

Dewatering of sand

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.



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

Technical data:

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| - Machine type: | SRW 2440 x 6100 |
| - Length: | 6.100 mm |
| - Width: | 2.440 mm |
| - Weight: | 13,5 t |
| - Drive unit: | 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 - 16 % depending on the grain size |



Comparable application