

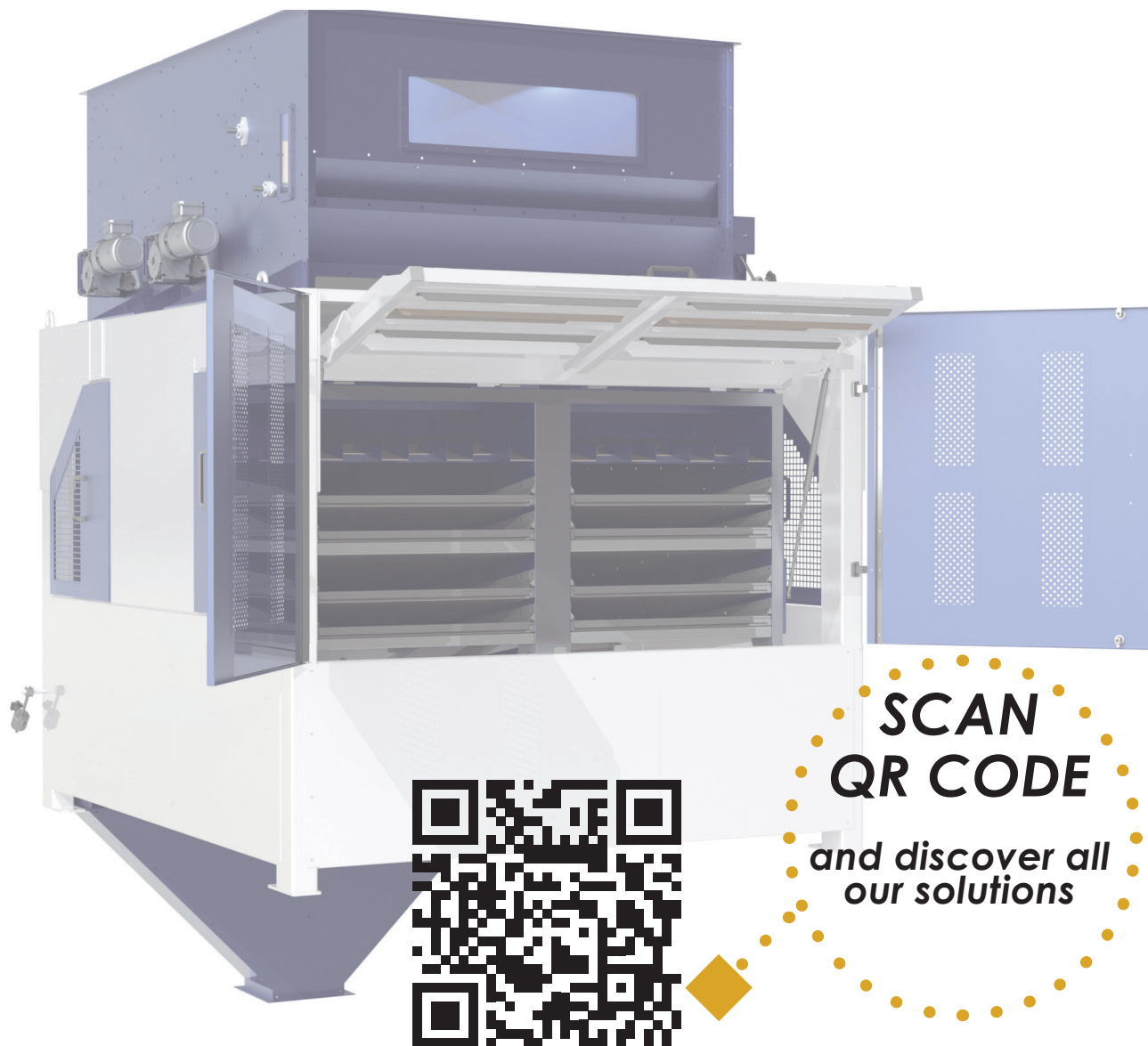


1868

SJC

SCHNEIDER JAQUET

A French Manufacturing Company established in 1868
Sorting, Calibrating and Sifting Solutions



SJC
SCHNEIDER JAQUET





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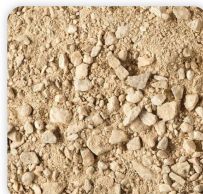
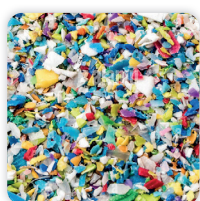
By offering innovative, high-performance and sustainable solutions, the men and women of Schneider Jaquet contribute to the recovery of bulk materials worldwide.

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ABOUT US

Schneider Jaquet is a 150 years' old company engineering machinery for sorting, calibrating and sifting solutions.

In addition with its production facilities, Schneider Jaquet has its own design office and thus provides its customers, in collaboration with installers or assemblers, with a solution adapted to their particular equipment needs. The design office also takes care of specific studies, development, improvement and innovation of our range of machines.



