

Topic: VIBROPLAN builds semi-mobile container with screening and dewatering device

Task:

Dewatering and wet screening of mixed bauxite and clay. Fitting the container into a wet processing plant with connections to both sides, up and down.

Used machine(s):

Wet classifying screen SCC 900/3500-UM939-6

Dewatering machine SCW 900/2000-2UM285-6 with junction box and spray facilities

Steel construction with railings and platform, chutes rubberized

Total weight of unit: 13.500 kg

... more see back

Special advantages for the customers:

Delivery to the customer completely mounted in condition (see picture).

Delivery volume from easiest connection to easiest connection.

Articulate reduction of planning quantity for the purchaser. Best screening accuracy because of banana shaped classifying machine.

Flushable chutes to avoid adherences.



Chemical industry



Pharmacy



Food



Organic



Environment



Glass



Plastic



Minerals



Ores



Building mat.



Steel & Cast



... Continuation

The shown unit is the middle section of a 3-part semi mobile Bauxite processing plant. The wet screening device of VIBROPLAN is charged first with the passage of a drum screen (48t/h solids, 50m³/h liquids).

30m³ Water could be added by the spray device. Grading is at 2mm.

Because of the banana shaped screen with a barrier bar the oversize product is so far dewatered to get transported by a elevating conveyor. The undersize product (0/2) gets into a pump swamp and then into a hydro cyclone. This machine dewateres the passage of the hydro cyclone (35t/h solids, 40m³/h liquids).

The oversize product of the dewatering device is also put onto the elevating conveyor, the undersize product gets into the pump sump. Thus conveyor belt capability of overflow also is achieved.

