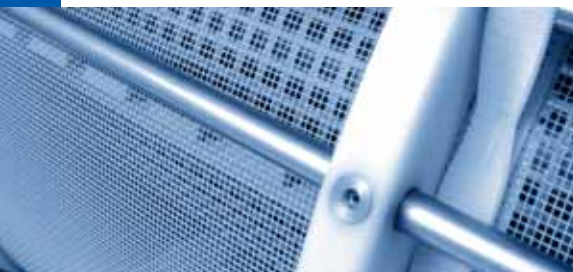




Consistent  
Product Quality – Safely.



## Innovative Sifting Technology to Process Your Raw Materials.

The quality of the products is a main factor for the success of a company, especially in such a sensitive field as the bulk material industry. Our innovative sifting technology ensures an optimum of hygiene for the products you make.

### Reimelt's high quality rotary sifters for bulk material

Reimelt's rotary sifters are designed to meet many various requirements. All parts in contact with the product are constructed to

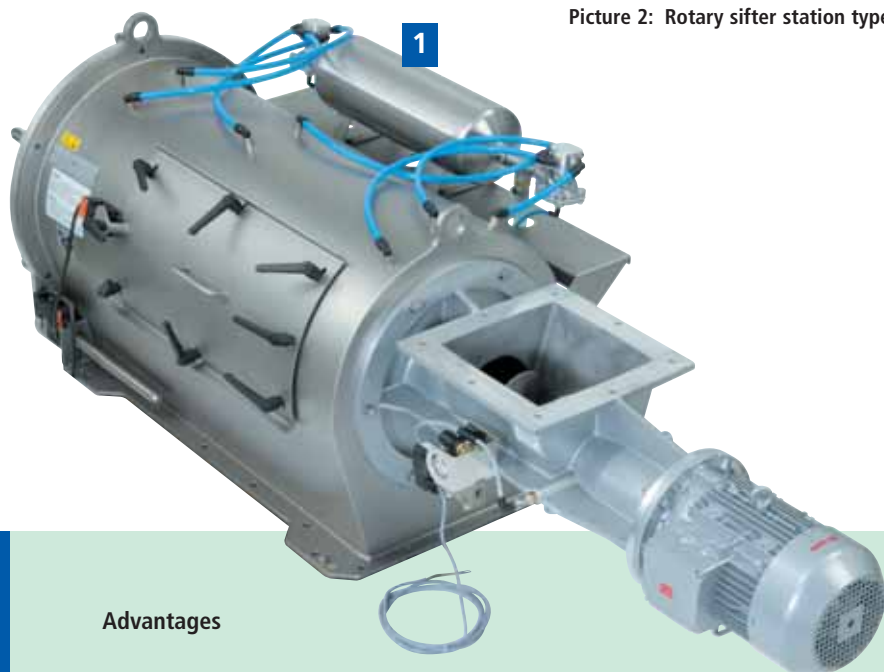
meet the EHEDG-food quality guidelines, BG regulations and are designed for easy cleaning.

Reimelt manufactures sifters in various different model sizes – according to space limitations, type of bulk material and the required throughput capacity. The housing is made of cast aluminium and stainless steel, inner parts and shafts of stainless steel or other process dependent materials.

The main advantages are in the continuous raw material control, i.e. the removal of coarse materials, aeration of the product and breaking up of product clumps for a higher efficiency of product use. Furthermore, the sifter protects the sensitive downstream processing equipment. Optionally, Reimelt sifters are available with a pressure hopper for cleaning of the sifter drum.