FRENCH MANUFACTURER

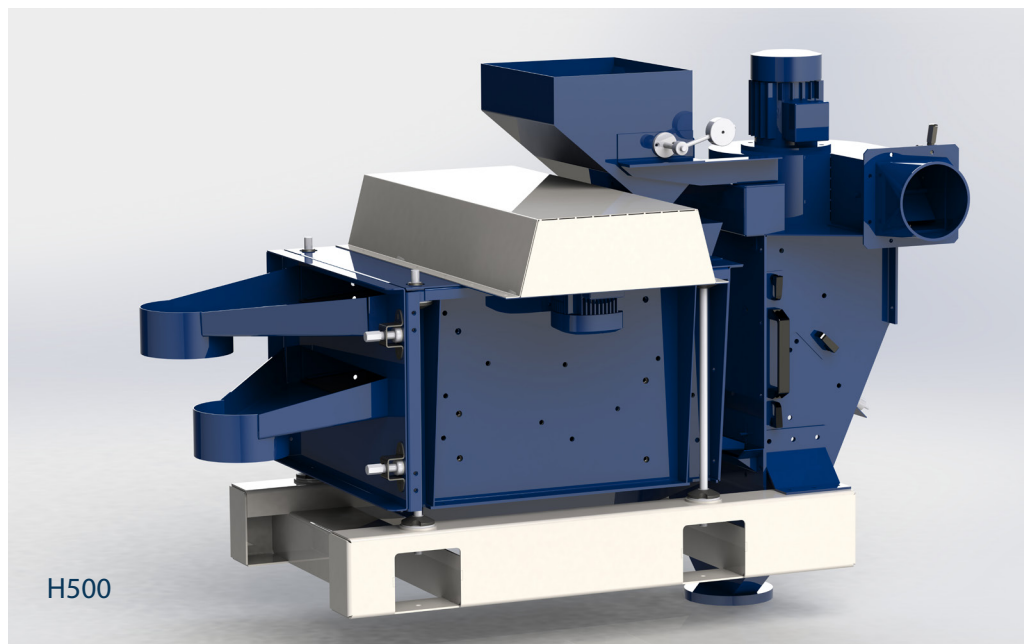


INTERNATIONAL PRESENCE



CLEANERS SEPARATORS

THE AGRICULTURAL RANGE



1 APPLICATION

The H500 cleaner separator is designed for multiple uses and meet all cleaning needs: from basic cleaning upon reception and before storing to very fine cleaning.

It has a 2.5 T/H flow rate based on wheat, for basic cleaning but will also be adapted to all type of cleaning and all type of grains and seeds: corn, oat, rapeseed, sunflower seeds...

It is especially appreciated in the milling industry, in seed companies, for farmers and for organic harvest.

2 OPERATION

1- The grain enters in an input hopper that spread the product in slick on the complete width of the machine.

2- It has one pre lumps breaker screen to remove an important part of big waste allowing a better distribution and cleaning on the second and the third levels of screens. It also prevents the clogging of other screens.

3- The second level of screen, by crossing of the good product, hold the big waste or the superior grades to conduct them to big waste exits.

4- The third level of screen that hold the good product and conduct it in slick to the aspiration at the output that allows the extraction and the efficient, total and immediate recycling of the light waste: shells, hollow grains, light grains...

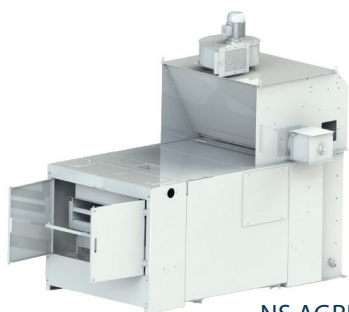
Thanks to its turbine, the H500 is autonomous in aspiration.

Model	Flow rate* (TH)	Surface area of screens (m²)	Dimensions (mm)			Weight (kg)	Power (kW)
			Length	Width	Height		
H500	2,5	1,12	1 508	926	1 101	250	0,37

* Pre cleaning flow rate based on wheat, bulk density 0.75, moisture 14%, containing 6% impurities at the input.

CLEANERS SEPARATORS

THE AGRICULTURAL RANGE



NS AGRI 50

1 APPLICATION

The NS AGRI 50 cleaner separator is designed for multiple uses and meet all cleaning needs: from basic cleaning upon reception and before storing to very fine cleaning before shipment. It operates on the basis of planetary movement, recognized as allowing better distribution of grains all over the sifting surface and thus enhancing the flow rate and yield.

