

SOME TREATED PRODUCTS



Corn



Wheat



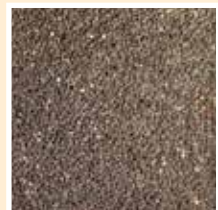
Barley



Soy



Sunflower



Rapeseed



Rice



Coffee

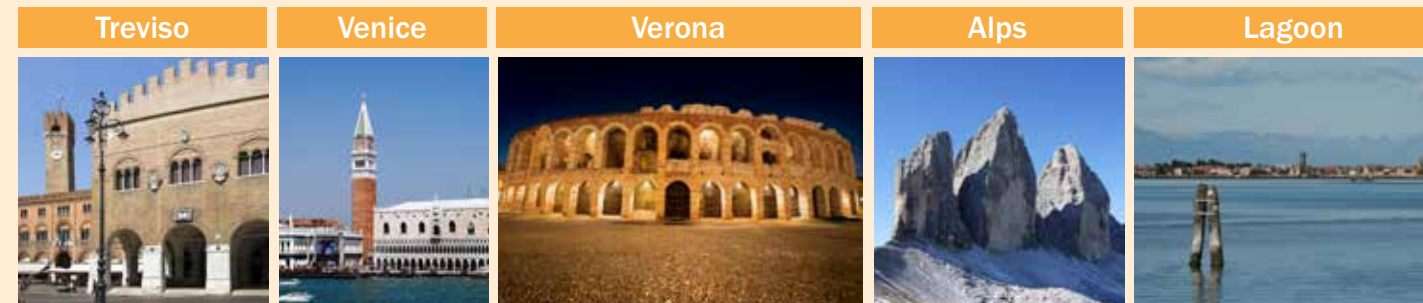
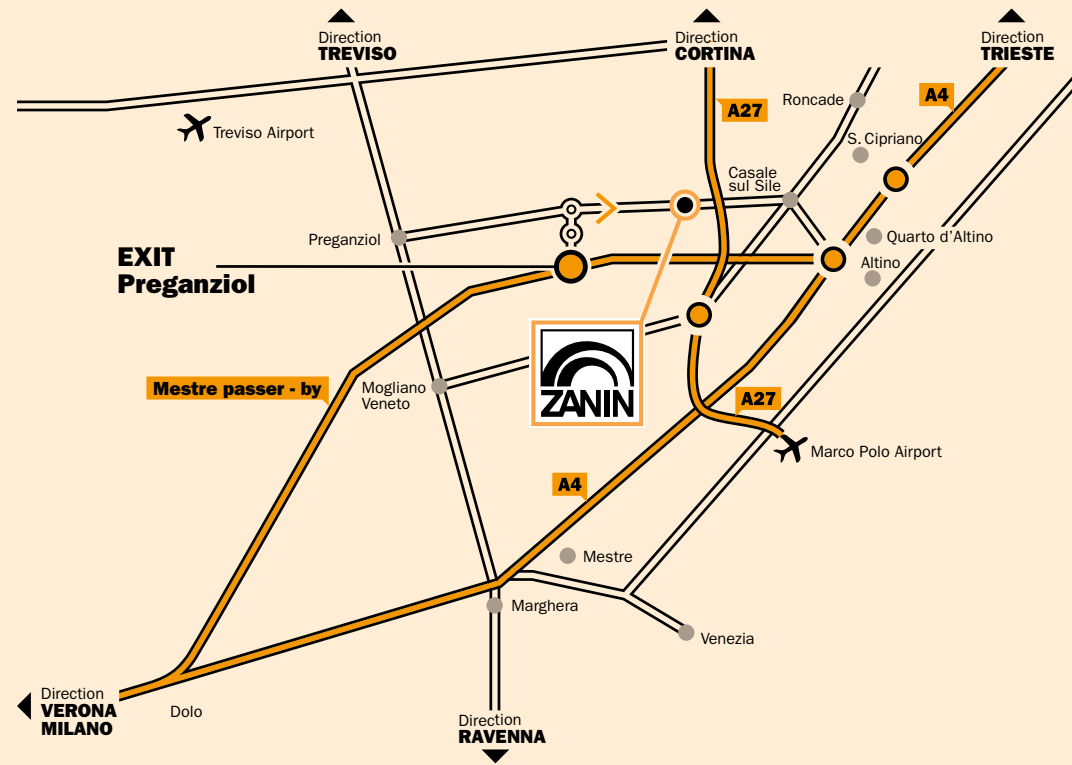
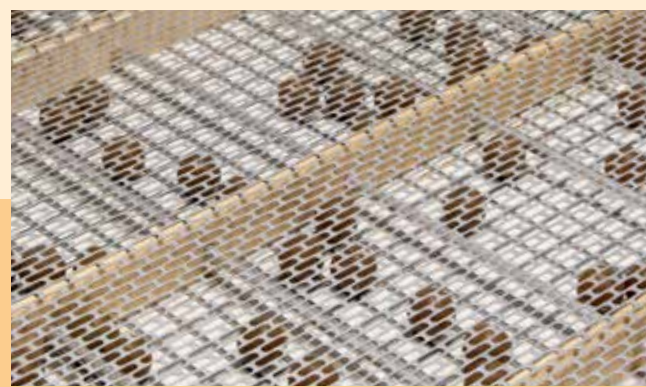
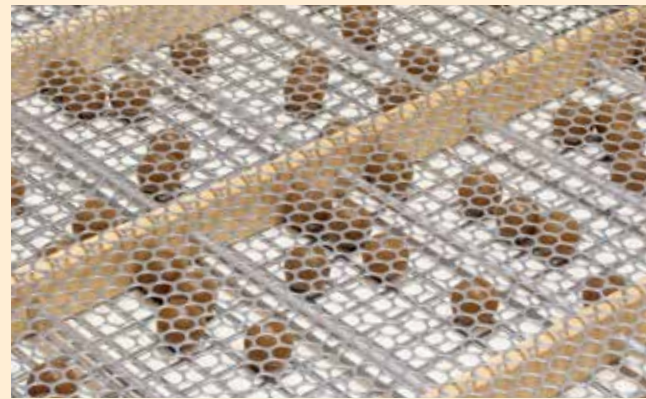
SIEVES SYSTEM



