



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 cylinder casings
- 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:

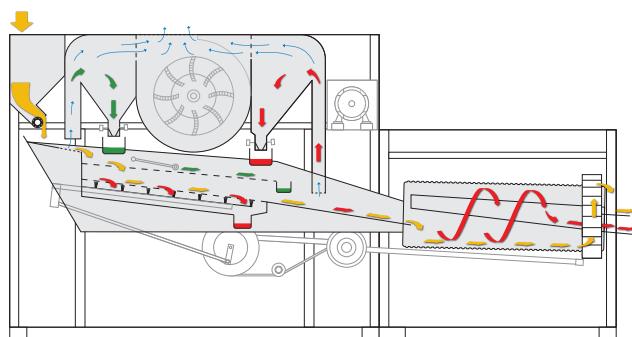
The seed cleaner K 531 is equipped with an inlet hopper, one pre-and final aspiration duct with depositing chambers, a screen compartment with two screen layers, and two parallel working indented cylinders. The various components of the machine (inlet hopper, screen compartments, fan etc.) are operated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

Standard Equipment:

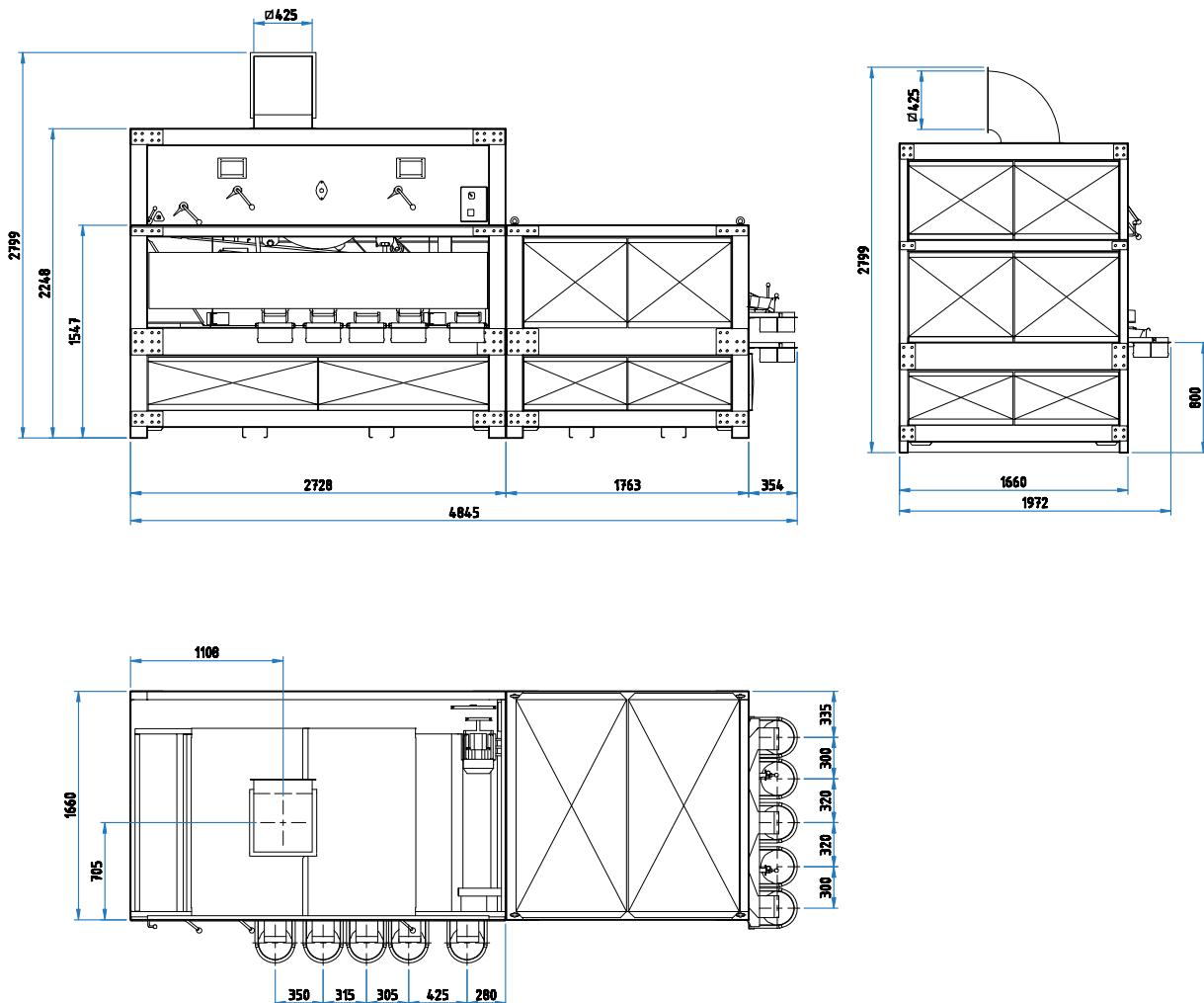
- Bolted housing made of painted sheet steel
- One set of screens for one screening diagram
- One set of separating cylinder casings for the indented cylinders
- Equipment with screen agitators and brush carriage
- Drive unit with 4.0 kW electric motor

Options:

- Screens and separating cylinder casings available for a large number of different products
- Adaptation to specific customer requirements possible



Seed Cleaner Type K 531



| Technical Data | | K 531 | Technical Data | | K 531 |
|------------------------------|-------------------|-------|-----------------------------------|------|---------|
| Capacity (Based on: Wheat) | | | No. of Screen layers | pcs. | 2 |
| Industrial cleaning | t/h | 3,5 | Upper screen layer | pc. | 1 |
| Seed cleaning | t/h | 2,5 | Lower screen layer | pc. | 1 |
| | | | Cleaning of upper screen layer | | Knocker |
| Working width | mm | 1107 | Cleaning of lower screen layer | | Brushes |
| Screen area | m ² | 2,96 | No. of indented cylinder | pcs | 2 |
| Air volume 1 | m ³ /h | 5400 | Dimension | | |
| Air volume 2 | m ³ /h | 7500 | Length | mm | 5060 |
| Drive motor | kW | 4,0 | Width | mm | 2100 |
| Revolution | U/min | 1450 | Height | mm | 2210 |
| Revolution of the fan 1 | U/min | 850 | Total height with pipe connection | mm | 2780 |
| Revolution of the fan 2 | U/min | 1050 | Air exhaust system | | |
| Revolution Indented cylinder | U/min | 32 | Diameter Pipe for exhaust system | mm | 450 |
| Weight | kg | 1900 | Cyclon type | FKA | 1600 |

Technical alteration reserved