



## 3 SCREEN SEED GRADER

### MODEL - ZEN



Machine is mainly suitable for efficient cleaning and grading of all type of seeds, grains, spices & oil seeds etc.

#### Features

- Robust machine of all steel construction.
- Dynamically balanced aspirator fan.
- Feed hopper equipped with feed roller and feed control gate.
- Specially designed Nylon brushes to check sieve perforation clogging of middle & bottom screens.
- Stepless variable air controls.
- Air Chamber, Sieve Deck assembly and spouts are self cleaning type.
- Belt guard provided.
- Easily changeable sieves.
- Sieve reciprocating provided by means of eccentric and connecting rods.

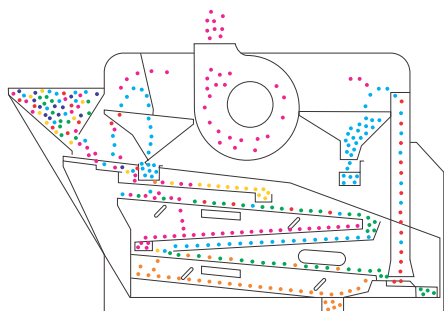
#### Working

Seeds/Grains are fed into a feed hopper where they are evenly distributed by a feed roller and drop through a controlled gate on the top sieve. Before falling on Top Screen, seeds are subjected to primary aspiration which drains off chaff, straw, dust, deaced grains etc. Material is then passed through three sieve layer for separation according to width and thickness. After passing through screens, cleaned/graded material again passes through air sifter and aspiration where remaining light particles are sucked off by a strong upward draught of air. Final product and impurities are collected separately through discharge chutes.

#### Optional Sub-assemblies & Parts

Dust Collector, Air Trunk.

FLOW PROCESS ZEN GRADER



- 1st Screen Oversize
- 2nd Screen Removal
- 3rd Screen Removal
- Dust Particles
- Blower Removal
- Cleaned Seed
- Lifter Screen Removal

#### TECHNICAL SPECIFICATIONS

Model	capacity	Size of each Screen		Screen Inclination	Screen Perforation Cleaning Device	Total Screen Area	No. of Aspiration	Fan Capacity	No. of Screen	Electric Motor	O.A.Size (LxWxH)
		Top	Middle & Bottom								
ZEN	2 tph (Based on wheat)	90x100 cms (WxL)	90x180 cms (WxL)	Fixed	Top : Beaters Middle & Bottom : Nylon Brushes	4.14 m <sup>2</sup>	Two	4500 cfm at 75 mm wgsp	3	5.5 HP 3 Phase,440V	3225x1570x302 mm

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

\*Capacity based on wheat



DETERMINED TO PRODUCE BETTER

ISO 9001 : 2008  
ISO 14001 : 2004  
OHSAS  
18001 : 2007  
IS 18001 : 2007  
SA 8000 : 2008

CE

**Widest Range of :** • Seed/Grain Cleaning, Grading & Handling Equipment • Seed/Grain Dryers • Seed Treators & Coaters  
Seed/Grain Storage Silos • Fruit & Vegetable Cleaning, Grading, Sorting & Handling Equipment

We also plan, design, manufacture & commission seed processing, grains/spices/pulses cleaning and handling plants on turn-key basis. Due to constant process of research & development, all designs and specifications are subject to change without prior notice. Capacities mentioned are based on wheat.

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