



ROTARY DRUM CLEANER

Machine is suitable for efficient cleaning & grading of all cereal grains, oil seeds & pulses etc.

Features

- Feeding hopper is provided with a feed control gate to regulate the feeding rate & feed roller for uniform and continuous feeding.
- Specially designed Nylon Brush are provided to check the clogging of the perforations of screens.
- Sieves are quick interchangeable type.
- Aspirator fan is dynamically balanced.

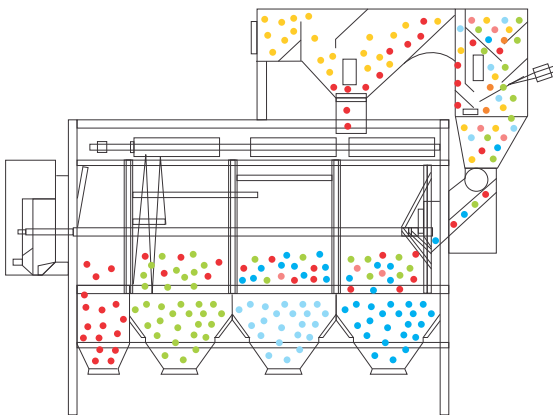
Working

The RDC Machine remove light material as well as separates good quality grains from splits and trash. The raw material is levelled into a uniform curtain through which air is drawn. The proportion of light impurities lifted into the airflow is adjusted by regulating the amount of aspiration. The heavier particles are dropped out of the airflow and settled in the bottom of the chamber from where they are conveyed off by screw conveyor.

The lighter rejects are blown out by the fan. After aspiration the product is fed into the rotating drum. Screens to suit any particular product may be fitted. The first screen removes sand, split grain etc. The following ones allowing the final product to pass. Oversize particles over fail and discharge at the end. The choice of screen combinations gives great flexibility of use on any type of cereal grains oilseeds and pulse.

Optional Sub-assemblies & Parts

Air Trunk, Surge Bin, Feeding Elevator & Dust collector.



- 1st Screen undersize
- Oversize
- 2nd Screen undersize
- Dust
- 3rd Screen undersize
- Aspirator removal

TECHNICAL SPECIFICATIONS				
Model	RDC-25	RDC-50	RDC-75	RDC-100
Cap. (Throughput based on wheat)	25 TPH	50 TPH	75 TPH	100 TPH
No. of screen	3	3	4	3
Screen dia	630 mm	900 mm	900 mm	1000 mm
Screen length	900 mm	900 mm	900 mm	1250 mm
Total screen area	5.3 m ²	7.6 m ²	10.17 m ²	11.77 m ²
Drum inclination	Variable	Variable	Variable	Variable
Rotary speed of drum	Variable	Variable	Variable	Variable
Screen perforation cleaning device	Nylon brush	Nylon brush	Nylon brush	Nylon brush
No. of aspiration	Single	Single	Single	Single
Power (i) Drum	2 HP	3 HP	4 HP	5 HP
(ii) Fan	3 HP	5 HP	7.5 HP	10 HP
(iii) Auger for reject & feed roller	0.5 HP	1 HP	1.5 HP	2 HP



DETERMINED TO PRODUCE BETTER

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

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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, supply and erect seed processing, grain / spice / 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.

Osaw Agro Industries Pvt. Ltd.

PO. Bag 5, Agrosaw Complex, Jagadhri Road, Ambala Cantt.-133 001 India Phones : (0091) 171 2699354, 2699167, 2699547 Fax : (0091) 171 2699018
E-mails : agrosaw@agrosaw.com, agrosaw@rediffmail.com Web : www.agrosaw.com