



Calibrations in different grain sizes and shapes are an essential part of the seed cleaning process. Sorting according to different calibers must be done very carefully in order to protect and enhance seed quality.

PETKUS Calibrating Machines “SC” ensure precise sorting of the required calibers and are variable with regard to the number of calibers whereby up to five different calibers can be sorted in one screening. PETKUS offers a wide and variable range of different perforations for slotted and round-hole screens. The calibrating machine has been specially developed for calibrating grain, pulses, oilseeds and similar agricultural, granular and free-flowing products.

Advantages:

- High precision calibration
- Low specific screen load due to two screen shoes and 4-6 six screen layers as well as working widths of up to 1500 mm
- Up to five different calibers in one screening process, depending on machine type
- Variable infeed system for handling several different products
- Proven ball cleaning minimizes the danger of clogging by equally dispersing the grains over the entire screen area
- Efficient inlet dust removal

Description:

Product is fed into the machine with a feed roller and a weight-adjusted flap. Pending from the type of product, the flap needs to be adjusted by moving the counter weight outside of the machine. The adjustment of the weight should allow an even flow of the product into the machine diverted over the whole working width of the machine.

The flat screen system consists of one upper screen shoe and one lower screen shoe, in total with four parallel screen layers. Up to four different grades can be calibrated with variable range of different perforations for slotted and round-hole screens.

Construction:

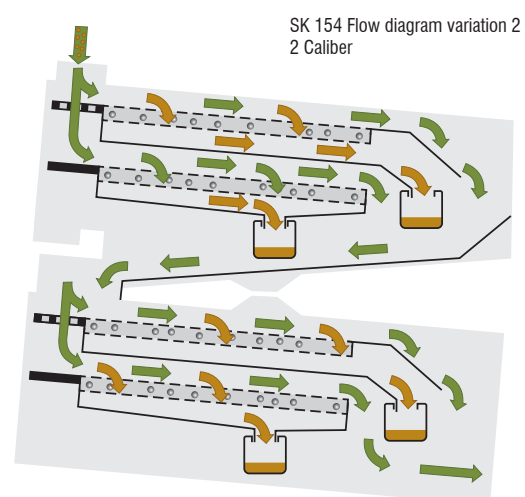
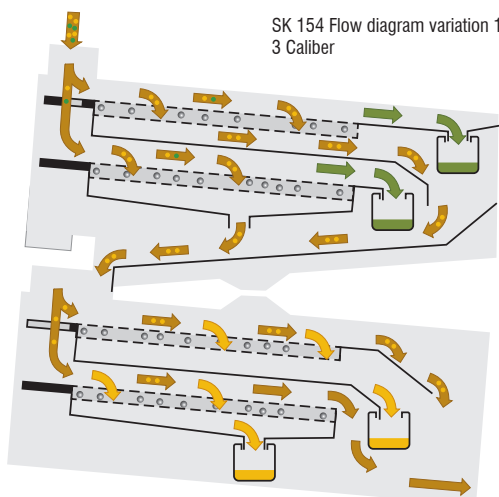
The calibrating machine consists out of an inlet buffer bin, feed roller and flap, the screen shoes and outlets for the different calibers. The screen system is driven by a gear motor with two possible revolutions or step less by using a separate frequency converter (option). The upper and the lower screen compartments are oscillating in opposite directions. All screen layers are equipped with PETKUS standard screen segments and cleaned by use of rubber balls.

