

SANDEXX

Double sand trap

Efficient dewatering and refining of sand

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we process the future



Advantages of sand drainage with SANDEXX

Sand production in a Binder+Co **SANDEXX double sand trap** is efficient and energy-saving. Efficient because cleaning and dewatering are carried out in one operation, utilising a large pool area and gravity sedimentation. In addition to the low operating costs, the double sand trap from Binder+Co convinces with exceptionally low maintenance costs. The SANDEXX sand trap reliably dewateres and cleans sand mixtures over a wide range (quantity and composition). An optional flap in the discharge chute of the fine sand wheel allows the fine sand product to be mixed with the coarse fraction as desired. A robust design and long service life characterise this machine.

SANDEXX: refining of sand and gravel

The Binder+Co **SANDEXX double sand trap** consists of a trough, a wear-protected inlet baffle chamber and two scoop wheels with connected Archimedes screw. The sand is scooped out of the trough through the buckets on the wheel body. These buckets are equipped with wear-resistant, replaceable, conical PU slotted sieve mats. Special drainage chambers in the wheel body and a larger gap width of the screen mats in the upper area ensure rapid drainage of the surface water. The scoop wheels are driven separately. Optionally, the sand trap can be equipped with a load-dependent speed control that guarantees optimum bucket filling and dewatering of the product. This enables the sand products to be manipulated via conveyor belts without an additional dewatering screen.

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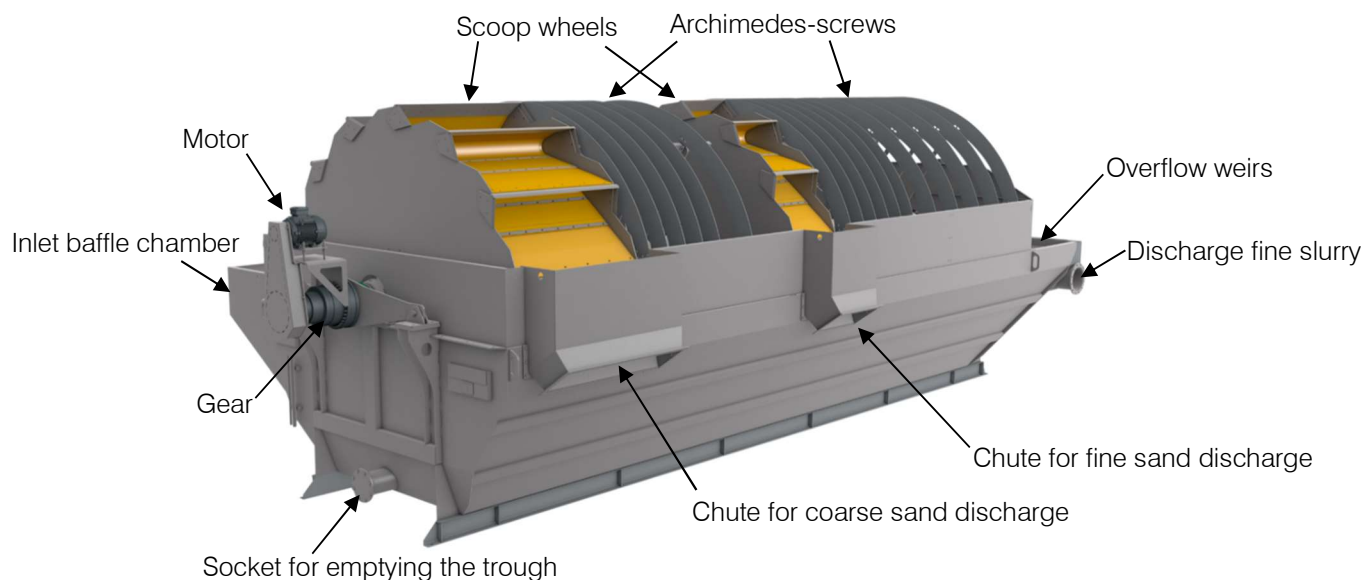


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SANDEXX: how sand and gravel refinement works

After entering the wear-protected inlet baffle chamber, the slurry is calmed. Under the effect of gravity, the sand particles settle down in the trough and the dissolved sludge particles are discharged via the overflow weirs. A correspondingly large pool area promotes sedimentation and the extraction of fine sand.

Technical parameters SANDEXX

Portfolio Double sand trap BDSF

Capacity sand [t/h]	30 – 215
Capacity of water to separate the sludge fraction [m³/h]	160 – 340
Trough length [mm]	9100 – 11100
Trough width [mm]	2700 – 4200
Pool area [m²]	21 – 40
Power coarse sand wheel 4-pin [kW]	3 – 11
Power fine sand wheel 8-pin [kW]	1,5 – 5,5

