

Mobile Screening and Dewatering Plant

The D:MAX is a mobile screening & classification system which efficiently removes grit, screenings and other troublesome solids from your waste stream.

A specialist plant that is used in tank cleaning projects to screen and dewater material from sludge holding tanks, primary tanks, digesters, storm detention tanks, pumping stations and culverts.

It is mounted on a low loader trailer and transported to site by a tractor unit for temporary deployment.

The mobile screening and dewatering process:

1. Remove wet material from the tank using the DISAB.
2. The DISAB is connected to the mobile screening plant and transfers material directly into the mobile screening plant.
3. The material is screened and the dry material is separated into grit and screenings which is deposited into two separate skips.
4. The screened effluent is pumped into the site drainage or site process.

The mobile screening unit will:

- Reduce the volume of the waste for offsite disposal by up to 90%
- Screen and dewater the waste onsite

How does it work?

First Stage

The wet material is delivered to the Mobile Screening and Dewatering Plant and fed directly onto the primary course vibrating screen where the screenings are removed. This dry material is discharged into a skip at the end of the primary screen.

Second Stage

The wet material passes through the course screen drops into a hopper and is pumped from the hopper to a hydro-cyclone. The grit size particles are separated from the liquid by centrifugal force and dropped onto the final vibrating screen for final dewatering and are discharged into a skip at the end of the final screen.

Third Stage

The screened wastewater is pumped from the hydro-cyclone into the customer's site drainage or site process.

The operation is continuous and the pumps and screens are electrically driven by a 200 KVA generator that is fitted to the front of the low loader chassis.



Dry material from Mobile Screening and Dewatering Plant deposited into skip.



DISAB and Mobile Screening and Dewatering Plant.