Standard Equipment:

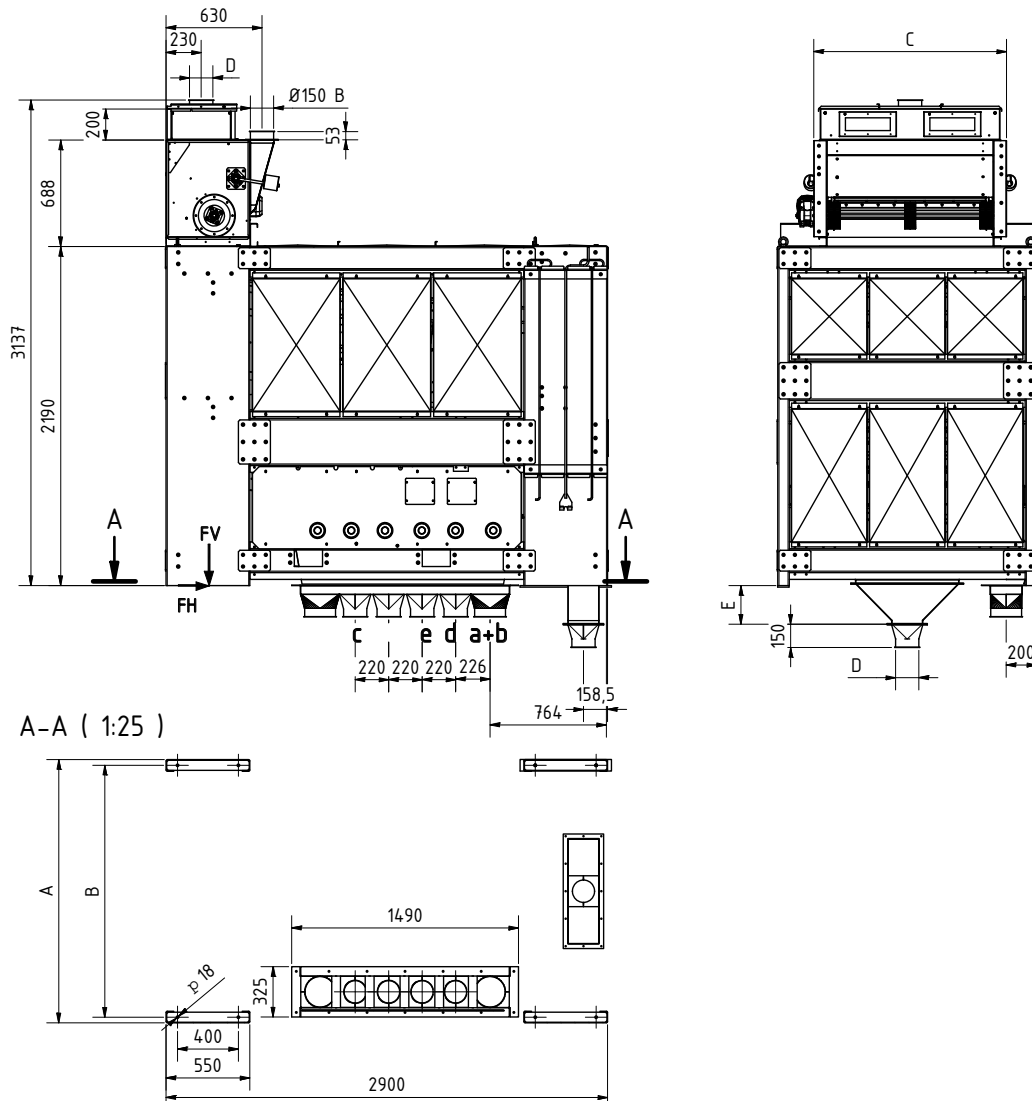
- Bolted frame made of painted sheet steel
- Upper screen shoe with two screen layers (1500 x 2100 mm)
- Lower screen shoe with two screen layers (1500 x 2100 mm)
- Set of screens
- Drive units with gear motors

Options:

- Discharge hopper for calibrated seed
- Frequency converter
- Conversion kits (screens and accessories) for various grading purposes
- Base frame with operating platform and stairs



Calibrating Machine SC 154



A-A (1:25)

Technical Data		SC 154
Length	mm	2900
Width	mm	2000
Height	mm	3137
Weight	kg	2500
Drive motor screen shoes	kW	4
Drive motor feeding roller	kW	0,37
Working width	mm	1500
Screen area	m ²	8,4
Screen layer	no.	2 x 2 (4)
Screen inclination	°	5

Technical alteration reserved.