

## About RHEWUM®

The screening machine manufacturer with a passionate commitment

Believe it or not – for over 70 years it has been our objective to manufacture the best screening machines in the world! For our customers, we always aim to deliver the most effective screening machines for their specific task. Of course, we consider our customers' technical and commercial constraints, and adjust each screening machine exactly to their wishes and requirements.

RHEWUM screening machines are “Made in Germany” or more precisely “Made in Remscheid” – for this reason it is no surprise that we are not the cheapest manufacturer of screening machines, but our sophisticated clientele appreciates our established quality. Still not convinced? We will test your material in our technical center and demonstrate to you the performance of our screening machines, live on site! Clear, committed answers instead of cryptic promises are what you can expect from RHEWUM.

Sigurd Schuetz  
Managing Director



RHEduce  
RHEuse  
RHEWUM



We screen for more than size:  
e.g. for a positive impact on the environment.

We work hard at making the world a little bit better:  
by not wasting resources during production, by using renewable energy as much as possible, and last but not least by producing screening machines that save energy.



**RHEWUM®**  
Enjoy the Difference



RHEsono  
Productvideo



We are looking forward to your request!

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**:: Enjoy the Difference**  
Screening Machine RHEsono®

# :: Screening machines with direct excitation of the screen cloth

Screening machines type RHEsono® are used for classification of bulk materials in the finest to medium grain size range. This screen type employs direct excitation of the screen mesh; thus the screen housing only takes a static function. Vibration is imparted into the screen cloth by high speed movement of a transversally mounted rocker shaft, located beneath the screen cloth. The velocity down the screen is determined by the angle of the screen deck. Outside the screen housing rugged electromagnetic drives rock the knocker shafts, conveying the high frequent oscillation directly into the screen mesh, allowing to overcome the adhesive particle forces within the product, loosening the product bed and segregating the product mixture by throwing big particles above the finer ones and separating them by comparison with the mesh apertures.

## Custom-tailored to your particular demands

- Screening areas of 1.7 to 21 m<sup>2</sup> (18 to 226 sq. ft.)
- Single or multideck configuration including screen angle adjustment as per requirement
- Multi-deck-execution optional with increased deck distance and inspection openings in side walls allowing easy product control and service access if necessary
- Different feeding and distributing devices are available
- Optional machine support frame for flexible positioning
- Wide variety of different screen meshes available
- Special designs such as gas sealed, pressure surge proof or stainless steel manufacturing on request

## Particular features of the directly excited RHEWUM® design

- Excellent screening results even with critical products
- Gentle product treatment
- Sharp separations even with high specific screen loads
- Dust tight design, no flexible machine connections, no vibrations induced due to static screen housing
- No increase of dynamic load factors for the building due to vibrations
- Easy and fast screen change due to high accessibility
- Low maintenance due to rugged electromagnetic drives
- Very low specific drive powers due to efficient screen deck excitation
- Low noise emission
- Adaptability of every single drive/ knocker system onto product requirements
- Easy adaption onto your building layout due to modular design

