

# PLATEO

## NEXT-GENERATION COARSE SCREENING



# BENEFITS AT A GLANCE

## EFFICIENT AND FLEXIBLE FOR THE PUREST SCREEN FRACTIONS

Our PLATEO series of screens is versatile and separates recyclable materials with cut sizes between 50 and 250mm. A torque limiter integrated in each shaft actively prevents blockages and material ragging. This design also counteracts damage to the shaft and drive system.

The delivery of the outgoing fractions to the downstream sorting plant takes place continuously and over the entire working width.

Depending on the model and the parameters of the input material, the PLATEO screen series delivers outputs in excess of 60t/h\*, measured on a bulk density of 350kg/m<sup>3</sup>.

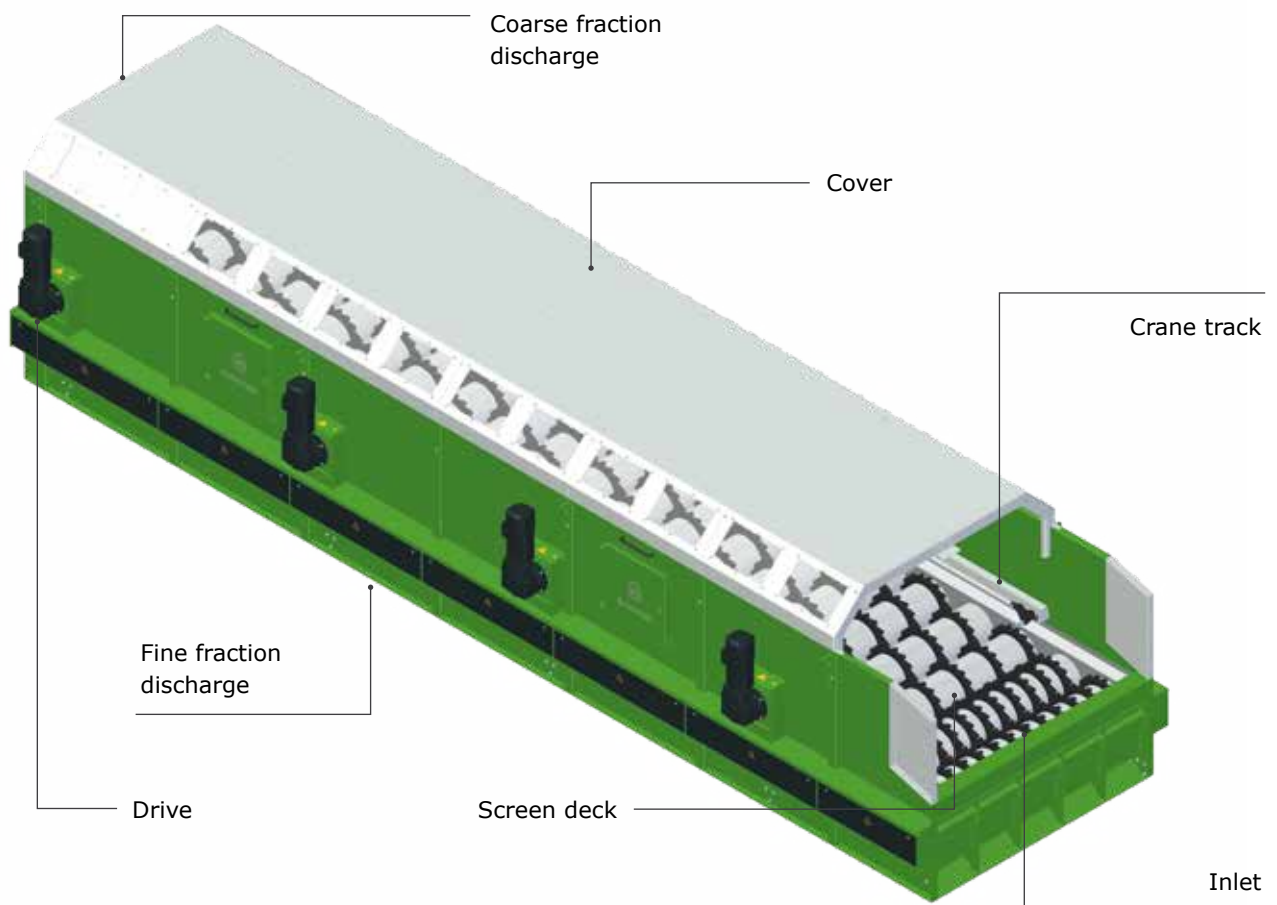
The robust and innovative design of the screen deck guarantees fault-free, low-maintenance operation and long-lasting optimization of the separation results.

