



Air Screen Seed Grader

MODEL - ULTRA



Machine is specially meant for cleaning and grading of high value crop seeds like vegetable seeds, flower seeds, grass seeds, forestry seeds, small lots of hybrid seeds, oil seeds etc. The machine is also suitable for cleaning and grading of all type of spices, for research stations, breeder and foundation seed multiplication farms, seed testing laboratories etc.

Features

- The machine is mounted on a table and the whole unit is portable
- Feeding hopper is provided with a feed control gate to regulate the feeding rate
- Specially designed rubber balls have been provided to check the clogging of screen perforations
- Blower fan is dynamically balanced
- Both the air separations are independently controlled in a wide range to achieve the desired grading quality
- The machine is equipped with a unique feature which is used for thorough cleaning of the whole machine with the help of in-built air blast system to avoid any chance of varietal as well as inter crop mixing
- Cyclone dust collector is a built-in unit with the machine

Working

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

TECHNICAL SPECIFICATIONS

Model	Capacity (based on wheat) Kg/Hr	No of Screens	Size of each Screen in cms (WxL)	Screen Perforation Cleaning Device	Screen Inclination	No. of Aspirations	Electric Motor (H.P)	Oscillation Speed of Screen Deck	No of Scalping	No of Grading	Total Screen Area
Ultra	150	3	Top: 25x25 Middle & Bottom : 25x50	Rubber Balls	Fixed	2	1 HP for Blower 0.25 HP for Sieve Deck 220V, 50 Hz AC Supply	Variable	2	1	0.31 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.

*Capacity based on wheat

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