

# Pre - cleaner drum SEMB



The pre-cleaner drum provides a high capacity pre-cleaning at bulk product reception before storage for all powdery products, cereals, etc...

The SEMB is essential in the corn drying storage facilities to remove most of cobs, leaves, stems, stones, etc...

It reduces the number of dryers cleaning operations and limits clogging significantly.

Installed downstream a cleaning line, it protects the handling equipment and lower the work load of the cleaners in order to maximize their capacity.

The SEMB ensures the removal of very small particles (dust in cereals) and undesirable large sized foreign materials.



**STOLZ**

*Du végétal à la vie*

[www.stolz.fr](http://www.stolz.fr)



# Pre - cleaner drum SEMB

## Features and options

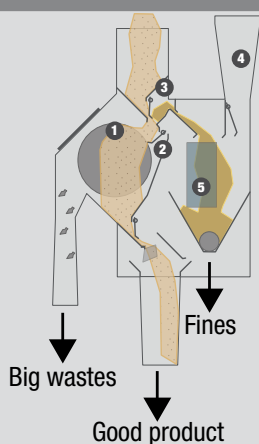
### Features

- Continuous operation without shocks.
- Inlet with dispatcher and pre-suction at upper part
- Size of sieve mesh according to use
- Feeding flap with adjustable slope.
- Suction channel catching the fine wastes.
- Expansion chamber collecting the light wastes
- Screw equipped with a check valve at the end

### Options

- Discharge hopper of good product, coarse and fine wastes
- Suction nozzle
- Possible damping bend at inlet for products to be treated
- Anti-filling sensor with probe
- Built-in pad filter
- Dispatcher for offset feeding with controlled flow rate

## Operating principle



The removal of large wastes is obtained from the good product passing through the mesh of rotary drum ①, from the outside to the inside of the drum. The size of the sieve mesh will be adjusted to your requirements.

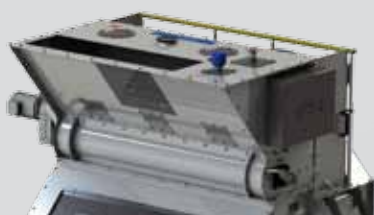
The rotary cylindrical sieve is fitted with an adjustable deflector ② and a rotary brush for cleaning. A wastes screw and a check valve are provided at the outlet.

③ the feeding flap has an adjustable angle with possible product by-pass.

The inlet is provided with a dispatcher, with pre-suction at the upper part to ensure maximum efficiency.

Such equipment is fitted with a suction duct ④ producing a strong airflow to bring the fine wastes to an expansion chamber ⑤, collected wastes are then discharged by a screw fitted with a seal valve at its end.

## The cellular dispatcher



In case of misaligned as it often occurs in existing plants, it is not always easy to bring the product in line with the pre-cleaner.

The cellular dispatcher is provided to supply the offset pre-cleaner while ensuring a perfect distribution of the product all over the SEMB drum width. In addition, it ensures a perfect flow regulation and the transit of foreign bodies to be discharged through a specific outlet

Type	Usual reached capacities							
	Wheat	Drycorn	Corn Moisture	Barley	Sunflower	Rapeseed	Soybean	Cocoa
	SW 0.75 H14%	SW 0.75 H15%	SW 0.73 H35%	SW 0.7 H12%	SW 0.4 H8%	SW 0.6 H12%	SW 0.7 H12%	
SEMB 750	200 t/h	170 t/h	130 t/h	180 t/h	160 t/h	180 t/h	120 t/h	60 t/h
SEMB 900	300 t/h	250 t/h	200 t/h	270 t/h	240 t/h	260 t/h	180 t/h	100 t/h
SEMB 1250	500 t/h	420 t/h	300 t/h	440 t/h	380 t/h	450 t/h	300 t/h	170 t/h