### ROBUST:

Torque limiters on each shaft reduce the risk of damage to the motor, gears and shafts

### SAFE:

Overhead chain block for safe and simple maintenance



### EFFICIENT:

Increased capacity and separation quality with active prevention of material ragging and blockage

### INTELLIGENT:

Simple adaptation of the cut size/accuracy by replacing the shaft sleeves and adjusting the speed

# THE MULTI-TALENTED

RELIABLE. IN EVERY SITUATION.

PLATEO screens will not let you down. Whether it is used for household waste, industrial/commercial waste or organic and biological waste: PLATEO provides perfect separation results with maximum safety and efficiency.

## WHAT MAKES OUR PLATEO SCREENS UNIQUE

- » Large shaft diameter for maximum stability of the screen deck
- » Wide range of different shaft sleeves for simple adaptation of the cut size
- » Quick-change couplings on the shafts enable shaft replacement without disassembling gears and drives
- » Encapsulated design for maximum safety
- » Simple adjustment of the speed with regulation of frequency
- » Low-wear machine with optimal accessibility for maintenance work
- » Energy-efficient operation with high-quality drives, and maximum installed drive power of 4 x 5.5kW

## WHY PLATEO IS THE RIGHT SCREEN FOR YOU

- » Optimal adaptability to the material parameters provides the purest screen fractions; variation of the separation quality with the speed (frequency regulation)
- » With the continuous feed of the output material, sorting results can be improved for the long-term
- » Low operating costs due to reduced wear and efficient drives
- » Minimum plant downtime due to active prevention of material ragging and blockage
- » Easy handling and convenient access to all key components significantly reduces maintenance and cleaning work



TECHNICAL DATA	PLATEO 7000/...		PLATEO 9000/...	PLATEO 12000/...
	15	20	20	20
<b>Length</b> (screen-area)	7000mm		9000mm	10600mm
<b>Working width</b>	1500mm	2000mm	2000mm	2000mm
<b>Width</b> (exterior; excl. drives)	1980mm	2480mm		
<b>Design height</b>	2500mm			
<b>Design height</b> (excl. cover)	2000mm			
<b>Screen surface</b>	10.5m <sup>2</sup>	14m <sup>2</sup>	18m <sup>2</sup>	23m <sup>2</sup>
<b>Weight</b>	7.5t*	8t*	9t*	13t*
<b>Volume flow</b>	42m <sup>3</sup> /h	57m <sup>3</sup> /h	114m <sup>3</sup> /h	170m <sup>3</sup> /h
<b>Capacity at 350kg/m<sup>3</sup></b>	15t/h*	20t/h*	40t/h*	60t/h*
<b>Drive power</b>	2 x 5.5kW		3 x 5.5kW	4 x 5.5kW

\*All data in metric tons.

The output depends on the parameters of the process material and can vary accordingly.

## OUR ANAERGIA TECHNOLOGIES

We offer solutions for the following applications:

- » Pump Technology
- » Mixing Technology
- » Separation
- » Extrusion Technology
- » Screening & Sorting
- » Size Reduction
- » Organic Polishing
- » Conveyor Technology



**An ANAERGIA company:**

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