2 OPERATION

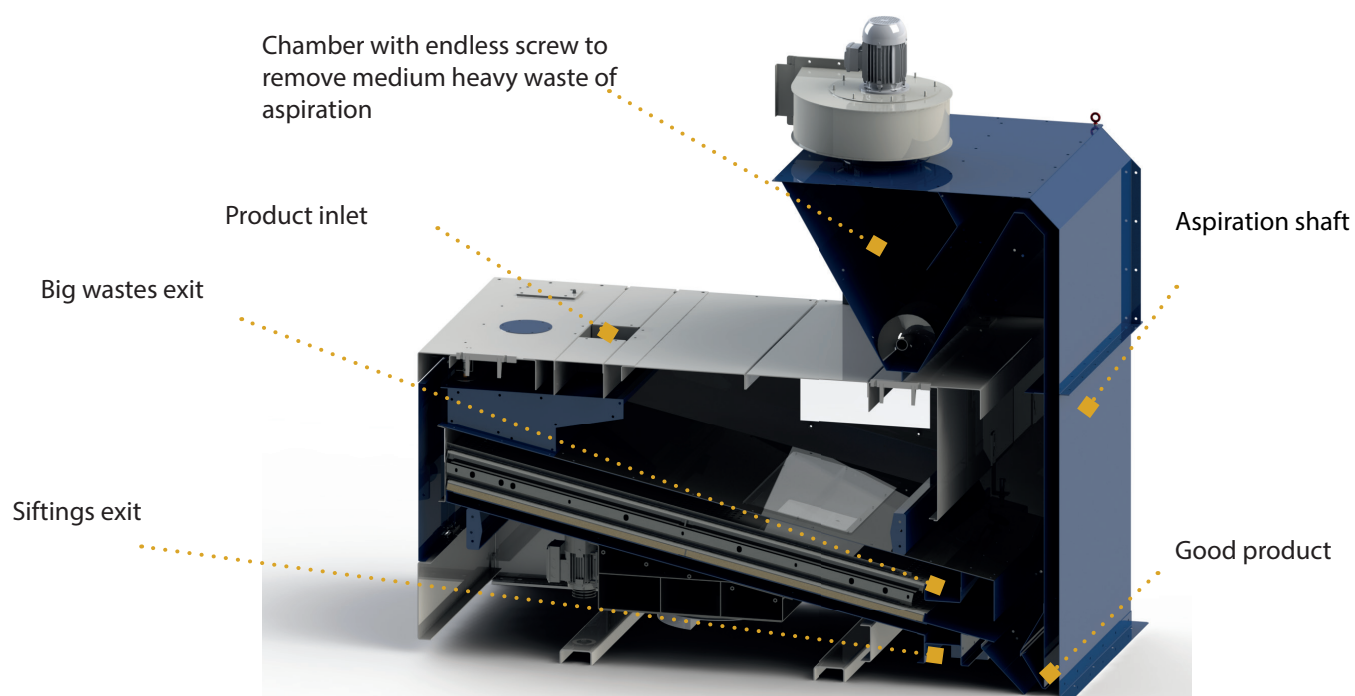
1- The grain enters and is distributed in slick on the complete width of the machine.

2- It has two lumps breaker screens, which, by crossing of the good product, hold the big waste or the superior grades to conduct them to big waste exits.

The good product falls on two crumbling screens that allow the separation of the small waste (crumbling) to conduct them to the crumbling exit.

3- The product is conducted in slick to the aspiration at the output that allows the extraction and the efficient, total and immediate recycling of the light waste: shells, hollow grains, light grains, cracks, by the crossing of air that passes counterflow through a cascade of grains.

- De-gumming balls are used to unclog the screens



Model*	Flow rate* (T/H)	Surface area of screens (m ²)	Dimensions (mm)			Weight (kg)	Power (kW)
			Length	Width	Height		
NS AGRI 50	50	4	2 670	1 895	2 046	1 580	0,75

*Pre cleaning flow rate, based on wheat, bulk density 0.75, moisture 14%, containing 6% impurities at the input.

CLEANERS SEPARATORS

THE INDUSTRIAL RANGE



SNST 100H V111

Models	Flow rate* (T/H)	Surface area of screens (sqm)	Dimensions**(mm)			Weight (kg)	Power (kW)	Chamber screw power (kW)
			Length	Width	Height			
SNST 50	50	3,6	3 240	2 035	2 640	2 210	0,75	2x0,55
SNST 100	100	7,2	3 189	2 620	2 815	3 480	1,1	2x0,55
SNST 100H	100	7,2	3 250	1 950	3 029	2 600	1,1	2x0,55
SNST 200	200	14,5	3 244	3 182	3 229	4 200	1,5	2x0,55
SNST 300	300	21,6	3 294	3 182	3 621	4 900	2,2	2x0,55
SNST 4150	400	32	4 003	3 590	4 040	8 110	7,5	

* Pre cleaning flow rate, based on wheat, bulk density 0.75, moisture 14%, containing 6% impurities at the input.

** V111 version

1 APPLICATION

The cleaner separator of Schneider Jaquet is designed for multiple uses and meet all cleaning needs: from basic cleaning upon reception and before storing to very fine cleaning before shipment.

2 OPERATION

Schneider Jaquet cleaners operate on the basis of planetary movement, recognized as allowing better distribution of grains all over the sifting surface and thus enhancing the flow rate and yield.

