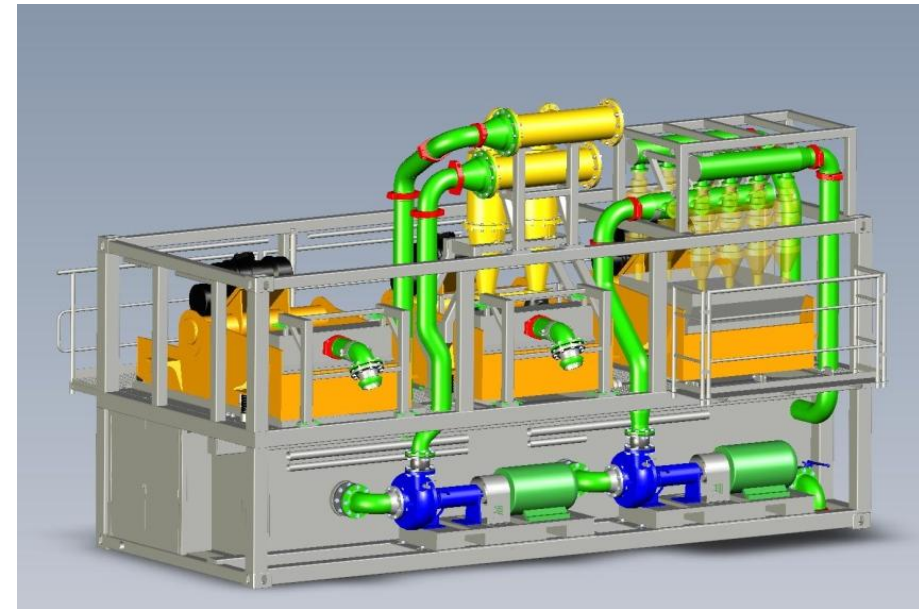
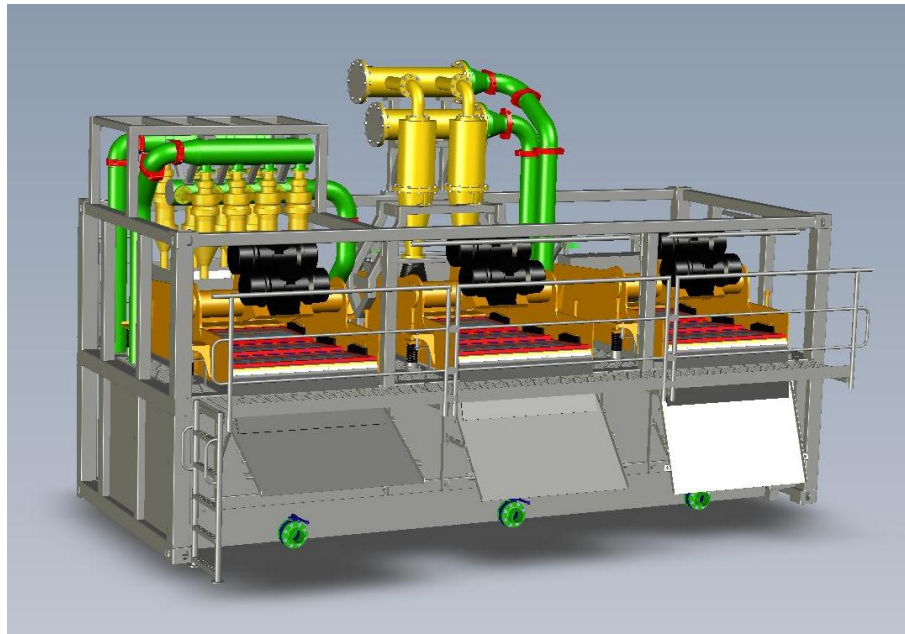


Description

The ITE MiniKompakt-2 is a compact and powerful desanding and separation plant designed to dewater slurries.

