

# Dewatering Screens

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## Description

Enjoying immense popularity for many years on small horizontal and inclined screens, **FR Engimech Private Limited** is the company is complete the arrangement of this simple drive on large dewatering screens. This single development has resulted in tremendous advantages as far as maintenance, compactness, and simplicity are concerned. In addition to the simplicity of the drive, many other features are included to provide a machine specifically designed for heavy duty applications, long life, and low operating and maintenance costs at a competitive price. The standard range of the screen of the porch is presented later in the brochure, and these are normally available at lower distributions.

**How Dewatering Screens Work.** To Dewater material effectively, slurry is fed onto a steep, downward inclined screen surface at the feed end of the Dewatering Screen to achieve rapid drainage.

A pool of water begins to form in the valley as material builds up on the slightly upward inclined surface.

Dewatering Screens helps materials dewatering, grading, descaling, desliming and recycling silver sand. It is widely applied for dewatering, desliming, deintercalation, which can be used to sand and stone washing plant, coal preparation plant, sludge recycling, mineral processing plant, tailings dry discharge etc.

### **Features:**

- 1) The dehydration effect is good, efficiency is high, sturdy and durable.
- 2) Fine grained dewatering, slime or tailings recovery, mineral, coal processing.
- 3) We adopt the polyurethane (UHMW- PE) screen cause it has longer service life than other types of screen, and will not block the holes.
- 4) It can effectively reduce the loss of fine sand and control it between 5% and 10% .
- 5) Different solutions can be designed according to your requirements.

### **Benefit:**

The advantages of dining screens are that the use of the following devices is now rendered redundant: with external drives, V-belts or cardan shafts. Oil bath oscillator, with synchronizing gears and oil leaks. Motor support stand, or overhead structure for motor support.

**Snubbers** – Screen-mounted drives have eliminated the need for snubbers to minimize damage to V-belts and external motors during large oscillations.

Bearing failure is limited to the bearing itself. A failed bearing particle cannot propagate in an oil bath and cause other bearings and possible losses of synchronizing gears.

**Compactness** – The screen can be deployed with very little space wastage. A vibrator motor with minimal downtime is required, requiring reconditioning. Due to the absence of gears and way-belts, units use less power than conventional drives.



**F R ENGINECH**  
PRIVATE LIMITED