

The plansifter is a sorting machine which separates the product from various roller mills or other grinders. It moves circularly in a horizontal plane. The product always flows from top to bottom, from one sieve to another, on the path called sieve channel. Drizzling from top to bottom, only a part of product passes through the sieves, the rest remains on the screen cloth.



GRAIN  
MILLS



SELECTED  
INDUSTRIES

### GENERAL CHARACTERISTICS

- High specific throughput.
- Robust casing made of steel sheet.
- Sieves are designed in different executions for special product guidance inside the sifter.
- It is possible to get up to 4 fractions out of each sieve compartment by using optimal sieve area.
- Wear resistant coating of the surfaces coming into contact with product.
- Integrated sieve cleaning.
- Replaceable insertion sieves.
- Insertion sieves can be covered with silk cloth, wire cloth or perforated sheets.
- Mechanical tightening of the sieve stack, simple installation.
- ATEX conformity available on request.

### Application area

Separating the intermediate grinding products into different fractions in flour mills.

Post sifting of powder and control sifting of finished powder.

Sorting of granular to powdery products like special grain, wood fibres, rubber powder and others.

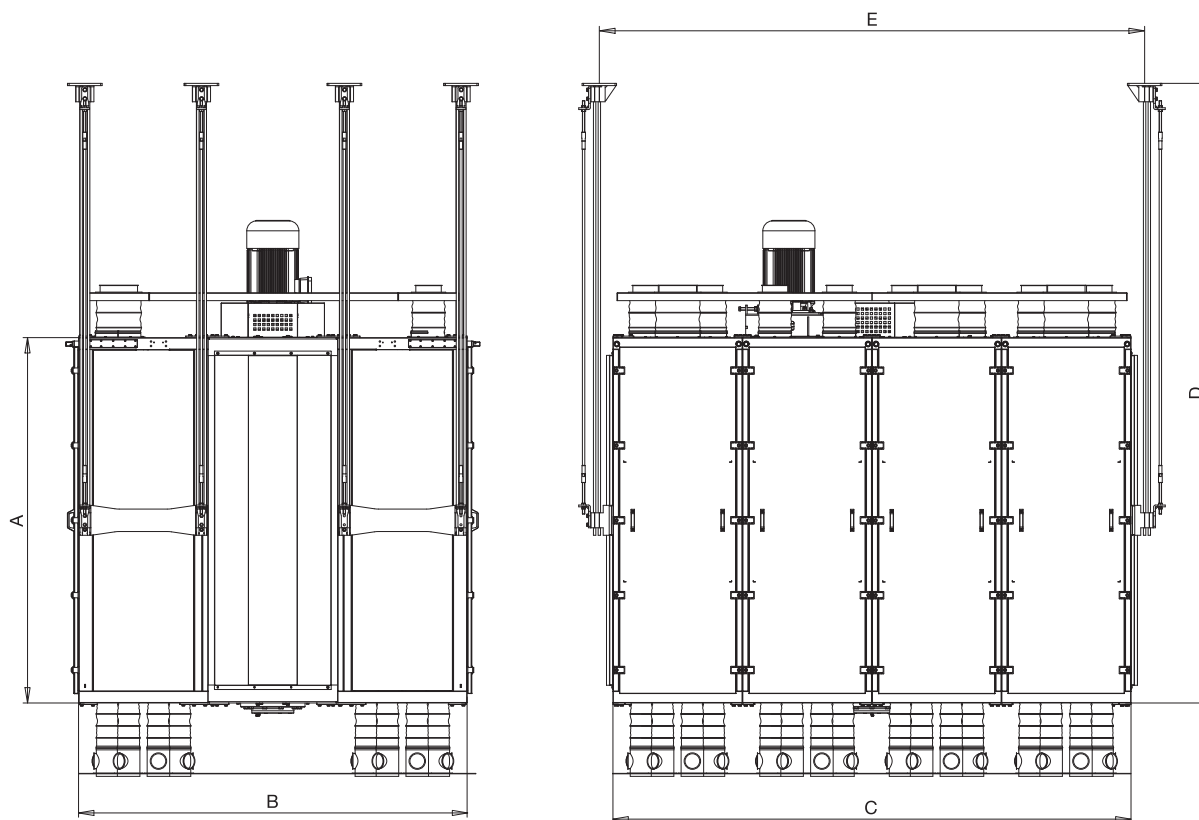
### Principle of operation

A centrifugal mass rotates inside the plansifter and generates a rotating lifting movement.

Modifications to the centrifugal mass will influence the rotating lifting movement and the sifting effect.

A relative movement between sieves and product is caused by the rotating lifting movement.

The separation of the products is affected by the relative movement between sieves and product and the mesh size of sieves.



The special mechanism is used to lift the lid, making the screen frames easily replaceable for one person.



The weight in the middle of the plansifter is responsible for the smooth circular motion driven by the motor above. Its design makes possible to add up to 10 modules any time.

Type	Detaching surface	Channels /screens	Motor power	Volume	Mass	Dimensions				
	net m <sup>2</sup>	n°	kW	m <sup>3</sup>	Kg	A mm	B mm	C mm	D mm	E mm
<b>PLS-04</b>	65,72	4/26-28-30	5,5	7	2900	2440	2595	1730	4140	1900
<b>PLS-06</b>	98,58	6/26-28-30	7,5	10,6	3500	2440	2595	2595	4140	2780
<b>PLS-08</b>	131,44	8/26-28-30	11	14	4100	2440	2595	3460	4140	3660
<b>PLS-10</b>	164,30	10/26-28-30	15	18	4700	2440	2595	3460	4140	3660

The data reported in this table are informative.

