

SANDEXX Scoop wheel

Efficient dewatering and refining of sand and gravel

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Advantages of SANDEXX

Sand & gravel cleaning and dewatering in the Binder+Co **SANDEXX scoop wheel** is efficient and energy-saving. Efficient because cleaning and dewatering take place in a single operation. In addition to the relatively low operating costs, the Binder+Co scoop wheel impresses with exceptionally low maintenance costs. The **SANDEXX scoop wheel** reliably dewateres and cleans sand and gravel mixes in a wide range (quantity and composition). A robust design and long service life characterise this machine.

SANDEXX: efficient dewatering of sand and gravel

The **SANDEXX scoop wheel** consists of a trough, a wear-protected inlet baffle chamber and a wheel body fitted with buckets. To the side of the wheel body are the overflow weir units for separating and discharging the fine sand and slurry particles. Optionally, the wheel body can be driven by a load-dependent speed control, which guarantees optimum bucket filling and dewatering of the product.



Fields of application

In addition to sand and gravel, the **SANDEXX scoop wheel** can also be charged with stones up to a grain size of 125 mm. Besides sand washing the **SANDEXX scoop wheel** is also suitable as a primary dewatering unit for coarse-grained, aqueous turbid after conveying by a suction dredger.

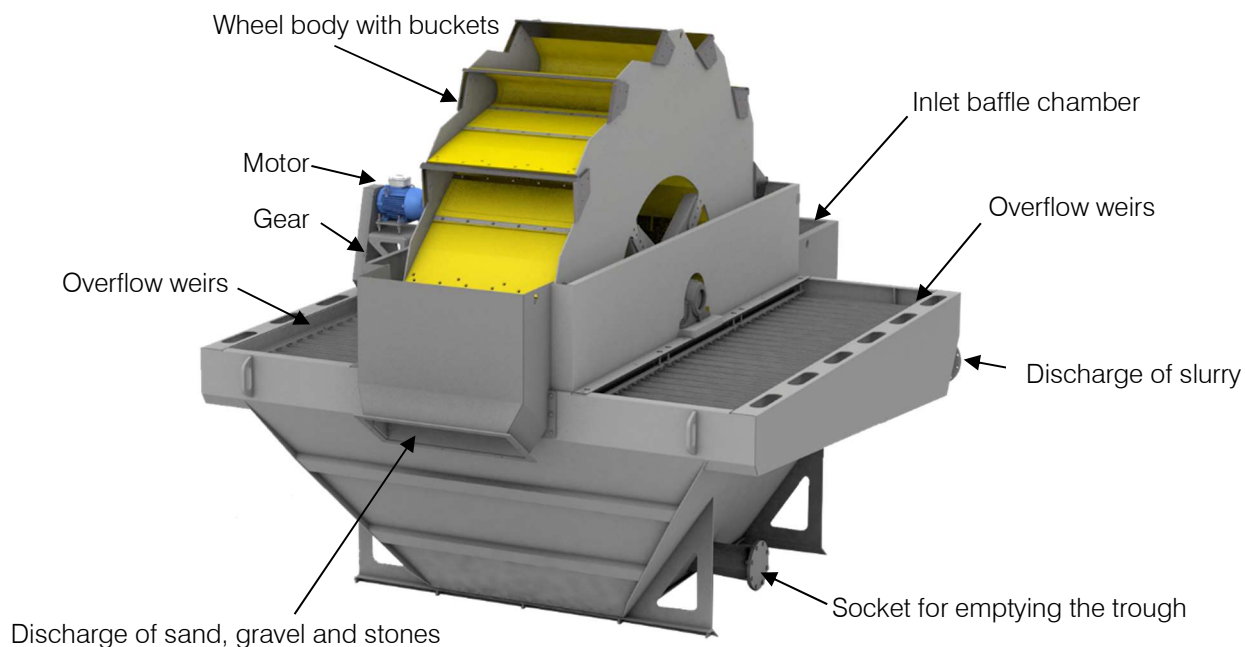
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SANDEXX: how gravel and sand refinement works

The feed slurry runs through a wear-protected inlet baffle chamber. The sand or gravel is scooped out of the trough through the buckets on the wheel body. These buckets are equipped with wear-resistant, replaceable, lateral and frontal scoop knives as well as conical PU slotted screen 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.

Technical data SANDEXX	Portfolio Scoop wheel BSR
Grain size feeding material [mm]	0 – 125
Capacity of sand & gravel [t/h]	30 – 370
Capacity of water [m³/h]	22 - 1200
Trough length [mm] (in direction of the wheel axis)	2600 – 6300
Trough width [mm] (incl. inlet chamber and discharge chute)	4000 – 9800
Pool area [m²]	5 - 26
Power 4-pin[kW]	2,2 - 15

