



<u>General description</u>

DENIS cleaners are the fruit of the knowledge and experience of Denis in this field. Robust, compact and reliable, they combine efficiency and easy use and benefit from innovations that considerably increase performance and versatility. Settings and access are favoured by an ergonomic design.



Window to see waste

Guard to check aspiration waste

Sliding door

Special tool for opening guards

Frame equiped with rubber ball

The NSD provides the following advantages :

Efficient scalping / sorting through enchanced modularity

Thanks to identical and interchangeable screens (dimensions 0.80 x 1.00 m) the operator has a wide choice of perforations for each chosen type of work to be done.

Dust removal thanks to a double aspiration system

- Setting at the entry possible by way of a counterweight flap
- Outlet precision due to its long aspiration chimney
- Setting controls that ensure a good and balanced aspiration
- Effective double grain fall, avoiding crushing and unwanted air entry.

Strong cleaning properties thanks to an auto cleaning rubber ball system

No setting nor maintenance and particularly efficient due to the good distribution of balls in all cases.

Characteristics

Cleaner	Power (kW)	Aspiration power (kW)	Empty weight (kg)	Air Capacity (m3/min)	Screen surface (m²)	Standard cleaning
NSD1	1.5	3.0	1208	90	3.2	25t/h*
NSD2	1.5	4.0	1410	150	6.4	50t/h*
NSD3	5.5	4.0	3050	150	9.6	100t/h*

* Based on dry wheat SW : 0.75, humidity 16%. When important impurities rate (> 5%), it is compulsary to clean several times the grain to obtain good result.

Uses



GOOD GRAIN

NSD 0220 EN



Screens with perforations Round holes

Examples of screen elements for products :





Screens with perforations Oblong holes

* NSD2 needs double screens quantity compared with NSD1. * NSD3 needs triple screens quantity compared with NSD1.

Options

SCALPING

For receiving or cleaning rape seed, when scalping is sufficient, we can use all the screens for scalping by doubling the effective surface.

SCREENING

On calibrated barley, when screening is sufficient, we can use all the screens for screening by doubling the effective surface.



Specific equipment for organic cultures (mixed crops)

DENIS has developped NSD1 & NSD2 range to sort mixed crops found in organic cultures. An evacuation screw is used at the outlet at the end of the first screen (scalping). These new cleaners NSD1 & NSD2 uphold their efficiency, especially in terms of the capacity rates.

Example with NSD 1

In the below example, peas are mixed to barley. Peas are evacuated thanks to a screw towards the outlet at the upper screens end (scalping) and barley goes through good grain outlet.





Side outlet at screen end on the NSD1

Example with NSD2

Adjustable divider (in option) to feed only one screen box for small quantities of product and little capacities.

This allows to reduce the quantity of screens



View of to see the outlet equipped with a screw

Divider for feeding two screen boxes (standard)



Divider for feeding one screen box













CE

All our equipment and instrumentations meet with the standards for safety.



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