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 special 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.



Photos by Glauco Granatelli, Walter Coledan, Dicaprio Veronica, Didier Descouens, Maik-T. Šebenik



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PSS CLEANER



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RESELLER





PSS

SIEVES CLEANER AND SEPARATOR

The function of the sieve cleaner and separator is to separate accurately impurities present in the product. It is designed for the milling industry with demands for high performance per hour and reliability over the time.

OPERATION

The product enters by way of gravity into a counterweight distributor, and is evenly spread along the entire width. Subsequently it descends as a thin curtain and encounters a cross air flow, which removes the lighter particles by a first decanting in the aspiration decanter unit. After the first aspiration the product will be conveyed into two working casings with accurate separation from impurities or by-products, in accordance with hole perforation type. As it exits from casings, the desired product is uniformly spread along the width of the floors, and as it descends once again as a thin curtain it encounters a cross air flow. This removes the remaining dust and light bodies present in the product, that will be decanted in the aspiration decanter unit. Remaining light particles will be conveyed to a filtration system.

MANUFACTURING

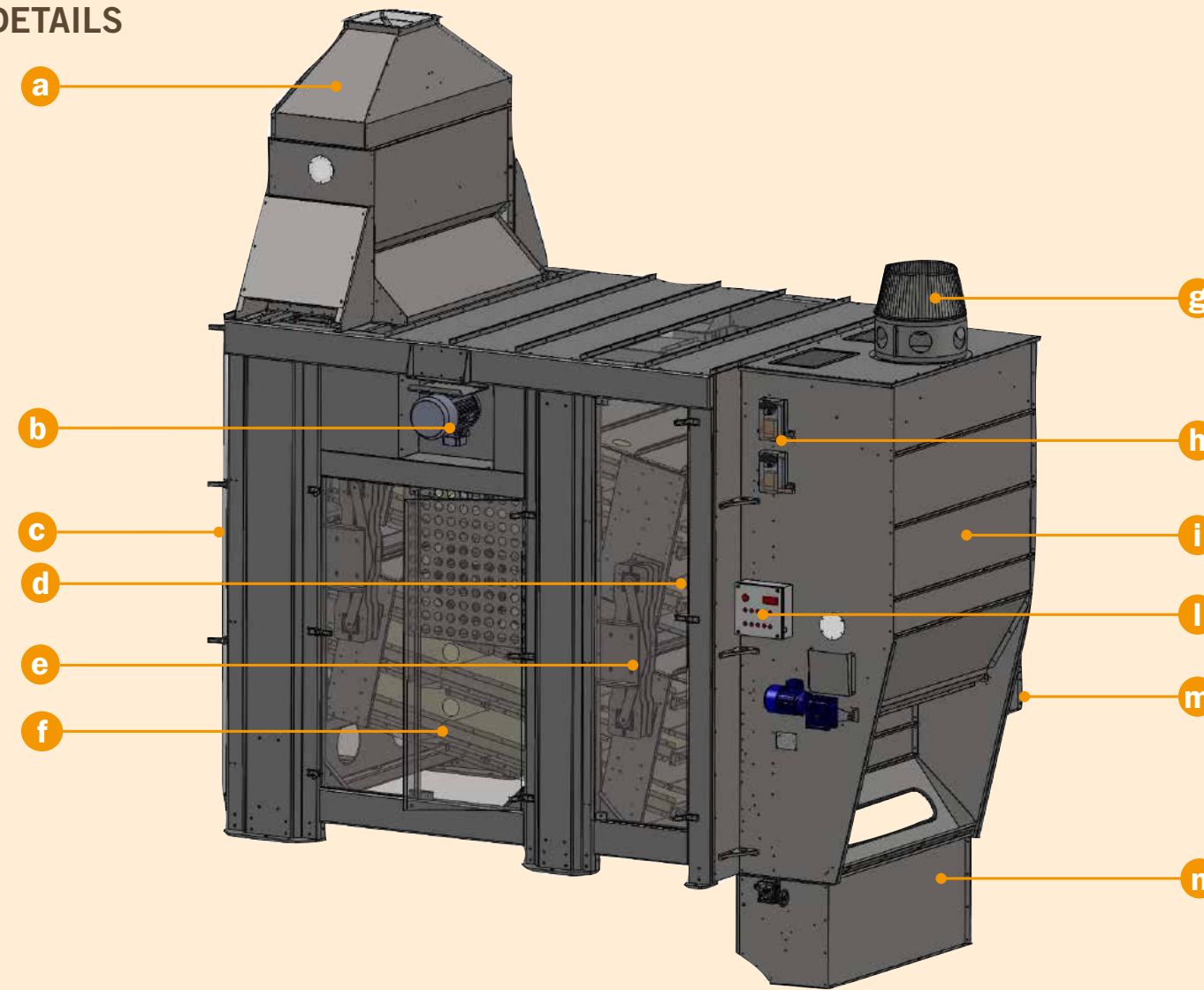
- Sieve casing supported by frame constructed with pressed thick metal sheet
- Entrance doors made of pressed metal sheet with heavy hinges and locking screws
- Sieve casings built in galvanized high strength sendzimir metal sheet, with bolted components
- Sieve holders and sieves in sendzimir galvanized metal sheet with wooden parts accompanied by groups of rubber spheres
- Channels (No. 3) for by-products conveying
- Combined handling system: eccentric rotation with damped suspensions
- Inlet product hopper with counterweight distributor
- Aspiration decanter chamber for dust suction with: servo-motors for air flow dampers adjustment, product flow retarder, by-products extraction auger, suction outlet
- Automatic locking system for malfunctioning
- Power panel on board of machine, optional inverter for casings handling and inverter for fan speed control)



