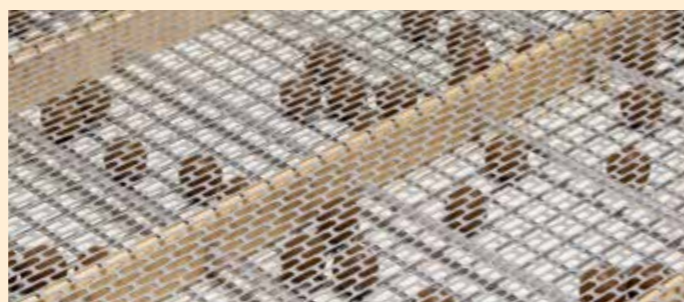## SIEVES SYSTEM

The sieve cleaning system allows for a precise cleaning process that is customized according to the type of product to be treated. Our sieves are built with speciar rubber spheres that allow an ever more efficient cleaning process.

The perforated plates are available with holes of various sizes and shapes, according to the process of cleaning required. The choice of the hole type is carried out depending on the type of product to be treated.

ZANIN-16-06-16

SOME TREATED PRODUCTS

Corn   Wheat   Barley   Soy   Sunflower   Rapeseed   Rice   Coffee

ZANIN
dal 1956

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TÜV SÜD
ISO 9001

ROMA

RIVENDITORE

ZANIN
dal 1956
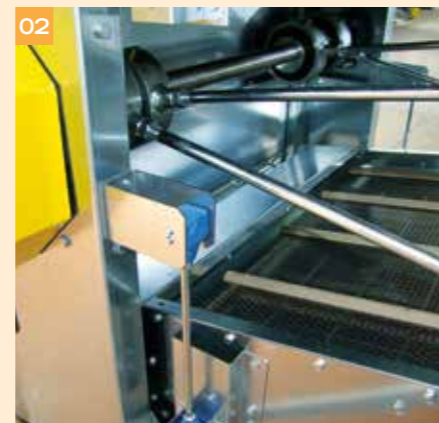
PSD CLEANER

a
agroindustria

SIEVE CLEANER PSD

PSD CLEANER

The sieve cleaner allows to separate fine, medium and large impurities present in the product or calibrate with a double-pass system.
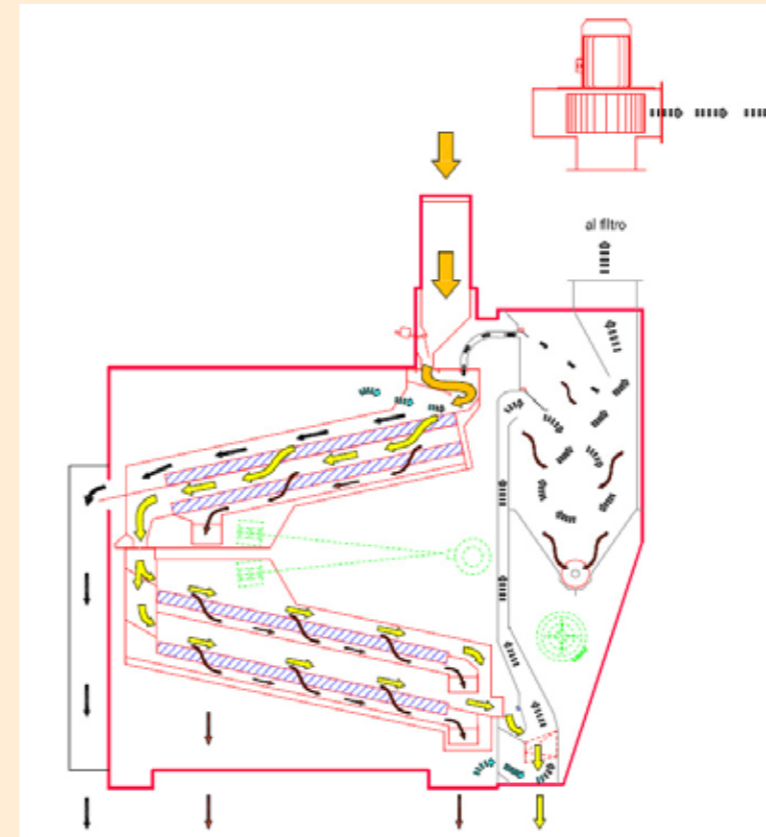
OPERATION:

Psd double pass cleaning system.

The product enters by way of gravity into a balance distributor with counterweights and is uniformly spread over the entire width. Subsequently it descends as an even curtain and encounters a cross air flow which removes the lighter parts (decanted by a cyclone or filter), and deposits part of the dust and heavier impurities in the decantation hopper, equipped with a reject discharge auger. The product, now clean from dust, enters the first case with two levels of perforated sieves. These separate the product according to the perforation size.

Into the lower sieve-holder product is being equally divided into two parts and each duct divides the good part of product from the fine impurities, according to the perforations.

As it exits, the desired product is evenly spread over the entire width of the plane, and as it descends in a thin curtain it again encounters a cross air flow. This removes any remaining dust and impurities still present within the product. The cleaning and calibration system allows the separation of 7 types of waste and by-products.

LEGEND

Product with impurities inlet	
Good product	
Heavy rejects outlet	
Fine impurities outlet	
Air	
Air with dust	

CONSTRUCTION

- Pressed and bolted support frame for large cases.
- Fairing on pressed galvanized sheets.
- Product inlet hopper with counterweight
- Carbon steel sieves cases.
- Dust suction plug with vertical positioning.
- Manual lock gate for air flow control.
- Carbon steel sieve cases (frame and frameholder) with cautschuk balls.
- Sieve movements through connecting rod

01 - Air-flow capacity regulation system
02 - Sieve moving rod
03 - Decanting unit waste outlet screw
04 - Product inlet hopper wtih counterweight

MODEL	PSD 60
Cleaning capacity t/h *	60
Sieve surface - m2	9
Sieve motor power - kW	3
Fan power - kW	7,5
Lenght - mm	3120
Width - mm	2150
Height - mm	3250
Empty weight - kg	2200

* capacity with wheat specific weight 0,78 t/m3 – RH 14% - 2% Impurities

OPTIONAL:

- Motorized roller distributor
- Motorized lock gates for air flow control
- Variable speed electric fan
- Antiwear sheet
- Switch board

- Vertical hopper for large impurities
- Inclined hopper for large impurities
- Collecting sector for by-products
- Support frame
- Bag placer

Warning: information is not binding, please refer to the technical documentation released directly by Zanin F.lli