This type of crumbler-sifter-screener-scrubbler best reconciles the most reliable methods currently available on the market for this task. This equipment is made of a suspended box operating on the basis of planetary movement by eccentric masses, driven by a vertical shaft and a low-power consumption engine.

1. The grain enters a distributor which spreads the product in a slick over the entire width of the machine.

The product slick is crosses by an air flow allowing a first cleaning by suction to optimize the work of sieving part.

2. It contains lump breaker screens which, by passing through the good product, retain the big waste or larger sizes and direct them to the coarse waste outlet.

The good product falls on siftings screens allowing the separation of siftings wich are directed towards the sieve outlet.

3. The good product thus sifted is then conveyed in a sheet towards the outlet suction which allows the efficient, total, and immediate extraction and recovery of the light parts: shells, hollows grains, light grains, cracks, by the passage of are in counter-current through a cascade of grains.

- Declogging by degumming balls.

NEW

Optional plug-in communication

- **Memorisation of the desired settings** for automatic adjustment of the distribution and air flaps
- **Machine safety management** : direct management of safety sensors by the machine

3 ADVANTAGES



Reduction of the moving part's weight : 30% lighter than the previous generation



Increased access



Aeraulic

- Optimized air distribution thanks to innovative work on air circulation



Fully enclosed equipment

- Respect of the CE standard
- Operators safety



Optimization of the surface area of screens



Low maintenance costs



Evacuation of light waste in stainless steel

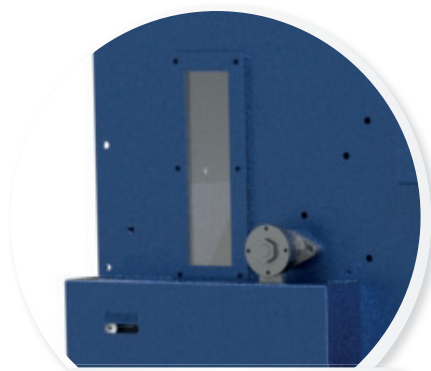


Visual access highly increased

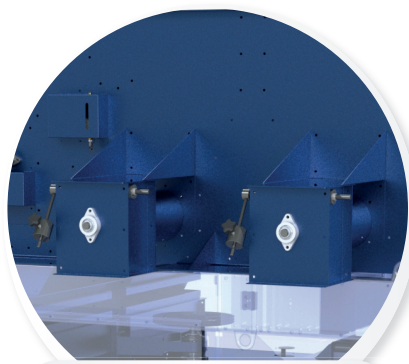


Implementation

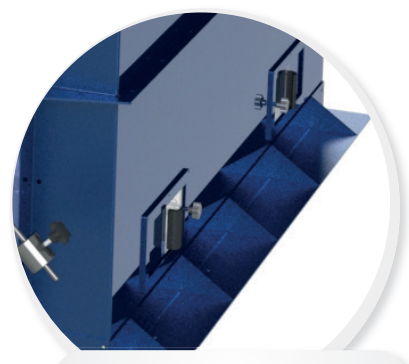
- Low dynamic loads
- Access to all settings at ground level



