

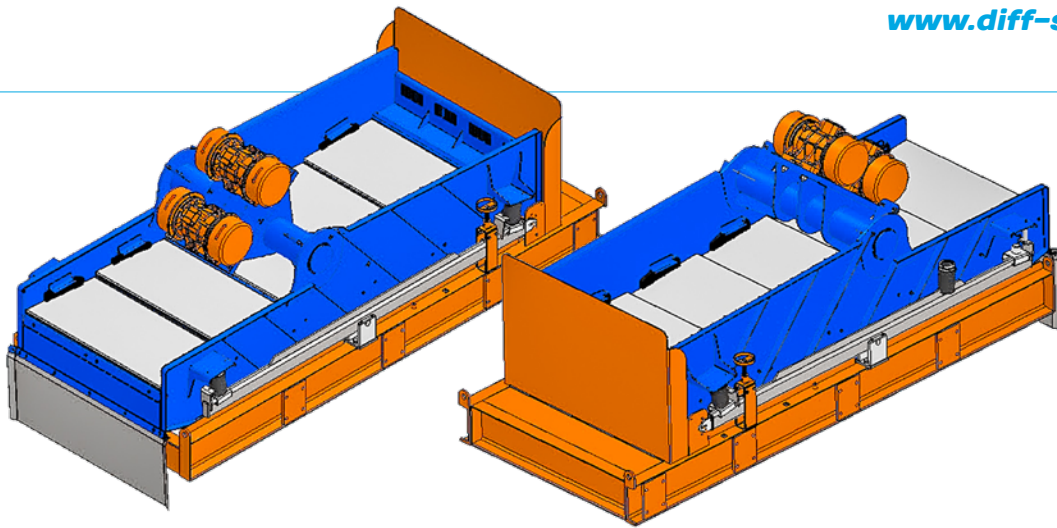
*DSE separation plant*

## **Shaker 5PSM**

The 5-panel screening machine 5PSM 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 45 µm
- Equipped with four 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 sieves 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	3954 mm
Width	1690 mm
Height	1442 mm
Weight (approx.)	2555 kg

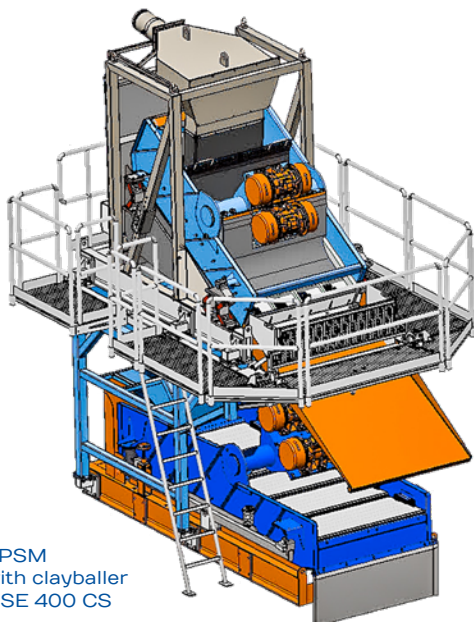
### Technical specifications

#### Vibration motors

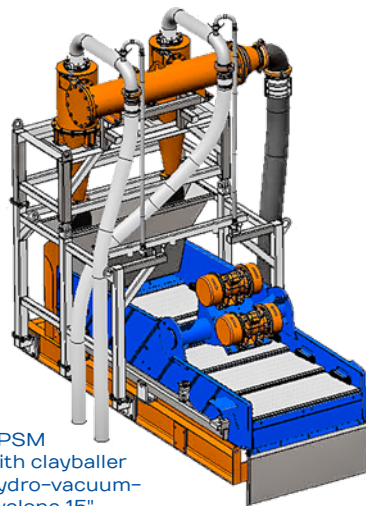
Installed	2 pcs.
Installed power	2 x 3.6 kW
Voltage	400V / 50Hz / 3phase

#### Screens

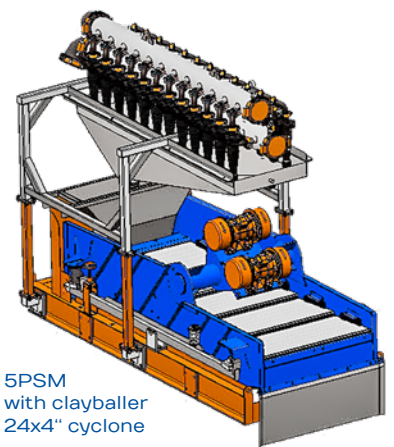
Installed	5 pcs.
Movement	linear
Surface area	4,1 m²
Inclination	-5° to +3°
Flow max.	350 m³/h



5PSM  
 with clayballer  
 DSE 400 CS



5PSM  
 with clayballer  
 hydro-vacuum-  
 cyclone 15"



5PSM  
 with clayballer  
 24x4" cyclone