



The **PETKUS seed cleaner K 541** 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 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:

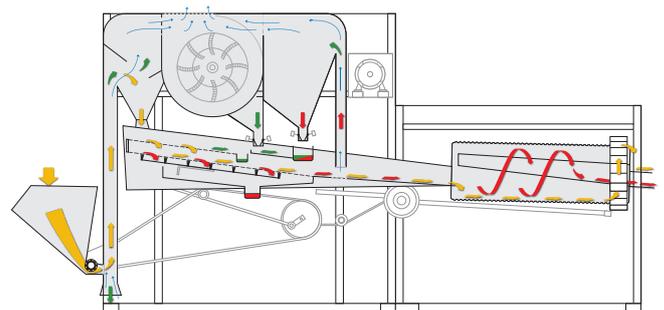
The seed cleaner K 541 is equipped with an inlet hopper, one pre- and final aspiration duct with depositing chambers, a screen compartment with two screen layers, and one indented cylinder. The various components of the machine (inlet hopper, screen compartments, fan etc.) are operated by a V-belt system with an electric motor.

#### Standard Equipment:

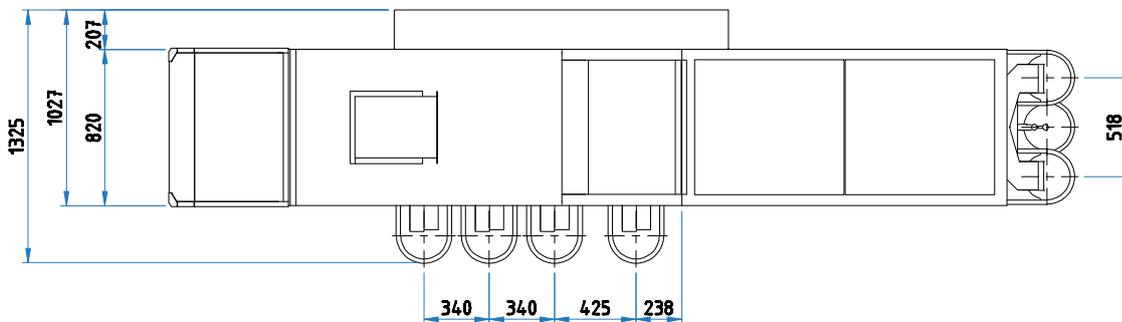
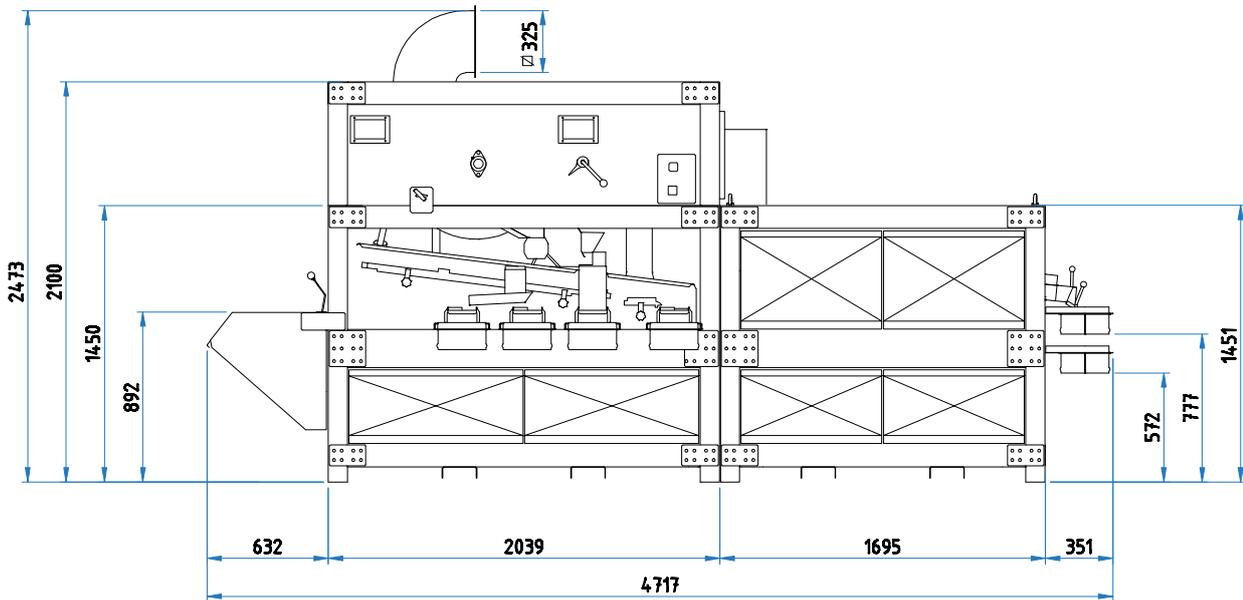
- Bolted housing made of painted sheet steel
- One set of screens for a screening diagram
- One set of separating cylinder casings for the indented cylinders
- Equipment with screen agitators and brush carriage
- Drive unit with 3.0 kW electric motor

#### Options:

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



# Seed Cleaner Type K 541



Technical Data		K 541	Technical Data		K 541
Capacity (Based on: Wheat)			No. of Screen layers	pcs.	2
Industrial cleaning	t/h	1,75	Upper screen layer	pc.	1
Seed cleaning	t/h	1,25	Lower screen layer	pc.	1
			Cleaning of upper screen layer		Knocker
			Cleaning of lower screen layer		Brushes
Working width	mm	630	No. of indented cylinder	pcs.	2
Screen area	m <sup>2</sup>	1,25	Dimension		
Air volume 1	m <sup>3</sup> /h	4500	Length	mm	4717
Air volume 2	m <sup>3</sup> /h	5800	Width	mm	1325
Drive motor	kW	3,0	Height	mm	2100
Revolution	U/min	1450	Total height with pipe connection	mm	2473
Revolution of the fan 1	U/min	900	Air exhaust system		
Revolution of the fan 2	U/min	1100	Diameter Pipe for exhaust system	mm	450
Revolution Indented cylinder	U/min	35	Cyclon type	FKA	1250/1600

Technical alteration reserved