

Rotosort™ Drum Grader

DRGA



Rotosort™

Accurate grading efficiency.



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

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.

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 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.

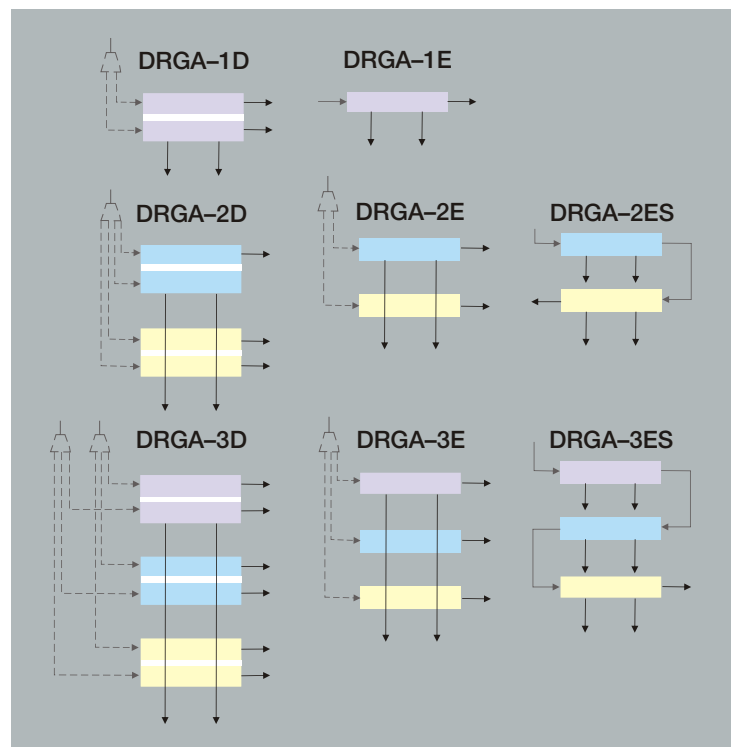


Working principle

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.

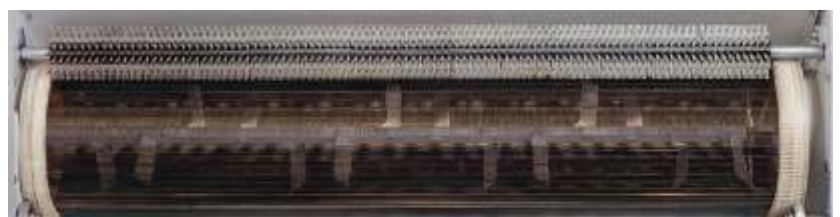
Modular design

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.



Accessories

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



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 optimized 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

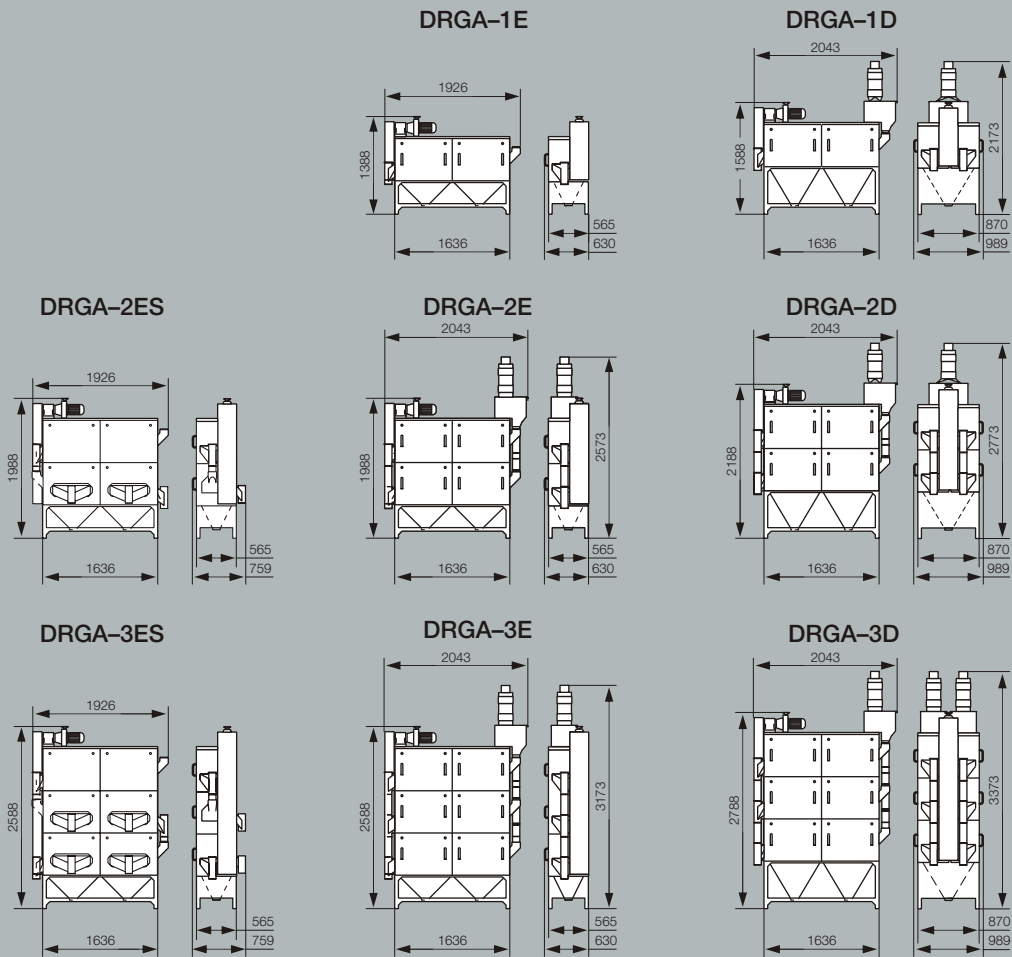


Line of two Rotosort™ in a large capacity rice mill - a modular DRGA-3D configuration



Rotosort™

Technical Data.



All dimensions in mm

Technical data

Type DRGA	Motor kW	Approx. weight in kg			Volume in m ³
		unpacked	railworthy packing	seaworthy packing	seaworthy packing
1D	0.37	428	644	756	3.9
1E	0.37	273	436	521	2.5
2D	0.75	616	874	1004	5.2
2E	0.37	428	648	761	4.1
2ES	0.37	428	648	762	4.1
3D	1.10	831	1123	1270	6.7
3E	0.55	580	840	971	5.1
3ES	0.55	580	840	971	5.1

Bühler AG
CH-9240 Uzwil, Switzerland
T +41 71 955 11 11
F +41 71 955 33 79
www.buhlergroup.com

Bühler GmbH
Postfach 3369
D-38023 Braunschweig, Germany
T +49 531 59 40
F +49 531 594 26 20

