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XS ULTRA SAND WASH PLANT

INNOVATOR OF INTELLIGENT SAND WASHING SOLUTION

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Airport industry cluster area, Luoyang City, Henan Province

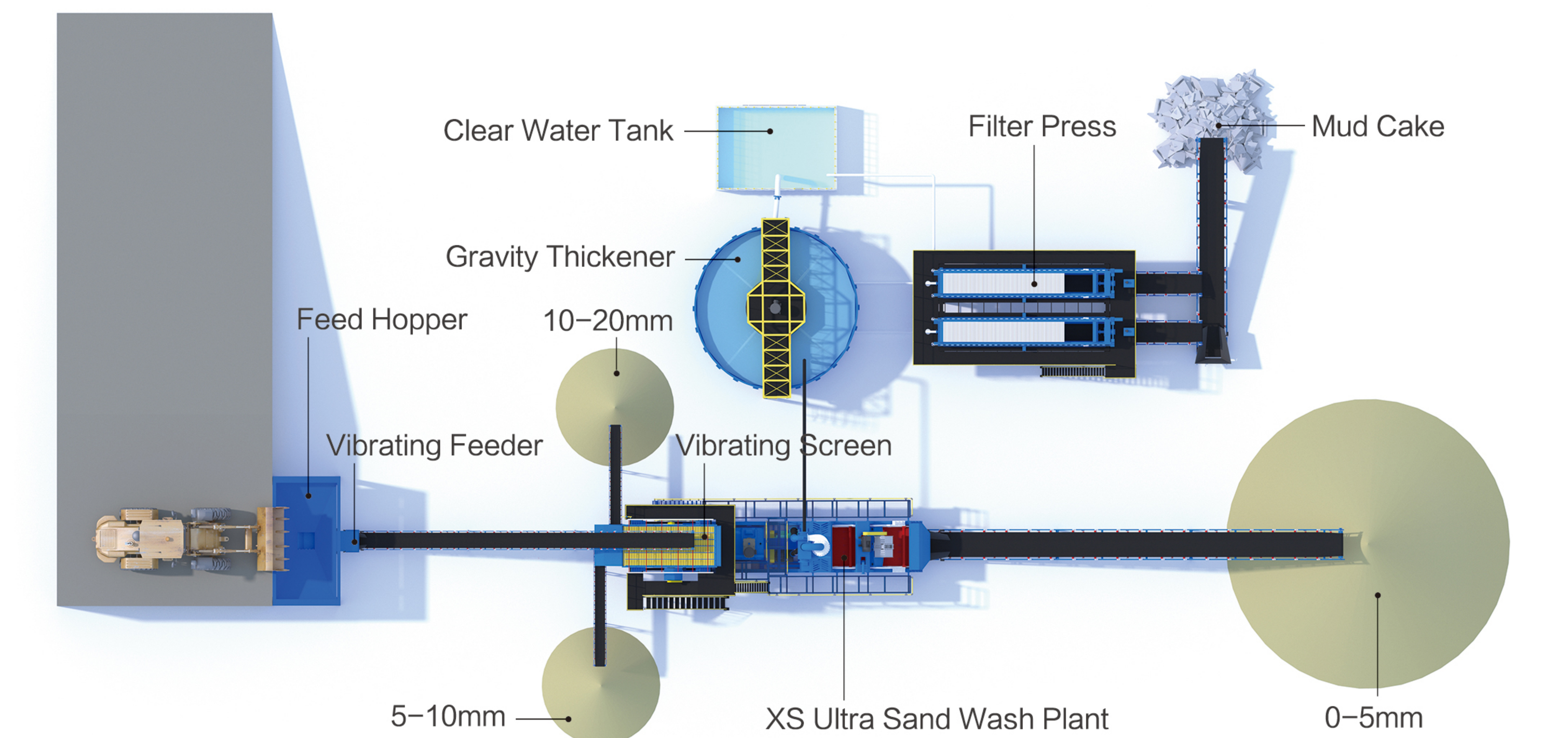
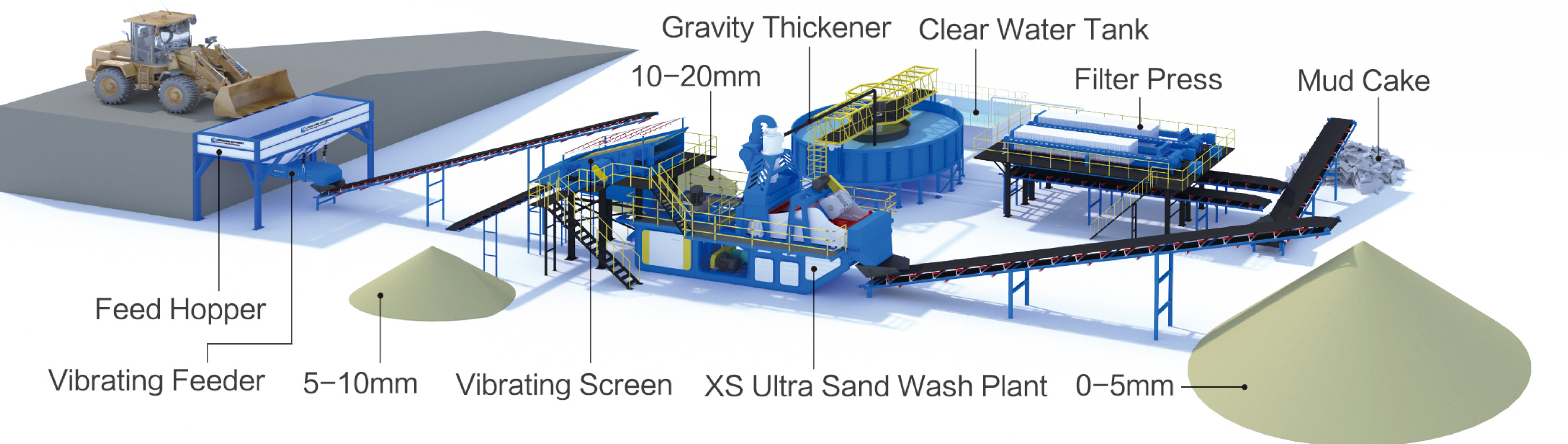
The underflow material of the cyclone enters the coarse sand dewatering area of the linear screen for dewatering; while the overflow material enters the water tank through the return pipe for circulating cleaning and replenishing the water tank, thus realizing the efficient sand washing.