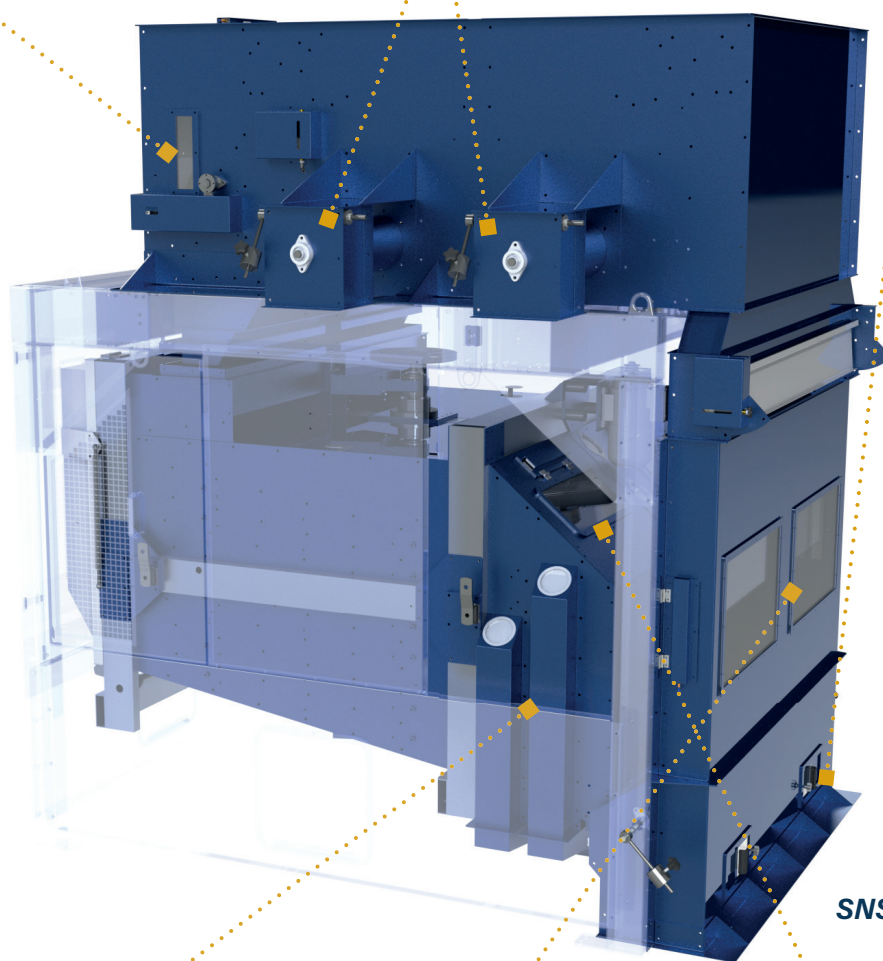
Visual access to distributor



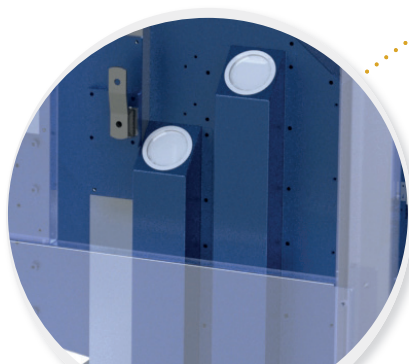
Access to medium-heavy aspiration waste



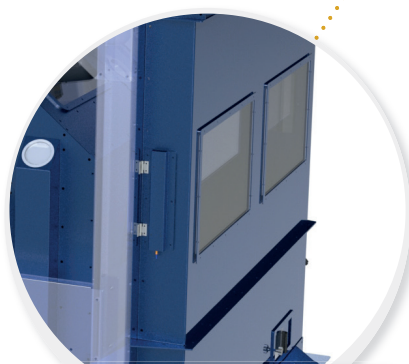
Access to good grain, product



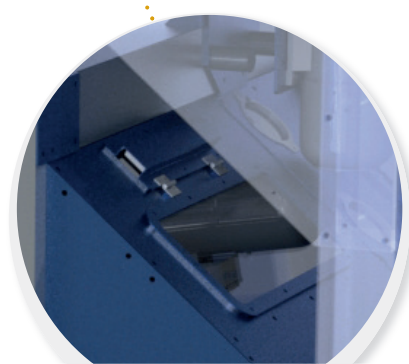
SNST 300 V111



Access to large waste and siftings



Visual access to the aspiration waste

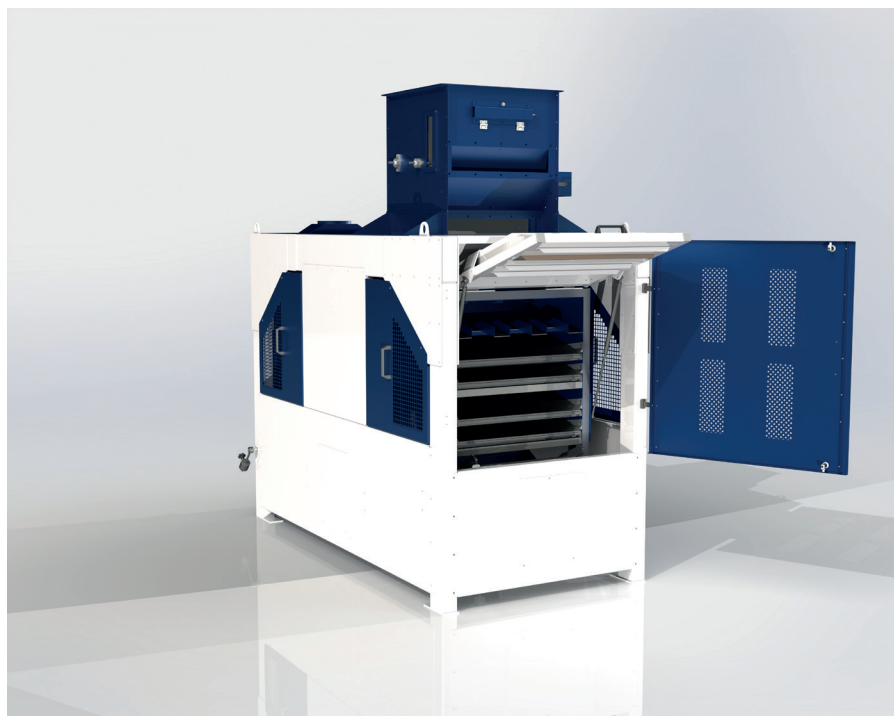


Visual access to first level lump breaker screens

DISPATCHER		ASPIRATION SHAFT		CHAMBER	
1	2	1	2	1	0
Flap : It distributes the product over the width of the cleaner to spread the product in slick cleaning at the beginning of the process. As in the case of the suction shaft, a purification is made by crossing of air passes counter flow through a cascade of grain.	Rotary : It has the same general characteristics as a flap dispatcher. It is used to regulate the general flow of the installation	Fixed: It allows a second purification at the end of the cleaning process. An air flow goes through the product layer and captures the waste.	Adjustable: It improves the aspiration settings thanks to its articulated flaps. It is recommended when a precise cleaning is required.	Double chamber : It recovers the medium-heavy waste from the suction. It protects the aspiration system and reduces the wear and maintenance of filters and pipes of the installation	Without chamber

