

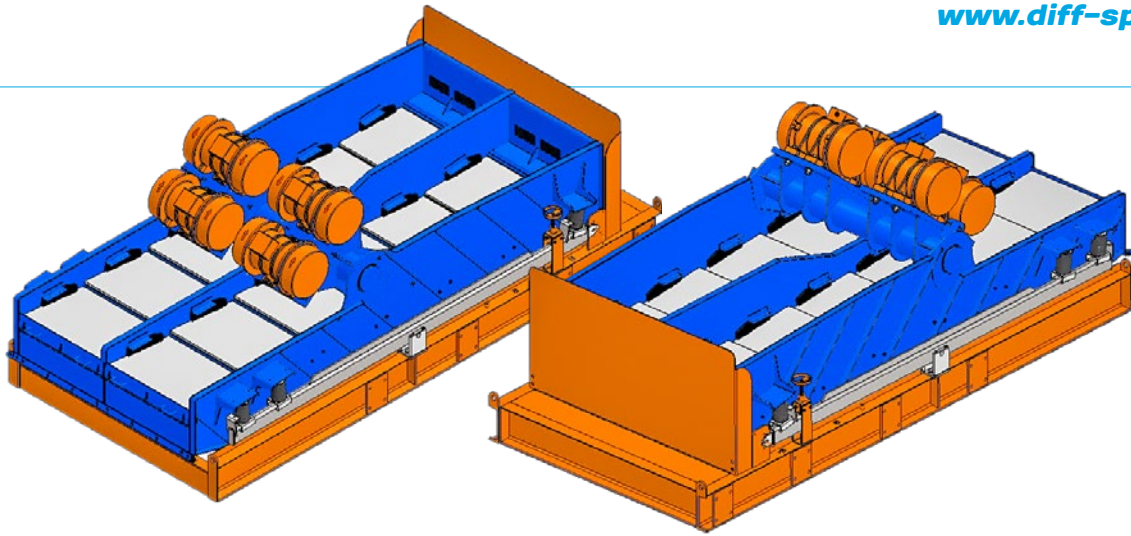
DSE separation plant

Shaker 6PSD

The 12-panel screening machine 6PSD is used for dewatering heterogeneous solid-liquid mixtures.

With an acceleration force of up to 6.3 G, it sets the frame sieves installed on it in motion, as a result of which the solid particles contained in the applied suspension are dewatered.

The grain size or the degree of fineness of the separation results from the mesh size of the sieves. Coarse sieves made of polyurethane with mesh sizes of 11 x 3.5 mm to 11 x 0.3 mm and fine meshes made of woven stainless steel with mesh sizes of 70 mesh (210 µm / 0.21 mm) to 325 mesh (45 µm / 0.045 mm) are available.



Characteristics

- Separation of fine particles in the critical range from 100 to 45µm
- Equipped with 12 frame screens arranged on one level, which are available in stainless steel or polyurethane depending on the application
- Screen angle adjustment system for direct adaptation to the respective requirement situation
- Thanks to the hammer wedge fastening system, the screens can be exchanged quickly and easily

Applications

- Drilling fluids in the construction industry (e.g. tunnel construction, horizontal and vertical drilling)
- industrial sludge (e.g. coke dust, tar oil, glass fiber / water mixtures)
- Agriculture (e.g. dewatering of cow dung or organic waste)
- Sludge dewatering in gravel, clay and sand processing

Transport dimensions

Length	4750 mm
Width	2300 mm
Height	1750 mm
Weight (approx.)	5500 kg

Technical specifications

Vibration motors

Installed	4 pcs.
Installed power	4 x 3.6 kW
Voltage	400V / 50Hz / 3phase

Screens

Installed	12 pcs.
Movement	linear
Surface area	6,47 m ²
Inclination	-5° to +3°
Flow max.	450 m ³ /h

