

Seed Cleaner Type K 531



The **PETKUS Seed Cleaner K 531** is used for high-quality seed cleaning of free flowing bulky products, e.g. grain, oilseeds, fine seeds (grass and vegetable seeds).

The high standard of cleaning is achieved by a combination of the screening process, the air aspiration system, and the indented cylinders.

Advantages:

- Suitable for various products due to extensive setting options
- High standard of cleaning
- Simple and quick changing of screens and separating cylinders
- Two different air volume ranges adjustable for various products
- Equipment with two indented cylinders for a high sorting performance
- Highly effective cleaning of the screen surfaces by screen agitators (top screen) and brushes (bottom screen)
- Also suitable for intensive cleaning without the indented cylinder

Description:

The product is moved from the inlet hopper through the pre-aspiration duct. Light rejects, husk and dust are separated here.

Afterwards, the product is transported to the screen compartment. The top screen separates large and coarse rejects. The top screen is cleaned with a screen agitator. Light rejects are separated by the bottom screen. A brush carriage cleans the bottom screen.

The screened product is transported through the final aspiration duct. Further light rejects with lower density are separated there by the air flow. The cleaned product is transported to the indented cylinders where short rejects, e.g. broken grains and round weed seed are rejected. The cleaned seed is transported to the bagging devices on the indented cylinder and can be bagged-off here.

Construction:

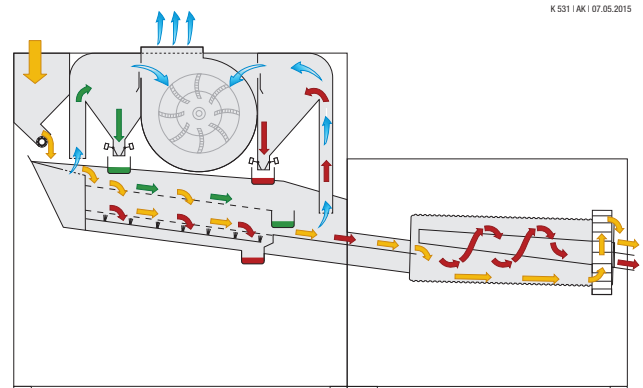
The Seed Cleaner K 531 is equipped with an inlet hopper, one pre- and final aspiration duct with depositing chambers, a screen compartment with two screen layers, and two parallel working indented cylinders. The various components of the machine (inlet hopper, screen compartments, fan etc.) are operated by a V-belt system with an electric motor.

Standard Equipment:

- Bolted frame made of painted sheet steel
- Set of screens for screening diagram
- Set of separating cylinder casings for the indented cylinders
- Screen agitators and brush carriage
- Drive unit with 4.0 kW electric motor

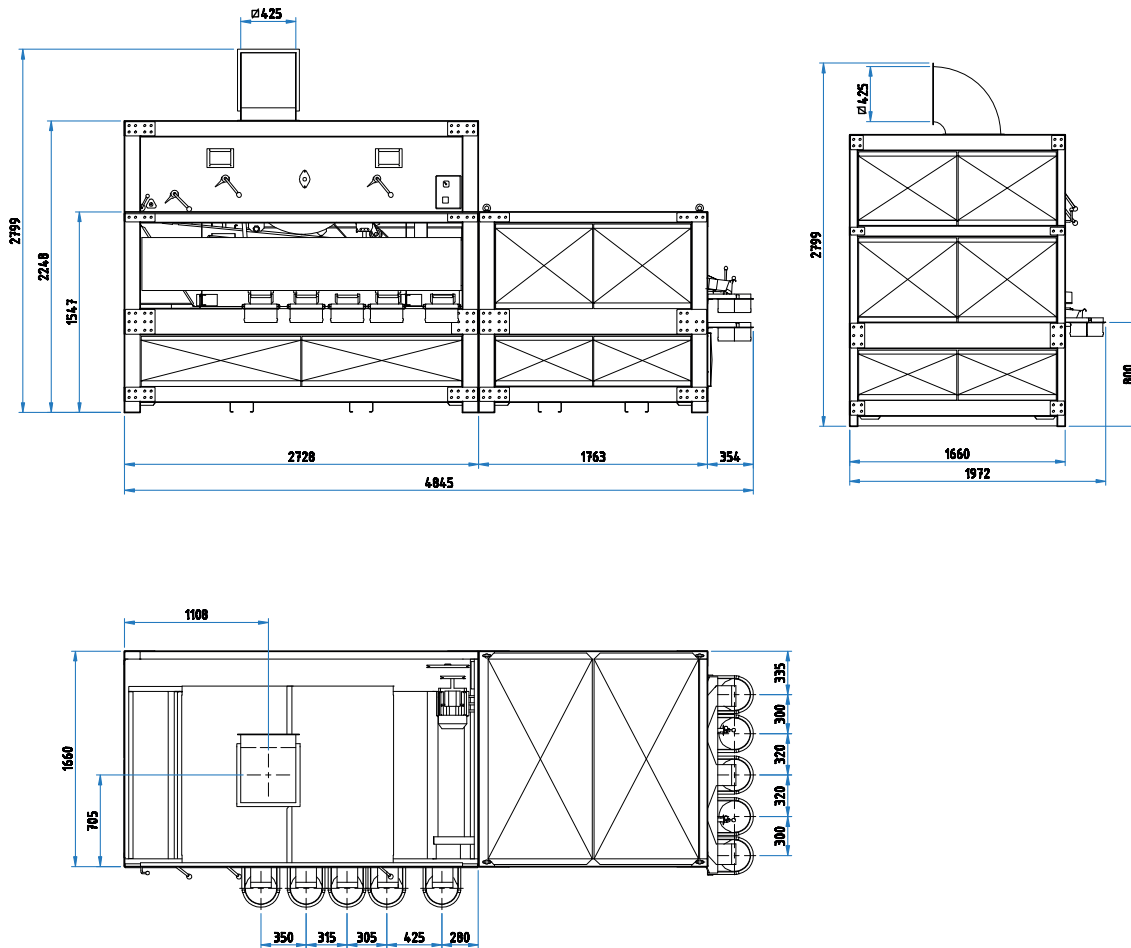
Options:

- Screens and separating cylinders available for a large number of different products



Working principle Seed Cleaner K 531

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Technical Data		K 531
Capacity (Based on: wheat)		
Industrial cleaning	bu/hr	130
Seed cleaning	bu/hr	90
Working width	in	43.75
Screen area	in ²	4588
Air volume 1	cfm	3180
Air volume 2	cfm	4417
Drive motor	hp	5.5
Speed	rpm	1450
Speed of the fan 1	rpm	850
Speed of the fan 2	rpm	1050
Speed indented cylinder	rpm	32
Weight	lb	4200

Technical Data		K 531
No. of Screen layers	pcs.	2
Upper screen layer	pc.	1
Lower screen layer	pc.	1
Cleaning of upper screen layer		Agitators
Cleaning of lower screen layer		Brushes
No. of indented cylinder	pcs.	2
Dimension		
Length	in	199.25
Width	in	82.75
Height	in	87
Total height with pipe connection	in	109.5
Air exhaust system		
Diameter pipe for exhaust system	in	17.75
Cyclon type	FKA	1600

Technical alteration reserved