Picture 1: Rotary sifter with cleaning system

Picture 2: Rotary sifter station type RS 3/RS 7



### Advantages

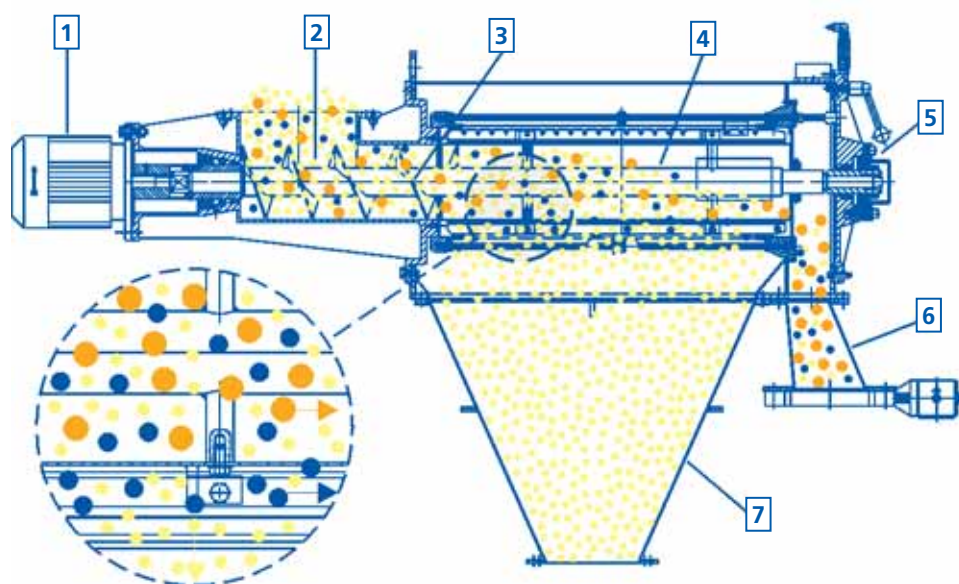
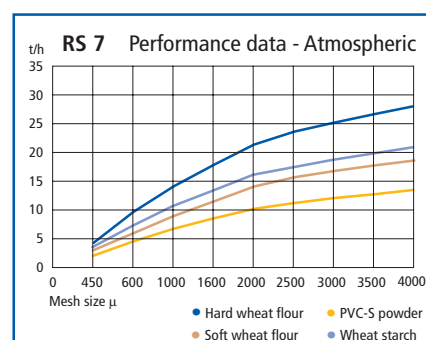
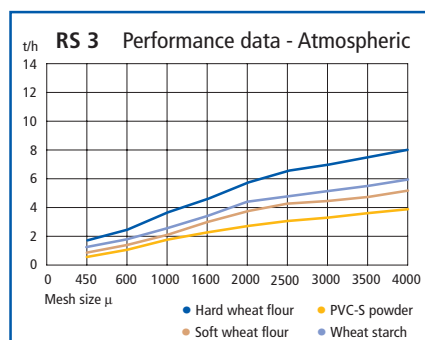
- ➔ Stable, low vibration construction
- ➔ As a standard, prepared for operation with air purge system; double ball bearings protected by specially designed seal rings.
- ➔ Balanced beater shaft; can be removed without dismantling the drive
- ➔ Patented, integrated pre-sifter drum
- ➔ The amount of fines in the overs is between 0.01 and 0.1 %





### Atmospheric or pressure operation? A question of application.

Reimelt delivers sifters for atmospheric operation as well as pressure-tight operation. The atmospheric version is used up- or down stream of storage or discharge hoppers. The pressure tight version is used in inline operation in a pneumatic conveying system.



### Technical data

- 1** Drive motor with V-belt or direct drive
- 2** Product inlet housing
- 3** Screw shaft with bearings, air purge and seals, perforated metal pre-sifter drum with beater shaft and baffle plate
- 4** Sifter screen with sifter drum and fixtures.  
Optional SCREEN-D-TECT sifter drum monitoring
- 5** Rear sealable lid
- 6** Coarse material cone with shut-off valve
- 7** Attachments such as fines cone and unit frame



## The Safety Seal of Approval.

Reimelt sifters offer you all the prerequisites for a trouble free operation. Every unit is subject to a final inspection, quality control and test-run.

Delivery includes a full set of documentation and the final inspection certificate No. 00021, issued from the German Central Office for Accident Prevention (Zentralstelle für Unfallverhütung der BG), for the RS 3 and RS 7 models. Furthermore, all units are inspected according to the ATEX explosion protection guidelines and can be used in the appropriate ATEX-Concept zones.



### SCREEN-D-TECT provides safety to ensure quality.

The electronic SCREEN-D-TECT System for sifter drum monitoring is an available option. The condition of the specially designed sifter screen is constantly monitored during operation. A break-age or wear in the sifter screen will be detected and indicated. This minimizes the risk of production loss or production of faulty batches.



Picture 1: Operating panel with soft touch pad and clear text display for SCREEN-D-TECT

Picture 2: Rotary sifters for powdery products, integrated in a pneumatic conveying system



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