SNST 100 H VERSION XXX

Model



Example : SNST 100 H V110 with flap dispatcher, fixed aspiration shaft, without chamber

SCALPERS

1 APPLICATION

The rotary pre-cleaner can be used for scalping and aspiration of grains, pulses and oilseeds dry or wet. Its new generation design ensures optimal operation and adjustment in complete safety.

It removes most of the stalks, leaves, stems, stones, etc... and thus reduces the internal cleaning of the dryers by reducing their clogging.

Positioned at the beginning of cleaning process, it protects and facilitates the work of all the equipment located downstream. This increases the efficiency and the life span of the equipment.

In most cases for the high capacity intakes, its effectiveness is enough to ensure a good conservation of the storage while waiting for a more precise cleaning.



ER2

2 OPERATION

1. The raw material falls into a buffer reserve. The level of this reserve is regulated by means of an externally adjustable dispatching flap. It is important to maintain an optimal product depth to ensure that the product is distributed evenly over the drum in order to maximize the throughput.

2. The product thus distributed in slick is evenly distributed on the sorting drum. The coarse waste is directed to the exit. The unclogging of the drum is achieved by a rotating brush. After passing through the drum, the product is conducted to the aspiration duct to remove lighter impurities.

3. The good product falls into a suction column equipped with a flap which avoids air losses. It is also equipped with an additional air intake which avoids any disturbance of the air network. It guarantees an optimal final result.

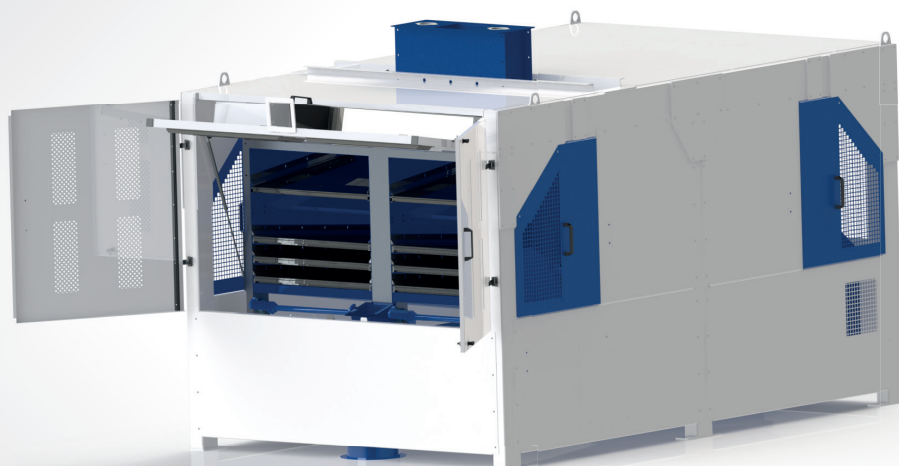
4. The light wastes aspirated in by the aspiration duct falls back into the expansion chamber by gravity and are evacuated laterally with the help of an auger. The thin dusts are evacuated by the aspiration system.



- Additional air intake
- Purifying efficiency
- Stainless steel option

Models	Flow rate (T/H)	Dimensions (mm)			Power (kW)		
		Length	Width	Height	Drum engine	Chamber screw engine	Brush engine
ER 1	100	2 384	2 235	2 753	1,5	0,55	0,25
ER 2	200	2 384	2 885	2 753	1,5	0,55	0,25
ER 3	300	2 682	2 885	3 151	1,5	0,55	0,25

SIFTERS



SNST 3312



- Suitable for specific and demanding products
- Up to 200 microns

1 APPLICATION

Schneider Jaquet sifters are designed for multiple uses and meet many different needs in terms of sifting or specific product separation.

