



ALVAN BLANCH

Processing the World's Crops

ROTARY CLEANER/GRADER



AB For precleaning or precision grading , large screen area for high performance

AB Handles a wide range of materials

AB Easy adjustments while operating

AB Simple and trouble free rotary operation

AB Capacity - depending on duty up to 8kg/hr

AB Easy to move with fork lift sockets tractor linkage point.

An efficient cleaner/grader for small agro-industrial or on-farm use

ROTARY CLEANER GRADER

Capacity: 3000 - 8000Kg/hr

Large Grading Screens - high resulting output

The new, innovative technology makes the graders superior in every aspect. Separation of small seeds can further be improved by installing a set of additional mixers to the inside of the rotary sieve drum. The total sieve area is 4m². Can be extended to 5m² by optional primary screen extension.

STEPLESS ADJUSTMENTS EVEN WHILE OPERATING

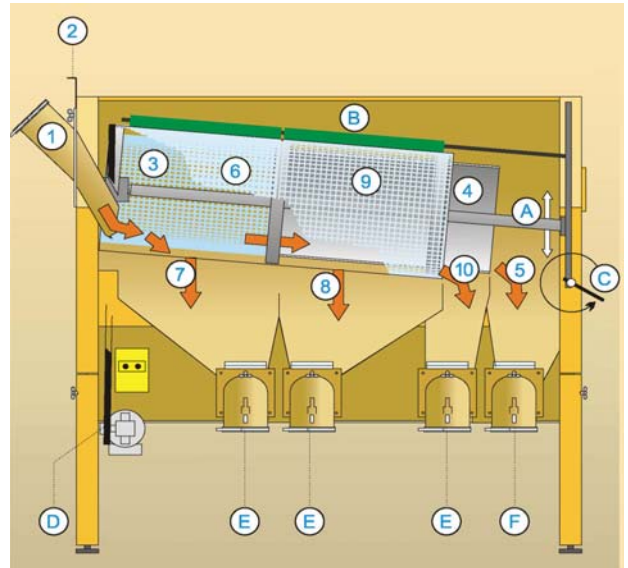
Adjusting the grading speed and accuracy is easy. An adjusting crank (C) is provided for stepless adjustment of the grading drum inclination. The rotational speed of the separating drum is adjusted by means of its drive belt pulley (D).

The grader will grade the input into two or three grading classes, all of which have their own individual outlet chutes (E). A fourth discharge spout (F) is for unwanted litter and chaff. Each outlet chute is further equipped with a stop gate.

Accessories include a wide range of different sieves. These are, due to their construction, favourable priced and easy to store, a note worthy point to consider if the operation of the grader calls for an extensive assortment of sieves.



The intake spout can be equipped with an aspirator precleaner attachment or a feed auger using quick-attach clamps



PRINCIPLE OF OPERATION

Grain is fed into the intake spout (1). A shutter gate (2) controls the feeding rate. The primary screen (3) separates any larger pieces of litter, chaff and straw from the incoming grain. The litter is then conveyed through the inner drum unperforated extension (4) and finally fall out of the sieve drum (5) into the discharge chamber below.

There are two sequential secondary screens. If three-stage grading is required, different-sized secondary screens are used. The front secondary screen (6) separates smaller litter particles, weed seeds and undersize grains (7). The main variety (8) falls out through the rear most screen (9) and the larger-sized litter and grains are carried out past the rear edge of the sieve drum (10) to fall out in to the discharge spout.

When two stage grading is used (e.g. for malt barley), the screens used in the secondary sieve drum are similar in orifice size. undersized material is separated by both screens and the main variety falls out past the rear edge of the sieve drum

TECHNICAL SPECIFICATIONS

Capacity will vary upon the duty (precleaning, grading or seed cleaning), grain size and litter content. Typical rates:

Grading: Separation of straw and chaff + two stage grading (two identical screens on secondary sieve drum used, e.g. for malt barley) 1000 - 3000 kg/hour.

Seed Cleaning: Separation of straw and chaff + three stage grading (two different screens on secondary sieve drum used (e.g. for seed grain) 500 - 1500 kg/hour.

Precleaning: Separation of straw and chaff + one stage grading 3,000 - 8,000 kg/hour.

DIMENSIONS AND WEIGHT

Discharge height (minimum)	480mm
Discharge height (max)	800mm
Length	1960mm
Width	785mm
Height (minimum)	1780mm

In accordance with our policy of continuous development, we reserve the right to change specifications and prices at any time without notice or incurring liability to purchasers. All goods supplied according to our published terms and conditions of sale (copies on application)

STANDARD EQUIPMENT

Discharge spouts (4ea) diameter	160mm
Mixers	4ea
Standard screens: (for wheat)	
-primary screen	12mm dia round hole sieve
-front secondary screen	2.5 x 20mm elongated holes
-rear secondary screen	3.75 x 20mm elongated holes
Electric drive motor	3 x 400v / 0.18 kw
Motor equipment	5m length of mains cables + 16 fuse
Rubber vibration dampers	

OPTIONS

- Primary screens: round hole sieves from 2 - 16 mm dia.
- Secondary screens round hole sieve from 2 - 16mm dia.
- Slotted sieves from 1.0 x 20 - 5.0 x 20mm sizes
- Extension sieve for inner (primary) screen.
- Adjustable riser feet
- Dust extractor fan attachment
- Aspirator precleaner

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