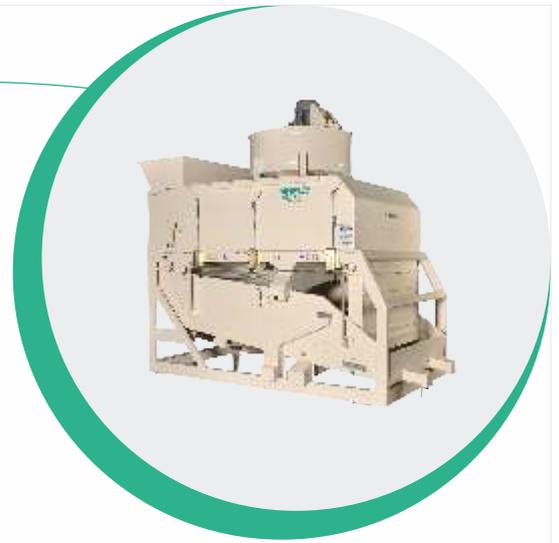




Seed Grader

MODEL - SG - 3 - III



Machine is suitable for efficient fine cleaning of all cereal, wheat, paddy, maize, millets, sunflower, soyabean, oil seeds and for rice and pulse milling plants.

Features

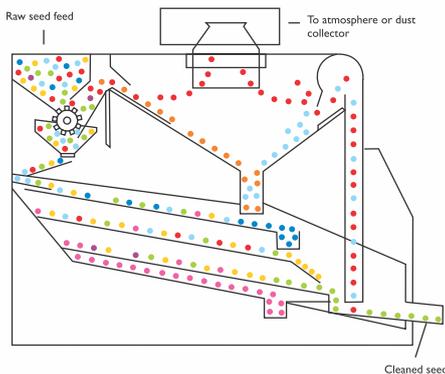
- Wide range of application
- Totally enclosed robust machine of all steel construction
- Dynamically balanced aspirator fan
- Feed hopper equipped with feed-roller, feed control gate
- Specially designed rubber balls to check sieve perforation clogging
- Stepless variable air controls
- Air Chamber, Sieve Deck assembly and spouts are self cleaning type
- Easily changeable sieves with large surface screening area
- Sieve reciprocating provided by means of eccentric and connecting rods

Working

Material is fed into a feed hopper where they are evenly distributed by a feed roller and dropped through a controlled gate on the top sieve. Before falling on Top Screen, grains are subjected to primary aspiration which drains off chaff, straw, dust, deceased grains etc. Material is then passed through screens for separation according to width and thickness. Sieve perforations are kept clean by specially designed rubber balls. After passing through screens, cleaned material once again passes through air sifter and aspiration where remaining light particulars are sucked of by a strong upward drought of air. Final product and impurities are collected separately through discharge chutes. Dust loaded air from air chamber is cleaned in dust collector to prevent it from spreading in environment/surroundings.

Optional Sub-assemblies & Parts

Dust Collector, Air Trunk, Surge Bin, Feeding Elevator



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

TECHNICAL SPECIFICATIONS

Model	Capacity (based on wheat) TPH	No. of Screens	Size of each Screen in cms (WxL)	Screen Inclination	No of Scalping Screens	No. of grading Screens	Cleaning Device	No of Aspirations	Fan Capacity	Fan Speed	Electric Motor
SG - 3 III	4	3	Top: 142 x 178 Middle & Bottom: 142 x 178	Top: Variable Middle & Bottom: Fixed	1	2	Top: Beaters Middle & Bottom: Rubber Balls	2	7000 CFM at 115 mm WGSP	1400 RPM	7.5 HP Blower & 2HP Screen Cradle

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. *Capacity based on wheat



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

CE