



SAMPLE SCREEN CLEANER AE 500

Working Principle

Accurate, dependable performance for small lot cleaning, testing, or sampling

Tabletop design is small and accurate

Compact and easy to move

Used in seed plants for sampling large lots

Popular with vegetable and flower growers and in seed stores for specialized cleaning, grading, and sizing

Used in Many Seed laboratory

Oversize and Undersize screens are standard with over 120 sizes to choose from

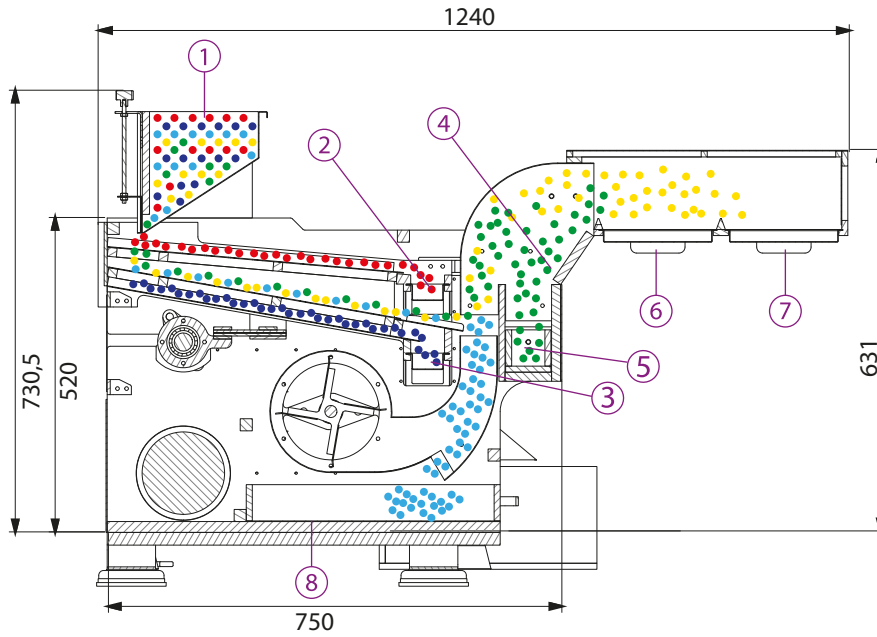
Screen Shoe uses two 25x45xm screens, one for the top and the other for the lower separation area

Removable catchall performs as an air screening receptacle with removable tray

Powerful bottom blast fan driven by a pulley

Adjustable slide on the air intake openings provide intermediate air regulation

Flowchart



- ① The Seed is fed to the hopper and is spread evenly across the full width of the top screen.
- ② The product then moves across the top screen, which has openings larger than the product itself. The large foreign oversize admixtures separated and discharged out from flow via chute while the semi good seed falls through the screen.
- ③ The bottom screen does undersize separation. The bottom screen openings must be smaller than the seed being cleaned. Undersize Trash, weed seeds and splits drop through the bottom screen; separated and discharged out from flow via chute while the good product passes over it. (This is the flow shown in the diagram at the left).
- ④ Next, the product is routed through a column of air from the bottom blast fan. This blast of air effectively removes any light weight trash and dust that may have remained after screening.
- ⑤ Light, Semi empty seeds collected in a bucket.
- ⑥ Light, empty seeds collected in a bucket.
- ⑦ Dust and light admixtures are collected in a bucket.
- ⑧ Good, clean product is discharged at the bottom of the air chamber into a clean seed box.



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