



The **PETKUS screening machines P** are designed for the coarse and pre-cleaning of dry, granular and free flowing products, e.g. grain, corn, rice, and oilseeds. The screening machines are available with two or four screen layers in three different widths.

#### Advantages:

- Suitable for various products due to extensive setting options.
- High standard of cleaning
- Simple and quick changing of screens
- Stroke, angle of throw and screen inclination can be adjusted
- Highly effective cleaning of the screen areas by rubber balls
- Reliable and low-maintenanc

#### Description:

The product flow is evenly distributed in the inlet of the screening machine. Light rejects such as dust are aspirated in the inlet at the same time.

Afterwards, the product is evenly distributed along the distribution route across the entire machine width by vibration and a guiding

plate, and then guided onto the top screen. Straw and large, coarse rejects are separated by the top screen. The product falls through the top screen to the bottom screen. The bottom screen separates the smallest rejects such as weed, dirt and sand. The screen layers are cleaned by rubber balls. Machines with four screen layers have two top screens and two bottom screens working parallel. The product is divided here at a ratio of 50:50. The cleaned product is discharged from the machine. Further rejects with lower density can be separated in the final aspiration duct (option) by the air flow.

#### Construction:

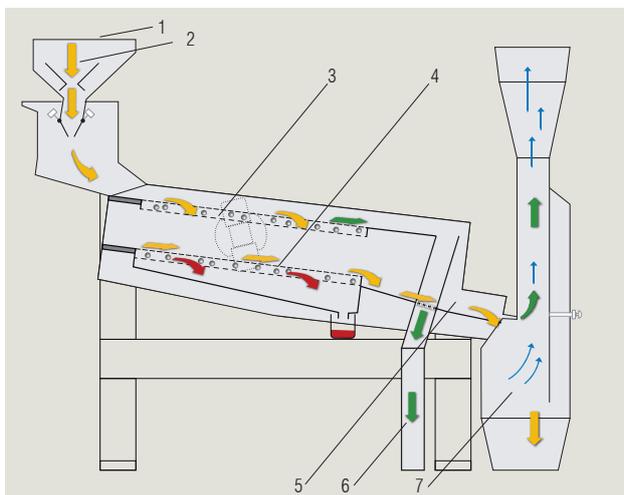
The screening machine is equipped with an inlet hopper with aspiration, a distribution plate and a screen compartment with two or four screen layers. The screen compartment and the distribution route are driven by two imbalance motors.

#### Standard Equipment:

- Bolted housing made of galvanized sheet steel
- One set of screens for one screening diagram
- Equipment with rubber balls for the screen cleaning
- Drive unit with two imbalance motors

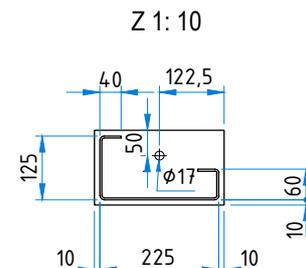
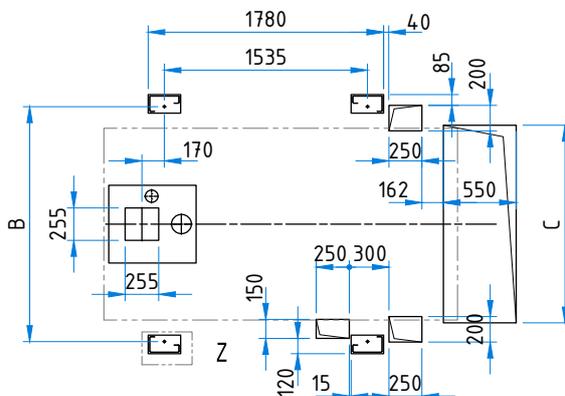
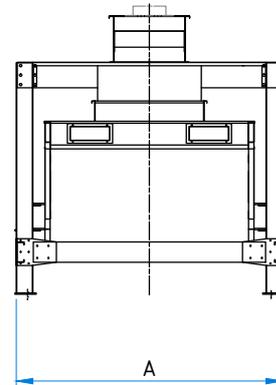
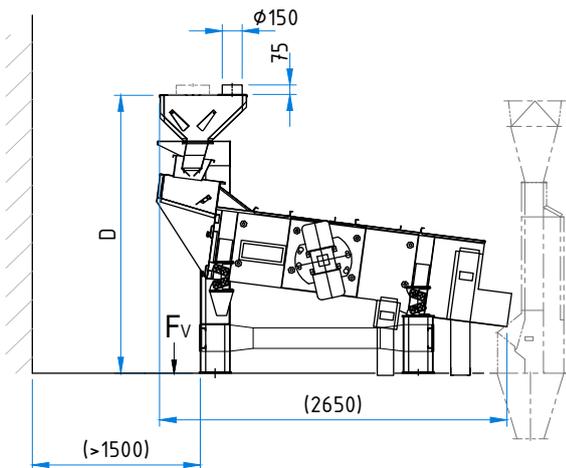
#### Options:

- Screens available for a large number of different products
- Final aspiration duct available for separating light rejects, e.g. dust



- 1 - Dust extraction nozzle
- 2 - Inlet
- 3 - Upper screen layer,
- 4 - Lower screen layer
- 5 - Outlet of the lower screen through flow
- 6 - Outlet of the upper screen overflow
- 7 - Aspiration channel with outlet of the cleaned product (option)

# Screen Machine Type P



Type		P 092	P 122	P 152	P 124	P 154
Capacity (based on wheat 3% waste)	t/h	35	50	60	100	120
Upper screen	mm x mm	900 x 1740	1200 x 1740	1500 x 1740	1200 x 1740	1500 x 1740
Total no. of upper screens	Stck.	1	1	1	2	2
Lower screen	mm x mm	900 x 1740	1200 x 1740	1500 x 1740	1200 x 1740	1500 x 1740
Total no. of lower screens	Stck.	1	1	1	2	2
Screen area	m <sup>2</sup>	3,1	4,2	5,2	8,4	10,45
Screen width	mm	900	1200	1500	1200	1500
Screen inclination up to	°	5°/7,5°/10°	5°/7,5°/10°	5°/7,5°/10°	5°/7,5°/10°	5°/7,5°/10°
Motor	kW	2 x 0,64	2 x 0,64	2 x 0,71	2 x 0,71	2 x 1,0
Aspiration	m <sup>3</sup> /h	4200	6000	7200	6000	7200
Dimension						
Length, L	mm	2685	2685	2685	2685	2685
Width, B	mm	1435	1735	2035	1735	2035
Height, H	mm	2120	2260	2260	2660	2660
Weight	kg	660	800	930	1350	1650
Length, L <sub>1</sub>	mm	1535	1535	1535	1535	1535
Width, B <sub>1</sub>	mm	1243	1543	1843	1543	1843
Inlet, A	mm	d = 250				
Outlet clean product e x f	mm x mm		1250 x 550	1550 x 550	1250 x 550	1550 x 550
Outlet upper screen a x b	mm x mm			310 x 220		
Outlet lower screen c x d	mm x mm			270 x 165		

Technical alteration reserved.