OPTIONAL

- Variable sieves speed
- Variable aspiration speed

DETAILS

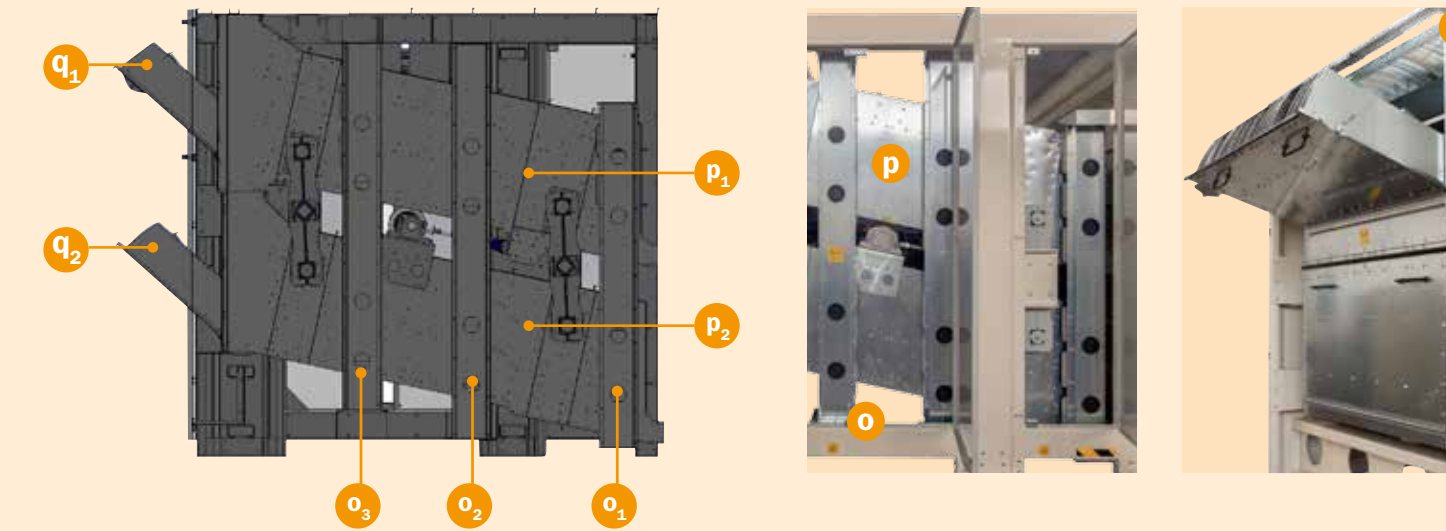


DETAILS

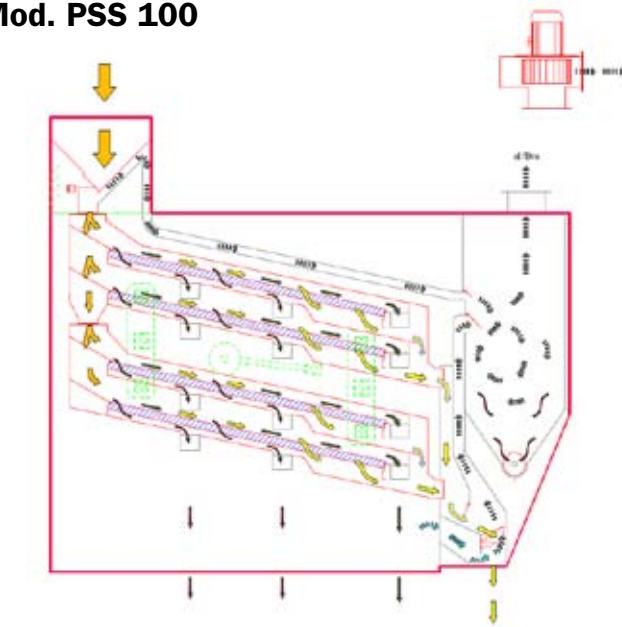
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|---|------------------------------------|----------------------------------|
| a) Distribution hopper with counterweight | e) Damping suspension group | m) By-product exhaust auger |
| b) Motorization group | f) Sieves line | n) Product flow retarder |
| c) Machine guard doors | g) Aspiration | o) By-product vertical conveyors |
| d) Eccentric rotation group | h) Auto-adjusting air flow dampers | p) Sieves casing |
| | i) Aspiration decanting chamber | q) Product separation channels |
