

3 Screen Seed Grader

MODEL - ZEN - II



Suitable for efficient cleaning and grading of various spices like coriander, cumin, fennel, ajwain etc. Also suitable for cleaning and grading of all types of grains and seeds.



- 1st air removal
- 1st screen oversize
- 2nd screen oversize
- 3rd screen undersize
- Dust particles
- Cleaned seed
- Lifter screen removal

Working

Material is fed into a feed hopper from where they are evenly distributed by a feed roller and drop through a controlled gate at top sieve. Before falling on top screen material is subjected to primary aspiration which drains off chaff, straw, dust, & other lighter impurities. Material then passes through three sieve layers for separation according to width and thickness. Cleaned/graded material again passes through air lifter and aspirator where remaining light particles are sucked off by a strong upward draught of air. Final product and impurities are collected separately through discharged chutes.

Optional Sub-assemblies & Parts

Dust Collector, Air Trunk, Surge Bin, Feeding Elevator

Features

- Robust machine of all steel construction
- Dynamically balanced aspirator fans
- Feed hopper equipped with feed roller and feed control gate
- Specially designed Nylon Brushes to check sieve perforation clogging
- Stepless variable air controls
- Air chamber; sieve deck assembly and spouts are self cleaning type
- Belt guard provided
- Easily changeable sieves with large surface screening area
- Sieve reciprocation provided by means of eccentric and connecting rods

TECHNICAL SPECIFICATIONS

Model	Capacity (based on wheat) TPH	No. of Screens	Size of each Screen in cms (WxL)	Screen Inclination	O.A. Size (LxWxH) mm	No of Scalping Screens	No. of grading Screens	Cleaning Device	No of Aspirations	Fan Capacity	Fan Speed	Electric Motor	Electric Screen Area
Zen - II	2	3	Top: 90 x 100 Middle & Bottom: 90 x 180	Fixed	3600 x 1900 x 3200	1	2	Top: Beaters Middle & Bottom: Nylon Brush	2	4500 CFM at 75 mm WGSP	980 RPM	5.0 HP 3 Phase 440V	4.1 sq. m

Note: Capacities may vary depending on seed condition, moisture content, seed varieties, type & volumes of contaminants to be separated & the percentage of foreign material acceptable in the final product. Capacity also vary depending on product flow through the cleaner.



ISO 9001 : 2015
ISO 14001 : 2015
OHSAS 18001 : 2007
SA 8000 : 2014
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