Schneider Jaquet sifters can separate products in 2 to 4 cuts (gradings) and are already used in the following applications:

- Sawdust
- Soy flour
- Animal flour

2 OPERATION

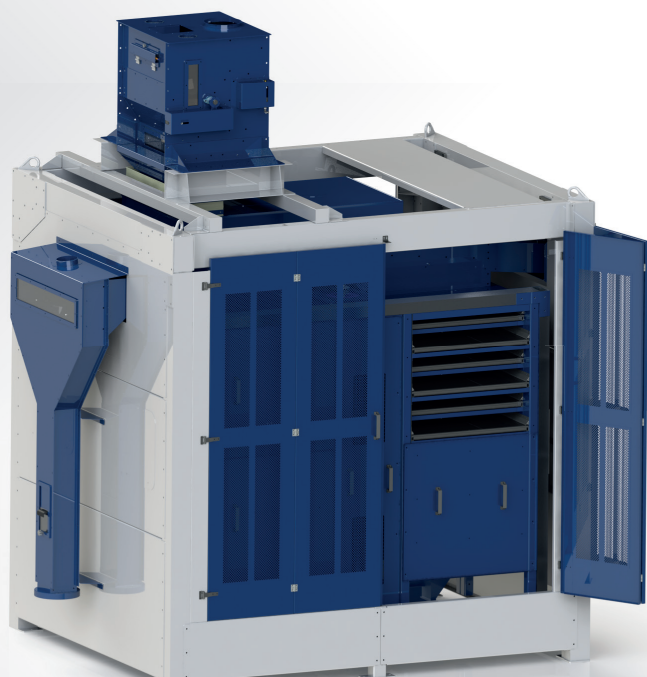
Schneider Jaquet sifters operate on the basis of planetary movement, allowing better distribution of grains all over the sifting surface and thus enhancing the flow rate and yield.

Compared with Schneider Jaquet cleaners, sifters have 3-meter long screens and a gentler slope, allowing longer cycles on the sifting surface.

3 TECHNICAL CHARACTERISTICS

Models	Flow rate (t/h)	Number of cuts	Dimensions (mm)			Weight (kg)	Power (kW)
			Length	Width	Height		
SNST 106	6	2	3 528	2 364	2 282	2 570	3
SNST 112	12	2	3 539	2 459	2 717	2 760	3
SNST 212	12	3	3 851	2 568	2 282	2 915	3
SNST 224	24	3	3 729	2 575	3 377	4 330	4
NST 1133	9	4	3 916	1 648	1 882	2 500	1,5
SNST 3312	18	4	4 214	2 364	2 317	3 230	2.2

CALIBRATORS



CALIBRATOR 712S



- Users safety
- Easy installation thanks to tubular frame
- Maintenance access
- Lightweight doors
- Separated balls racks and screens
- Optimisation of the wearing part's maintenance costs

1

APPLICATION

Schneider Jaquet's calibrators are built on the basis of a planetary movement. The grains pass successively over the sieves, which are divided into 2 boxes.

2

OPERATION

Schneider Jaquet's calibrator is designed to separate grains of different sizes using several screens that are operated with planetary movement.

Smaller sized grains do not have the same germinating capacities as bigger sized grains, so calibrating is necessary. This machine is used in storage facilities, processing plants and malt factories.



- Quality and flow optimisation
- Robustness, reliability
- Easy to maintain
- Low maintenance costs
- Compact machines



CALIBRATOR 412S

3

TECHNICAL CHARACTERISTICS

Models	Flow rate (T/H)	Surface area of screens (sqm)	Dimensions (mm)			Weight (kg)	Power (kW)
			Length	Width	Height		
412S	40	27	3 500	2 000	2 282	2 750	4
712S	70	43	4 066	2 740	3 268	6 950	7,5

■ SCRUBBERS

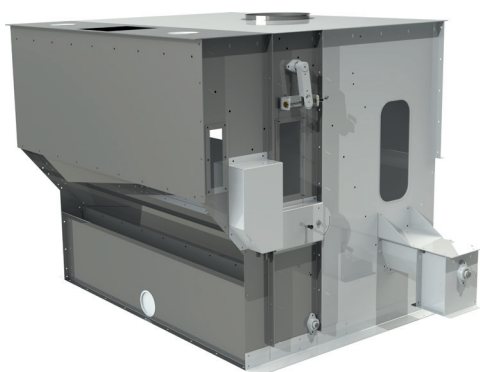
1

APPLICATION

Our scrubbers can be used on all types of product, wet or dry, requiring cleaning by suction.

Its new-generation design ensures optimum operation and adjustment in complete safety. Its grain passage section is made entirely of food- grade stainless steel, making it a versatile and robust piece of equipment with a sliding ability that limits excessive cleaning.

The whole unit has been designed using the latest computer tools, enabling extremely precise calculations to be made on both mechanical resistance and air flow analysis.