The plant is equipped with

- a 3-chamber tank integrated into a 20ft frame
- three screening machines, each equipped with 3 screens
- two installed feed pumps for feeding the cyclones with material
- 2 x 12" hydro vacuum cyclones for the treatment of sandy to silty slurry properties
- a compact desilter unit consisting of 8 x 6" hydro cyclones for separating fine solids from slurry
- an integrated control cabinet



Due to the 20ft container dimensions, the ITE MiniKompakt-2 separation plant guarantees minimum setup times and an easy transport.

The plant is immediately ready for operation on site and does not require any time-consuming connection work.

Fold out platforms and handrails ensure safe working and allow optimum access to the individual plant components.

Transport dimensions

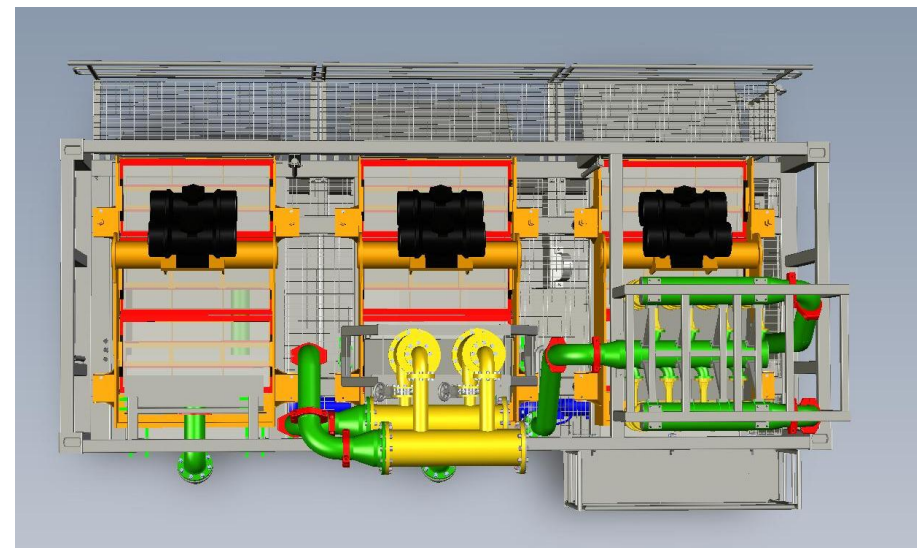
- Length: 6050 mm
- Width: 2440 mm
- Height: 2590 mm
- Weight (total): approx. 13,000 kg

Technical Specifications

Capacity based on the following specifications: 150 - 240 m³/h*

- Viscosity: 30 - 100 sec
- Max. density: 1.25 kg/dm³
- **Cyclones**
 - Hydro vacuum cyclones
 - Number: 2 pcs.
 - Cyclone size: 12 inches (305 mm)
 - Cut-point (d₅₀): 45 µm
 - Desilter cyclones
 - Number: 8 pcs.
 - Cyclone size: 6 inches (153 mm)
 - Cut-point (d₅₀): 30-45 µm
- **Screening machines**
 - Number: 3 pcs.
 - Screen area (per screening machine): 2.4 m²
 - Angular adjustment: 0° to +3°
 - Power supply
 - Rated power (total) (3x3 kW): 9.0 kW
 - Supply voltage: 400 V / 50 Hz
- **Screens**
 - Scalping screens
 - Number: 3 pcs. (on screening machine 1)
 - Screen area (total): 2.4 m²
 - Fine screens
 - Number: 6 pcs. (3 on machine 2 & 3, respectively)
 - Screen area (total): 4.8 m²
- **Feed pumps**
 - Centrifugal pumps 6 x 5 x 14 (Hard Iron) with mechanical seals (Number: 2 pcs.)
 - Desanding cycle (2 x 12"): max. 240 m³/h
 - Desilter cycle (8 x 6"): max. 240 m³/h
 - Power supply
 - Rated power (total): 2 x 37 kW = 74 kW
 - Supply voltage: 400 V / 50 Hz
- **Tank (3 chambers)**
 - 1st chamber for scalping screen & desander underflow
 - 2nd chamber for desilter underflow
 - 3rd chamber for desilter overflow
 - Tank capacity: approx. 12 m³

*depending on the characteristics of the material to be separated.



Screen mesh widths are subject to the respective grain size distribution curve.