



Rotosort™  
Drum Grader.  
**DRGA.**

# Rotosort™

## Accurate grading efficiency.



### Application

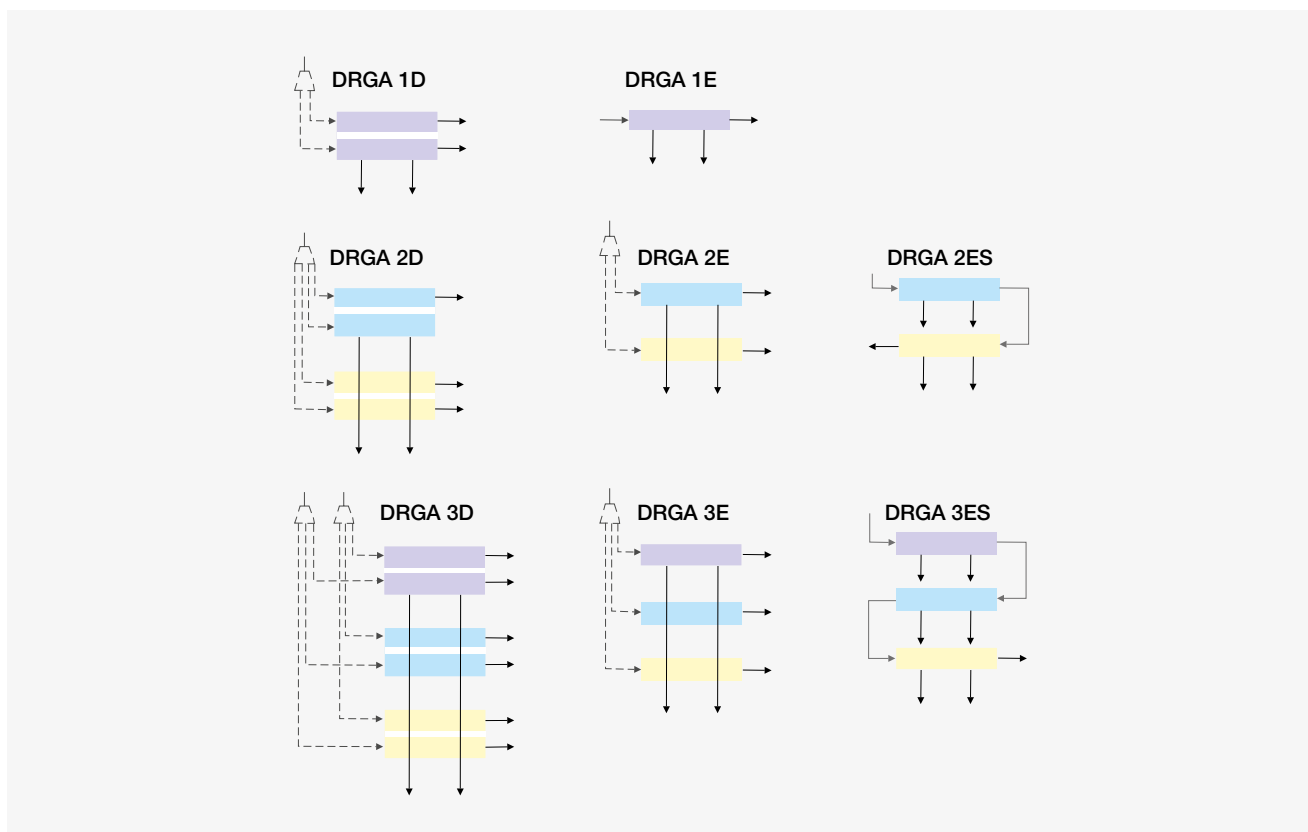
The Rotosort™ drum grader is designed for grading granular products into two fractions. It is used mainly in the food industry to size raw materials, intermediate and finished products in processing rice, cereal grains, oilseeds, pulses (legumes), nuts, coffee, and cocoa beans.

provided with a screen, conveying flights, drive and support rollers, and a screen cleaning brush. The unique screen drive makes it possible to change the screen drums within a few seconds after removing the door, making the Rotosort™ quickly adaptable to different sizing tasks.

### Design

The Rotosort™ consists of one or several (according to type) rotating screen drums assembled into a modular unit together with the housing, distributor and ducting. The drums are driven by a variable speed gear motor. Maintenance-free silent timing belts (toothed) provide the transmission. Each drum is

- Accurate grading efficiency
- Accurate product distribution
- High precision slot width
- Maintenance-free drive with timing belt
- Large open sieve area



## Working principle

The material to be graded is gravity-fed into the screen drum at a continuous rate. The smaller fraction passes through the screen and is discharged through hoppers. The overtails are delivered to the outlet. Two or more screen drums can be fed simultaneously by means of a special distribution inlet.

