

Cleaner-Separator SNST



The operating principle of the SNST is simple and effective. The seed or other product comes by a dispatching device over the whole width of the sieve. The efficiency of screening is increased significantly by weighted rubber balls to ensure the cleaning of the whole working surface area without wearing screens.

The cleaning pipe is designed for an efficient, complete and immediate extraction and recovery of light parts: shells, hollow grain, light grain, broken kernels thanks to a counter-current air flow through grains falling onto a convex ramp called flow diverter.

This newly designed dust extractor-sifter-lump breaker combines the most reliable techniques.



Cleaner-Separator SNST

Features and options

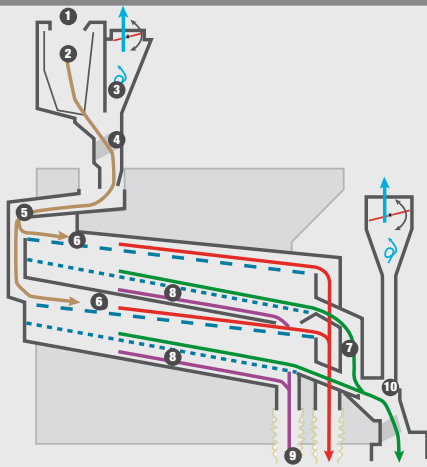
Features

- Continuous operation without shocks
- Suspended casing with circular movement for a better efficiency
- Coarse and screening sieves (quantity according to the type of the machine)
- Screening surface at 9°
- Lumpbreaking surface at 12°
- Weighted cleaning balls
- Motor power: 0.75 to 7.5 kW

Options

- Rotary feeder with air dust aspiration (DR)
- Cleaning pipe

Operating principle



The product introduced into inlet ① drops into a distribution trough ② balanced with counterweight then slides in layer into a suction duct ③ equipped with four diverters ④. The sifting module is subjected to a circular movement. It includes a spreading chamber followed by two sifting levels. The product goes through a spreading device with 2 levels ⑤ feeding the coarse sieves ⑥ tilted at 9°.

The residues are directed downwards and discharged through the exit ⑦. Then the product falls onto the coarse sieves ⑧ tilted at 12 ° to be collected at the good product outlet.

After passing through sieves, fine impurities are collected by cleaning bottoms and directed to the screenings outlet ⑨.

The sifter outlet feeds the cleaning pipe inlet in layer. The product slides under the valve ⑩ towards the duct.



SNST 550

Rotary feeder with air suction

Installed at the machine inlet, it is designed to spread seeds uniformly.

Fitted with an air intake to a fan, this duct provides a pre-suction of fines ahead the products using a counter-current air flow through seeds as they fall onto a convex metal ramp. These panels give access to the hopper and control the air inlet section adjustment.

Type	Usual reached capacities							Sieve surface
	Wheat	Drycorn	Barley	Sunflower	Rapeseed	Soybean	Cocoa	
	PS 0.75 H14%	PS 0.75 H15%	PS 0.7 H12%	PS 0.4 H12%	PS 0.6 H12%	PS 0.7 H12%		
SNST 550	50 t/h	40 t/h	40 t/h	21 t/h	27 t/h	28 t/h	14 t/h	4 m ²
SNST 1150	100 t/h	80 t/h	80 t/h	42 t/h	54 t/h	56 t/h	28 t/h	8 m ²
SNST 2150	200 t/h	160 t/h	160 t/h	84 t/h	108 t/h	113 t/h	56 t/h	16 m ²
SNST 3150	300 t/h	240 t/h	240 t/h	126 t/h	162 t/h	170 t/h	84 t/h	24 m ²
SNST 4150	400 t/h	320 t/h	320 t/h	168 t/h	216 t/h	227 t/h	112 t/h	32 m ²