



The **PETKUS Screen Machines SM** are designed for the coarse and pre-cleaning of dry, granular and free flowing products, e.g. grain, corn, rice, and oilseeds. The Screen 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-maintenance

Description:

The product flow is evenly distributed in the inlet of the Screen 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:

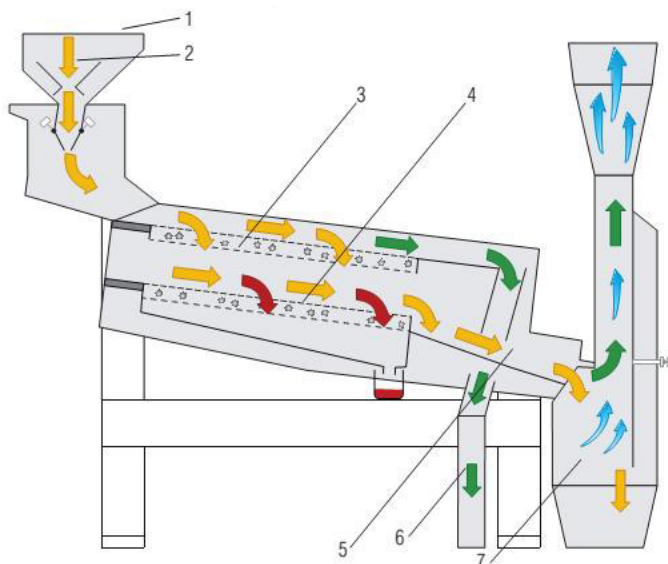
The Screen Machine is equipped with an inlet hopper with aspiration, a distribution plate and a screen compartment with two or four screen layers. The screen compartment and the distribution route are driven by two imbalance motors.

Standard Equipment:

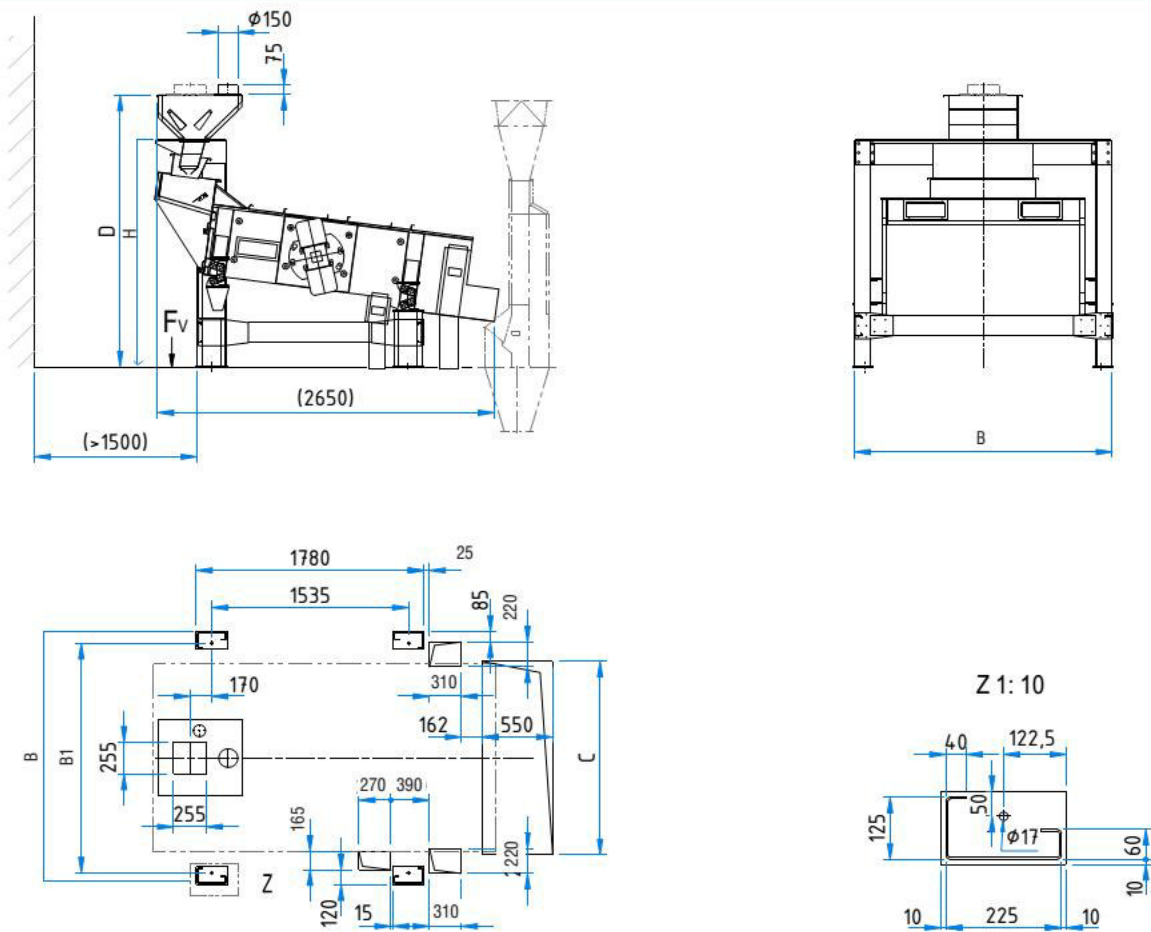
- Bolted frame made of galvanized sheet steel
- Set of screens for screening diagram
- Rubber balls for the screen cleaning
- Drive unit with two imbalance motors

Options:

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



- 1 - Aspiration
- 2 - Inlet
- 3 - Upper screen layer
- 4 - Lower screen layer
- 5 - Outlet of the lower screen
- 6 - Outlet of the upper screen
- 7 - Aspiration channel with outlet of the cleaned product (option)



Type		SM 12	SM 15	SM 24	SM 30
Capacity (based on wheat 3% waste)	t/h	50	60	100	120
Upper screen	mm x mm	1 200 x 1 740	1 500 x 1 740	1 200 x 1 740	1 500 x 1 740
Total no. of upper screens	pc.	1	1	2	2
Lower screen	mm x mm	1 200 x 1 740	1 500 x 1 740	1 200 x 1 740	1 500 x 1 740
Total no. of lower screens	pc.	1	1	2	2
Screen area	m ²	4.2	5.2	8.4	10.45
Screen width	mm	1 200	1 500	1 200	1 500
Screen inclination up to	°	5/7, 5/10			
Motor	kW	2 x 0.64	2 x 0.71	2 x 0.71	2 x 1.0
Aspiration	m ³ /h	6 000	7 200	6 000	7 200
Dimension:					
Length, L	mm	2 685			
Width, B	mm	1 735	2 035	1 735	2 035
Height, H	mm	1 820	1 820	2 660	2 660
Weight	kg	800	930	1 350	1 650
Length, L ₁	mm	1 535			
Width, B ₁	mm	1 543	1 843	1 543	1 843
Inlet	mm	d = 250			
Outlet clean product e x f	mm x mm	1 250 x 550	1 550 x 550	1 250 x 550	1 550 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			
C	mm	1 250	1 550	1 250	1 550
D	mm	2 130	2 180	2 180	2 580