## Accessories

- Exchangeable screens
- Entire exchangeable screen drum assemblies for quick screen changes

## Modular design

The modular design of the Rotosort™ Drum Grader makes it easily adaptable to the specialised needs of your process and products. Innovative features and a sturdy maintenance-free design make the Rotosort™ a real workhorse.



# Rotosort™

## Size up your profits.



### Timing belt

- Efficient transmission of drive to the modular units
- Maintenance free
- Silent and Reliable



### Speed adjustment

- Efficient adjustment of screen revolutions for optimised separation by use of gear motor with frequency converters



### Shaftless peripheral drive

- Screens can be changed quickly
- Easy to control
- Large feed and discharge openings



### Cleaning brush

- Rotates with the drum to provide continuous cleaning
- Achieves residue-free operation



A typical Rotosort™ installation in a compact rice mill

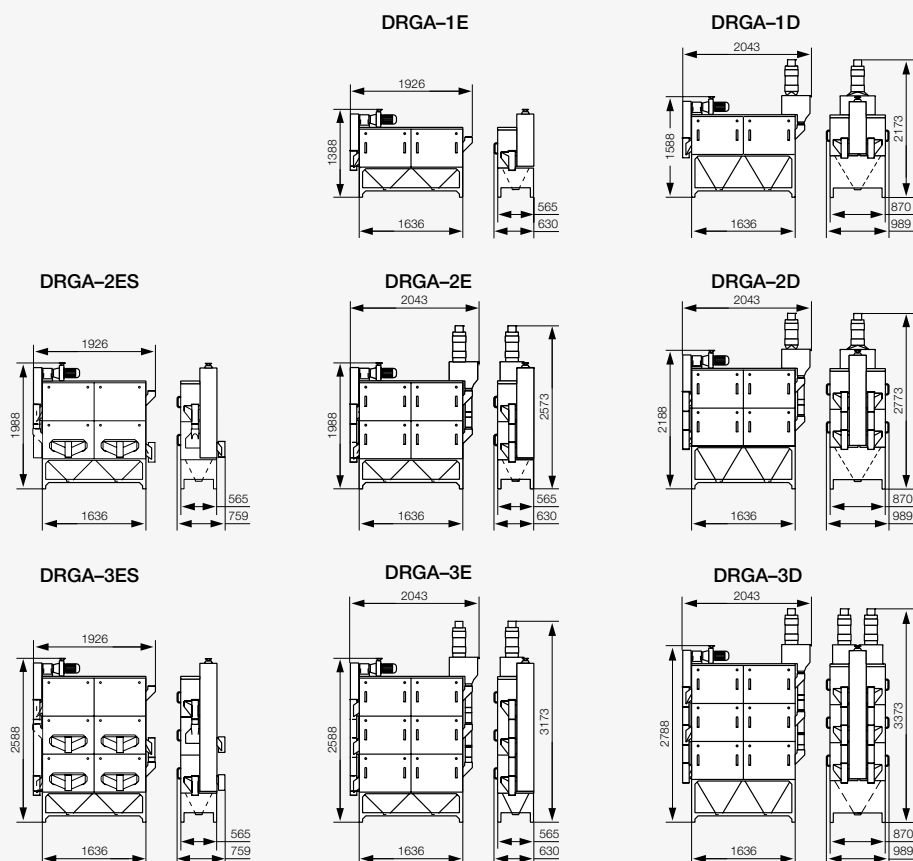


Line of two Rotosort™ in a large capacity rice mill - a modular DRGA-3D configuration

# Rotosort™

## Technical data.

### DRGA



All dimensions in mm

### Dimensions, air and power requirements

DRGA	1D	1E	2D	2E	2ES	3D	3E	3ES
Motor (kW)	0.37	0.37	0.75	0.37	0.37	1.10	0.55	0.55
Approx. weight kg - Unpacked	428	273	616	428	428	831	580	580
Approx. weight kg - Rail worthy packing	644	436	874	648	648	1123	840	840
Approx. weight kg - Sea worthy packing	756	521	1004	761	762	1270	971	971
Volume m <sup>3</sup> - Sea worthy packing	3.9	2.5	5.2	4.1	4.1	6.7	5.1	5.1

\*Depending on the type of product and finished product quality

\*\*Capacity as plant paddy input.

## **Buhler (India) Pvt. Ltd.**

13-D KIADB Industrial Area  
Attibele 562 107  
Bengaluru

T +91 (0)80 6777 0000

F +91 (0)80 6777 0183

[buhler.bangalore@buhlergroup.com](mailto:buhler.bangalore@buhlergroup.com)

[www.buhlergroup.com](http://www.buhlergroup.com)

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