EP3 V111

2

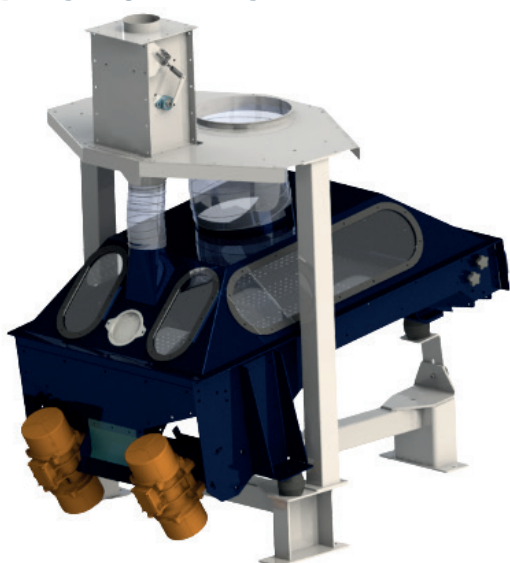
OPERATION

1- The raw product falls into a buffer tank. The level of this reserve is regulated using a distribution flap, which is itself adjustable using an external control. It is important to maintain a satisfactory level of grading to ensure optimum suction. The product thus distributed falls into a suction column fitted with an adjustable flap that regulates the air speed in this column. Adjusting the air speed does not disturb the overall suction network, as all our scrubbers are equipped with additional air intakes.

2- The air loaded with dust and light waste is guided towards the expansion chamber. On entering this chamber, the air undergoes an expansion, the speed decreases and the light particles fall to the bottom of the chamber fitted with an endless screw. This extracts the dust from the chamber towards a valve box. The air, freed of heavy and medium-heavy particles, is returned to the site's centralised extraction network.

Models	Flow rate (T/H) on wheat
EP1	100
EP2	200
EP3	300

■ DESTONERS



Models	Flow rate (T/H)
TE 10	10
TE 15	15

1

APPLICATION

Destoner is a cleaning machine designed to separate grains from stones of equivalent size. In the case of a «very careful cleaning» implementation, destoner will come after a cleaner-separator that removes the fine and coarse waste from the circuit.

2

OPERATION

The operation of the SJC destoners is based on the separation by density. The product, by gravity, descends to the outlet chute, while the stones, of higher density rest on the cloth, rise in jolts thanks to the vibrating motor.

■ DENSIMETRIC TABLE

1

APPLICATION

Schneider Jaquet's densimetric table is designed to separate grains that are similar in shape and dimensions, but different in density

2

OPERATION

Grains are lifted in an air flow. Denser grains remain closer to the table and are shifted toward certain exits, while lighter, damaged, shrivelled, pest-infected or broken grains remain in suspension and are shifted to other exits.

- Flow rate: 15 T/H on wheat.

**NEW GENERATION
COMING SOON**



5 settings :

- grain flow rate
- vibration speed
- Longitudinal and lateral tilt
- Suction power

■ HUSKERS



1

APPLICATION

Schneider Jaquet's huskers are friction machines designed for the fine cleaning of most grains and seeds.

2

OPERATION

Friction is performed by a rotor equipped with pushers, threshers or brushes that spin inside a cylinder with different grit sizes depending on the purpose. Different types of threshers or pushers are available with the brushes, making the machine adaptable to different applications.

Models	Flow rate (T/H)
SEDA 45-80	2,5
SEDA 62-120	8
SEDA 62-180	13

■ NOTES

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A French Manufacturing Company established in 1868
Sorting, Calibrating and Sifting Solutions

Since 1868, Schneider Jaquet has been designing and manufacturing machines for the cleaning of cereals.

150 years of innovation and reputation have made Schneider Jaquet a reference provider of sorting, calibrating and sifting solutions in France.

Our range of cleaners will match up to the needs of a highly diversified clientele: agro-industries, silos, farm machinery user co-operatives, farmers...

SJC is now extending its expertise to other fields, such as wood processing, animal flour, insect sorting, plastic matter separation, waste recycling, etc. The notion of sorting remains the same whenever solid-solid separation is involved.

SJC is constantly working to design new solutions both in France and abroad.

2050

In 2050, there will be approximately 10 billion people on earth, increasing the demand for cereals, a basic foodstuff for humans and animals.

30 %

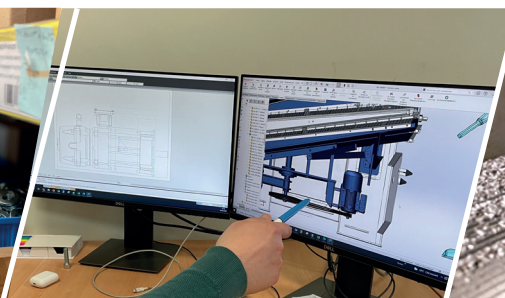
Every year, 30% of the cereals harvested worldwide are lost due to poor cleaning. Storing a harvest without cleaning it thoroughly beforehand can lead to rotting, germination, shrivelling... which causes serious damage to the grain and can ruin an entire harvest. Although cleaning is only a minor step in the whole process, it has a definite impact on the final quality and merchantability of the product.

OUR COMPLEMENTARY ACTIVITIES



SPARE PARTS

- Older generation
- New generation



ENGINEERING OFFICE

- Dedicated to adapting our range to specific demands and needs
- Research and innovation



SPLINING AND GRINDING

- Smooth
- Grooved
- Diamond



SALE OF NEW CYLINDERS

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