| | l) Electrical control panel | |



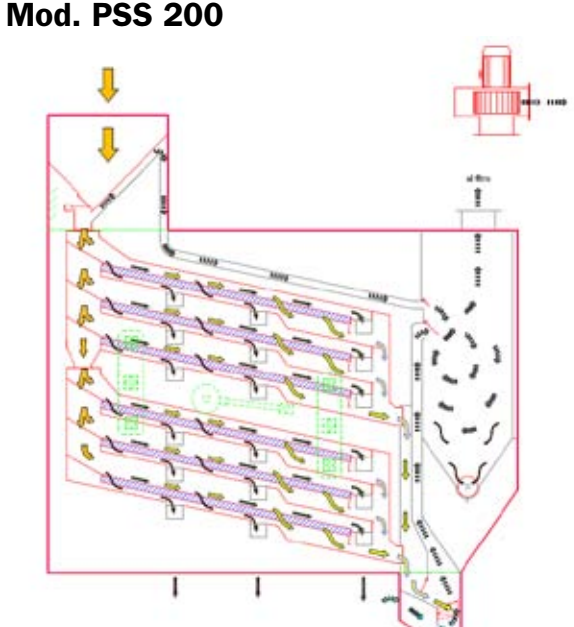
SIDE VIEW



Mod. PSS 100



Mod. PSS 200



MODEL		PSS 100	PSS 200
Pre-cleaning capacity **	t/h	100	200
Cleaning capacity **	t/h	70	140
Sieves surface	m ²	13,5	20,25
Sieve electrical power	kW	4	5,5
Distributor + Auger electrical pow. kW		1,1	1,1
Ventilator electrical Power	kW	11	18,5
Length	mm	3900	4150
Width	mm	2450	2450
Structure height	mm	2650	3000
Total height *	mm	3700	5200
Empty weight	kg	3650	5350

* Height with distributor hopper and flow retarder
 ** Capacity with wheat specific weight 0,78 t/m³. RH 14% - 2% Impurity

LEGEND

- Incoming product with impurities
- Thick impurities - straws
- Good product
- Thick waste
- Thin waste
- Air
- Air with dust