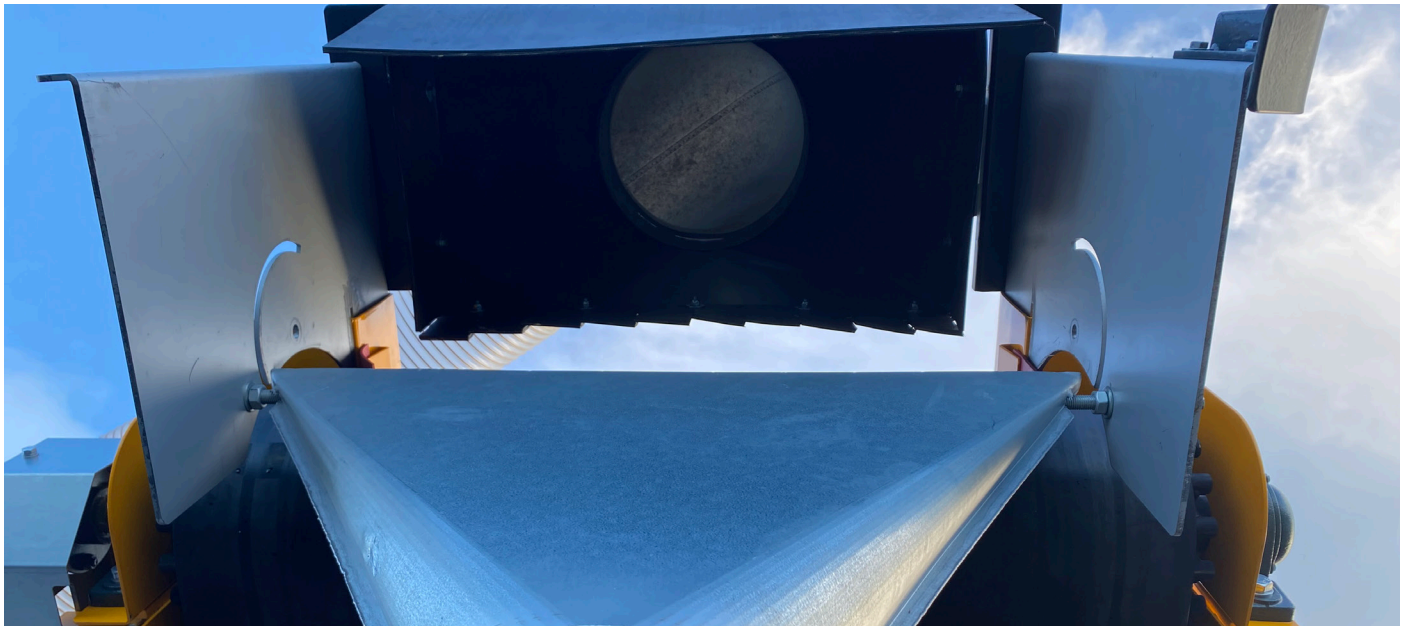
The material is then dumped into a second conveyor, known as a ballistic conveyor. Its angle of inclination and forward speed are adjustable. Heavy objects (such as stones) roll and fall through the bottom of the conveyor. Lighter objects (such as compost, wood and plastics) continue upwards. .



Conveyor #2 is equipped with a beater to lift the material and make it levitate. A first vacuum cleaner located just above sucks up the suspended plastic films.

The matter is then projected out of the conveyor. A second vacuum cleaner, located further away, takes advantage of the levitating matter to suck up light objects (mainly plastic). Heavy objects (wood, biomass) fall to the ground.

