

Are you looking for a particularly economical and reliable solution, field-proven in years of preparation technology? The answer is Schenck Process, a name standing for successful products and systems for weighing, feeding, and screening. As screen manufacturers, we are nationally and internationally renowned. With the LinaClass, we are presenting an advanced series offering the right Linear-Motion Vibro Screen for any bulk solid or requirement. This new screen series is equipped with the reliable Schenck Directed-Force Exciters of the DF type: a drive concept that excels in a long service life, low noise level and minimum maintenance.

The screens are primarily used for pre-classifying and classifying in preparation plants. The LinaClass is designed to cope with high feed rates in an economic and reliable manner. The Vibro Screen also displays its forte in washing and dewatering: a long service life of the screen and mats. The powerful screens have proven their worth in the screening of sand, gravel, ore, coal and crushed materials in the mining industry's dry and wet processes, under even the most harsh operating conditions.



LinaClass SLK

Schenck Double-Deck Screens of the SLK series are used for screening of flow rates of up to 3,000 t/h and grain sizes of approx. 400 mm. These screens are ideally suited for the separation of material into multiple fractions due to their large screening area and compact design.

- ❑ **Maintenance-friendly drive concept and low operating costs.**
- ❑ **Long bearing life due to oil lubrication and directed-force exciters equipped with four bearings.**
- ❑ **Easy maintenance and repair.**
- ❑ **Favourable price-performance ratio and high degree of availability.**

The LinaClass product family is based on a new modular system with standardized assemblies which ensure optimal solutions for even the most difficult screening jobs. Schenck Linear-Motion Vibro Screens are used for screening from smallest to biggest flow rates. The range of products comprises screening areas of 600 to 4,000 mm width and 2,500 to 10,000 mm length. Thanks to their rugged design, they easily meet all requirements of round-the-clock operation. Optimum vibration damping, if necessary with isolation frame, is another striking feature. These Screens are operating successfully in the most diverse industries.



LinaClass SLF

The Double-Deck Linear-Motion Vibro Screen for flow rates of up to 500 t/h. Cutpoints from 1 to 50 mm. Bulk densities of the materials screened up to 1.8 t/m³.



LinaClass SLG

The Single-Deck Linear-Motion Vibro Screen for flow rates of up to 2,000 t/h. Cutpoints from 5 to 100 mm. Bulk densities of up to 3.5 t/m³. Screen mats are highly wear-resistant.

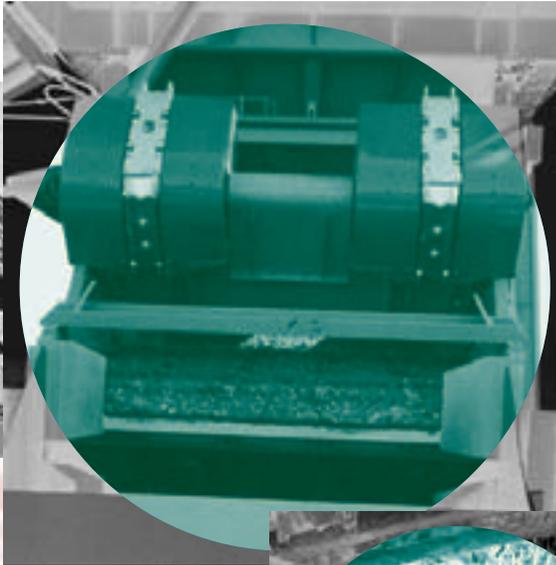
LinaClass SLO

The Single-Deck Linear-Motion Vibro Screen for flow rates of up to 3,000 t/h. Cutpoints from 1 to 50 mm. Bulk densities of up to 3.5 t/m³. Banana Screen for thin-layer screening with a high portion of fines in the feed material.



LinaClass SLC

The Dewatering Screen for gravel on a floating dredge. The inclined screen bottom in the upper deck serves as a protective deck and enables the formation of an even material layer in the lower deck, thus ensuring efficient dewatering. At the same time, the protective deck increases the life of the dewatering deck. The raw gravel can be conveyed on belts and stored in silos.



LinaClass SLH

The Linear-Motion Vibro Screen for screening of hot bulk materials with flow rates of up to 1,000 t/h. They excel through optimal vibration damping, if necessary using isolation frames. The long-life screen mats stand up to even the most extreme temperatures of up to 1,000°C.

LinaClass SLB

The Single-Deck Dewatering Screen for sands with flow rates of up to 500 t/h. Adjustable rear walls offer flexibility for any application and ensure optimal dewatering results. The sands can be transported on conveyor belts and stored in stockpiles or silos.



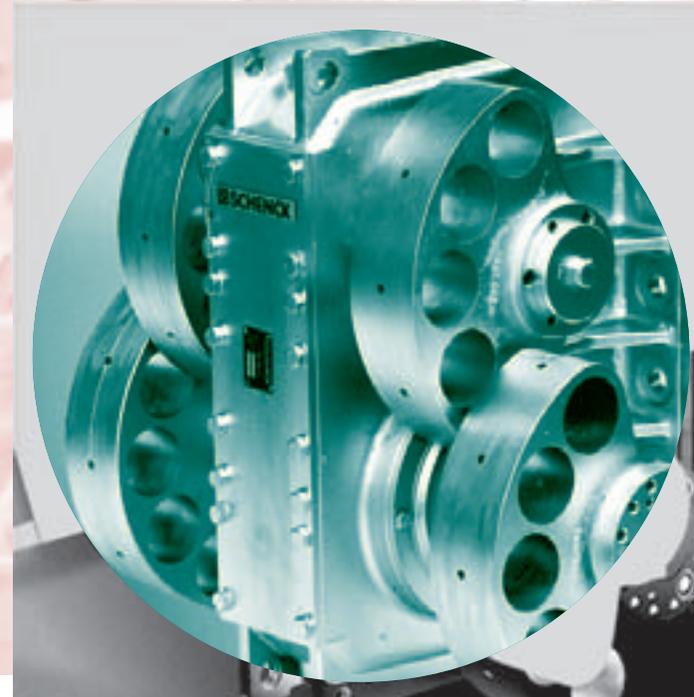
LinaClass SLR

The Crusher-Relief Screen for crusher charging and relief. Its rugged design insensitive to loads makes it perfectly suited for the demands of harshest operation, with feed rates of up to 3,000 t/h. Cutpoints between 60 and 200 mm, in special cases up to 400 mm.

Directed-Force Exciters DF

All screens of the LinaClass family are equipped with the proven Schenck Directed-Force Exciters of the DF type driven by a non-co-oscillating standard motor via coupling shaft. Directed-force exciters offer distinct advantages over the use of unbalance motors: defined force flows and defined mechanical loads in the vibrating machine. This makes the vibration data to a large extent independent of material loads. Furthermore, the Schenck Directed-Force Exciters excel in long service life, low noise level and minimum maintenance.

The advantages of the Schenck Directed-Force Exciters are convincing! High degree of availability and operating safety. Quick and easy exchange of the complete drive unit. Minimal service requirements and low operating costs thanks to the reliable maintenance-friendly Schenck Directed-Force Exciter. Long-term safety of investment through worldwide presence. Spare parts and repair service over a period of 15 years.



We test for you!

Do you have difficult conveying and screening duties or new applications? Upon request, we test your special requirements in our test field and develop the optimum solution for you. You are welcome to utilize our decades of experience.