GRAVITY SEPARATOR

Photograph of pressure type model

- Quality separation according to differential in specific weight.
- Simultaneously removes both light and heavy impurities.
- Suits a wide range of applications - most free flowing materials.
- Pressure or vacuum models available
- Industrial duty - Compact design - Easy maintenance.

From the comprehensive range of Alvan Blanch high performance cleaning/grading systems.
APPLICATIONS
Seed cleaning – removal of immature/low germination/insect damaged seeds from; beans, peas, maize, sunflower, cereals, linseed, oil seed rape, herbage seed, vegetable seeds etc.
Commercial cleaning – improving quality of milling wheat and rye, malting barley, ergot removal etc.
Food processing – coffee, lentils, herbs, spices etc.
Industrial applications – recycling of plastics, metals etc.

OPERATION
Designed for efficient operation and ease of setting.
Adjustable valves control the heavy, middling and light product outlets
Adjustable sections include:
Side tilt, End raise, Deck speed, Fan speed and Air flow.

FUNCTION
For the grading by specific weight of products with very slight differences in size and/or weight, which cannot be separated by screening (width), aspiration (weight) or by indented cylinders (length).
The separator works on a fluidised bed principle; air is forced through the deck causing the light fraction to float above the heavy fraction. The deck is reciprocated causing the heavy fraction to move uphill, while the light fraction floats downhill. Variations in deck speed, air volume, deck material, deck angle (lengthwise and sidewise), and take-off points allow effective separation to be achieved on almost any dry product.

CONSTRUCTION
Robustly constructed from mild steel

OPTIONS
- Vibratory feeder.
- Full (or partial) dust extraction hood for dusty products.
- Alternate decks to suit range of seeds to be processed.
- Separate dust tight control panel, all pre-wired and incorporating mains isolator, deck drive inverter, fan drive inverter, and starters.

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