

Flip-Flow screen OSCILLA

The new JOEST Flip-Flow-Screen OSCILLA is the ideal solution for sticky and difficult to screen materials. Typical applications are inhomogenous and wet recycling materials as well as high moisture and sticky ash, minerals and clay type materials. The particle size is typically between 0 - 100 mm (0 - 4 inches).



Principle of operation:

OSCILLA is a vibratory screen based on a resonance system. The inner frame of the screen is set in motion as a result of the motion of the screen body putting the screen panels in a high vertical motion. The linear or circular motion of the screen is producing an acceleration of the screen deck which can be higher than any other screen before (> 50g). This way the screen deck is kept clean and highest screen efficiency can be achieved even with heavy materials.



The unique and new JOEST patented design connects the screen body with the inner frame with a leaf spring system. This enables much higher stroke and acceleration than comparable systems. The new leaf spring design is not only extremely robust and durable but makes the adjustment of the stroke and acceleration easy without any controls system.

OSCILLA is also available as a multideck Flip-Flow screen or combination of an Flip-Flow and conventional screen. Any available screen deck system from a wire mesh to perforated plate, finger screens or PU rubber panel systems can be used for the top deck.

An important new difference is the individual adjustment and fine tuning of each individual deck. This is made possible with the unique JOEST leaf spring system. The cross members for the screen deck are specially designed to avoid material getting stuck or built up. The screen mats are bent against the side walls. This way the open screen area and effective width are maximized. Based on the longterm experience JOEST offers several proven solutions for the side sealing of the screen deck to ensure that no feed product can bypass the screen deck.

For the drives there are 2 and 4 bearing circular motion drives as well as exciters and unbalanced motors available. All are proven heavy duty JOEST manufactured technology which are used for decades and of highest quality. The different drive systems offer oil and grease lubrication.

Key features:

- + Significantly higher stroke
- + Acceleration values > 50g
- + Horizontal leaf-springs as connecting element (JOEST patent)
- + Adjustable oscillating angle
- + Reduced elevation for easier integration
- + Multideck Flip-Flow
- + Combination of Flip-Flow screen deck and conventional screen deck possible
- + Individual fine tuning of screen decks
- + Screwless clamped screen mats installation
- + Quick and easy exchange of screen mats

Typical applications:

- Municipal waste
- Industrial waste
- Compost
- E-Scrap
- Shredded scrap
- RDF
- Minerals
- Ore
- Coal
- Sand / Gravel
- Clay type materials

Deliverable standard-sizes:

The deliverable standard-sizes vary from 900 mm (35 inch) to 3000 mm (118 inch) width and a length between 3000 mm (118 inch) and 9000 mm (354 inch).