

## DEWATERING OF SAND



### APPLICATION AND OPERATION:

Fine sand from the beach is open pit mined, where precious heavy metals are washed out.

After the dewatering process the sand is ready to be conveyed on belts and is stored close to the pit.

Each machine dewateres 300 t/h sand with an initial humidity of approx. 40% which is reduced to 13 to 16% residual humidity depending on the grain size.

In order to achieve the desired dewatering effect, an ideal combination of stroke and speed was determined.

Since 99% of the material is smaller than 0,315 mm, special screen decks made of polyurethane were developed for this application.

The grid opening is 0,35 x 13 mm.

### TECHNICAL DATA:

Type of machine:	SRW 2440 x 6100
Length:	6.100 mm
Width:	2.440 mm
Weight:	13,5 t
Drive units:	2 exciter drives JR 806 driven via a 45 kW-motor
Product:	Coast sand with water
Grain size:	< 0,315 mm
Capacity:	300 t / h (sand)
Initial humidity:	40 %
Residual humidity:	13 to 16 % depending on the grain size

### YOUR BENEFIT:

- Heavy-duty design for long life-time.
- High dewatering efficiency.
- Only few fines in the water circuit.
- Wear-resistant screen decks made of polyurethane material.