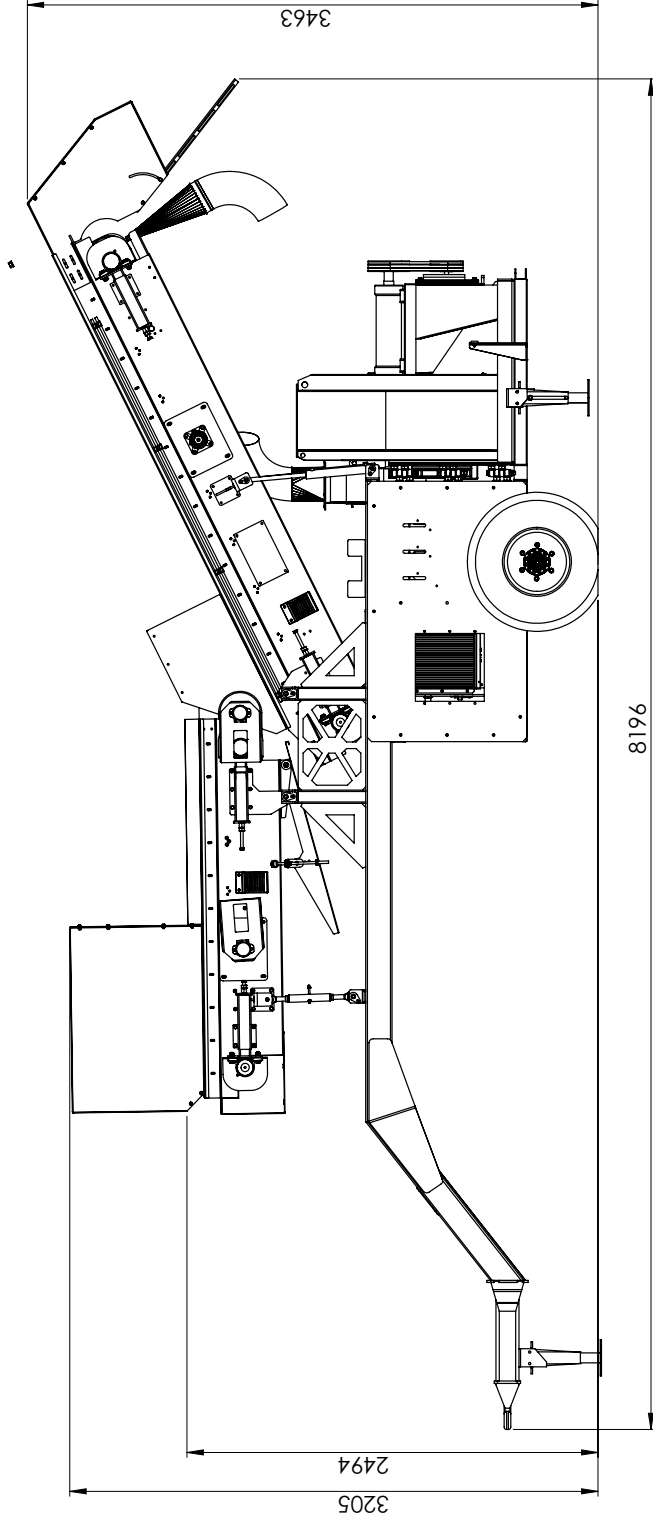
Optionally, a blower located under the conveyor head assists the vacuum cleaner to improve separation efficiency.



The output product (wood, biomass) will be free of as many unwanted elements as possible and can be returned to the composting process or sold.



PLAN ENCOMBREMENT



Numéro de pièce
SSAM_LD

Description

Modi 3D	Nom	Date	Informations plan		
Modi Plan	jwulpert	31/03/2025	Matériau	Echelle	Page
	jwulpert	31/03/2025		1:30	2/3
					Format
					A3



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TECHNICAL SHEET

Designation	unit	
Transport dimensions		
Length	mm	8169
Width	mm	2109
Height	mm	3205
Net weight (all options version)	T	4,3
Working dimensions		
Length	m	8196
Max. width	m	5150
Approx. height (depending on pipes)	m	4000
Tyres		
Engine power		
Diesel version	kW/hp	36/48
Electric version	kW	37
Performance		
Capacity (max.)	m ³ /h	20
Particle size (max.)	mm	500
Plastic removal rate (max.)	%	70-90
Feed hopper		
Loading height	mm	2494
Length	mm	1100
Width	mm	1100
Conveyor #1		
Length	mm	2300
Width	mm	1000
Speed range	m/s	0,7-1,4
Beater for spreading material		Incl.
Conveyor #2		
Length	mm	3500
Width	mm	1000
Speed range	m/s	0,7-1,4
Inclination range	°	15-25
Beater for suspending material		Incl.
Unloading height	mm	2900

Aerodynamic		
Vacuum flow rate 1	m ³ /h	11 000
Vacuum flow rate 2	m ³ /h	4000
Blower at the outlet of conveyor #2		option
Diameter of suction pipes	mm	350
Diameter of discharge pipe	mm	350
Diameter of blower pipe	mm	200