

# SANDEXX Sand trap

Efficient dewatering and refining of sand

**binder+co**

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## Advantages of sand drainage with SANDEXX

Sand production in a Binder+Co **SANDEXX 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 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). A robust design and long service life characterise this machine.

## SANDEXX: refining of sand and gravel

The Binder+Co **SANDEXX sand trap** consists of a trough, a wear-protected inlet baffle chamber and a scoop wheel 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. 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 product to be manipulated via a belt conveyor without an additional dewatering screen.

Binder+Co, Grazer Straße 19-25, 8200 Gleisdorf, Österreich, Tel.: +43-3112-800-0\*, [office@binder-co.at](mailto:office@binder-co.at), [www.binder-co.at](http://www.binder-co.at)



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THERMAL  
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SORTING



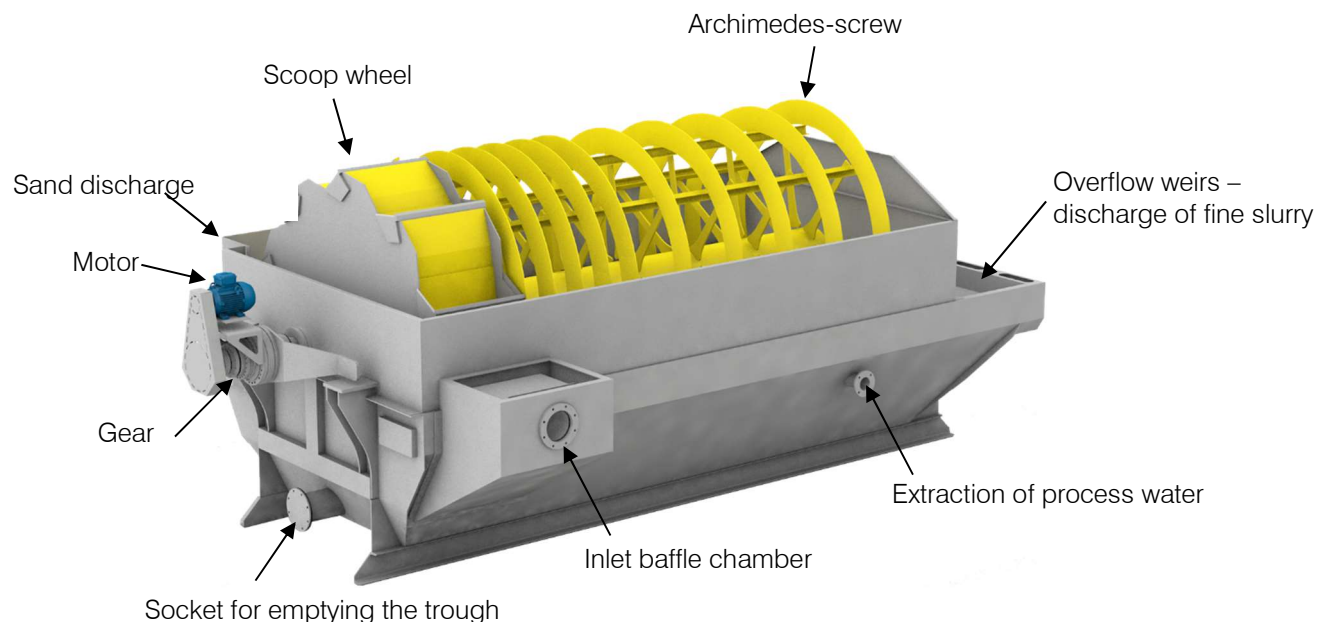
BAGGING  
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## SANDEXX: how sand and gravel refinement works

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 data SANDEXX

### Portfolio sand trap BSF

Capacity sand/gravel [t/h]	30 – 205
Capacity of water to separate the sludge fraction [m³/h]	70 – 320
Trough length [mm]	2900 – 10800
Trough width [mm]	2700 – 4200
Pool area [m²]	7,8 – 36,5
Power 4-pin [kW]	3 – 15