Model	Capacity(t/h)	Scrubber Spec (mm)	Hydrocyclone (mm)	Screen Spec (mm)
XS50	50	CX2-1	550	1530
XS100	100	CX2-2	660	1848
XS150	150	CX3-1	710	2448
XS200	200	CX3-2	2x660	3060
XS250	250	CX4-1	2x660	3660
XS300	300	CX4-2	2x710	4272

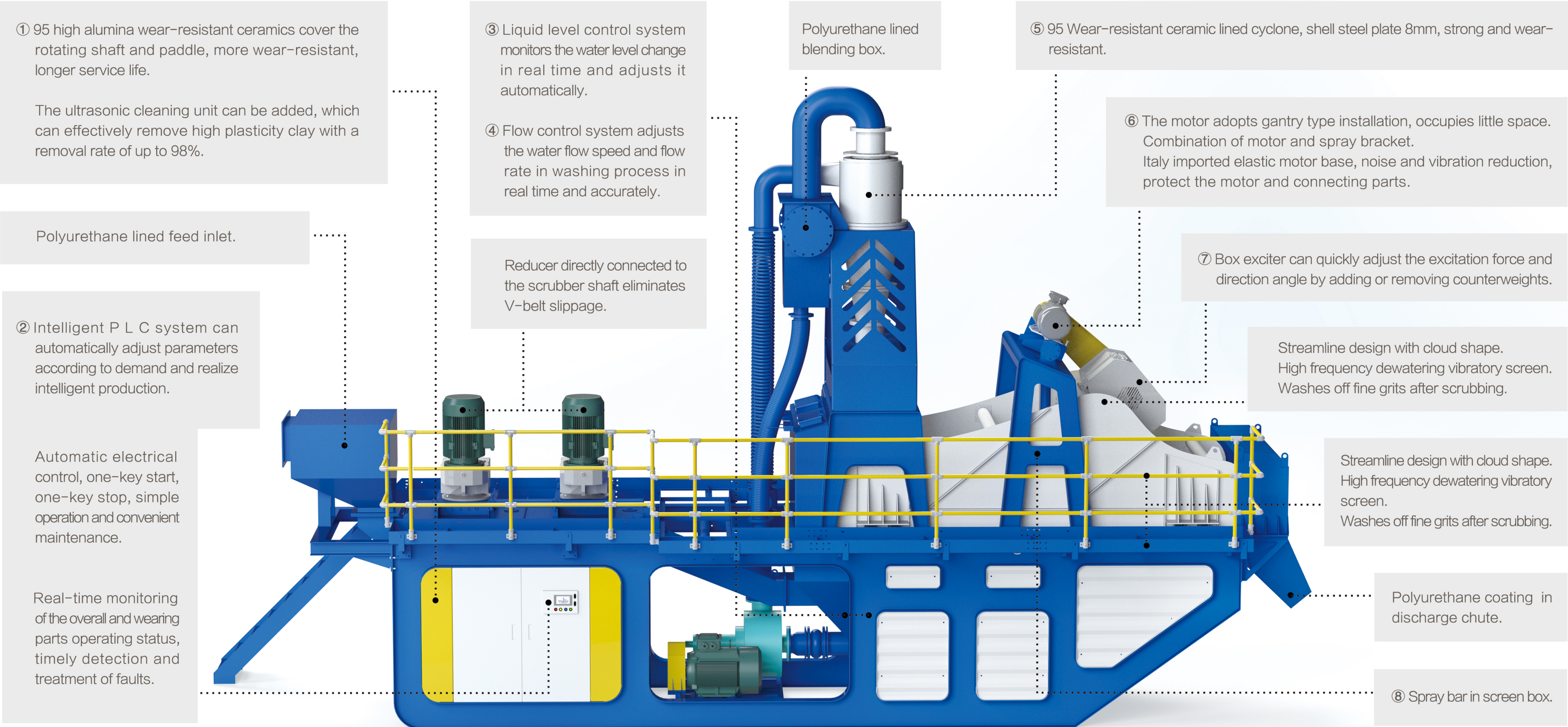
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graph LR
    Feed[Feed] --> AS[Attrition Scrubber]
    AS --> HC[Hydrocyclone]
    HC --> WWT[Wastewater Treatment]
    HC --> DS[Dewatering Screen]
    DS --> FS[Final Sand]
    DS -- Chute --> ST[Screen Tank]
    ST -- Pumping --> AS
    ST -- Spray --> DS
  
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A 3D perspective rendering of the XS Ultra Sand Wash Plant. The system is shown processing material from a grey pile on the right. A yellow front loader is positioned at the top of the pile, feeding material into a blue 'Feed Hopper'. From the hopper, a black conveyor belt leads to a 'Vibrating Feeder', which then feeds into a 'Vibrating Screen'. The material from the screen goes to the 'XS Ultra Sand Wash Plant', a complex blue structure with multiple levels and conveyor belts. This plant produces two outputs: a '0-5mm' sand product shown as a green cone on the left, and a '10-20mm' sand product shown as a smaller green cone. The '10-20mm' product is then sent to a 'Gravity Thickener', a large blue cylindrical tank. The thickener's output goes to a 'Filter Press', another blue machine. The filter press produces 'Mud Cake', shown as a grey pile at the bottom left, and 'Clear Water', which is collected in a 'Clear Water Tank' at the bottom right. The entire system is set on a light blue base with a grey ramp leading up to the feed hopper.



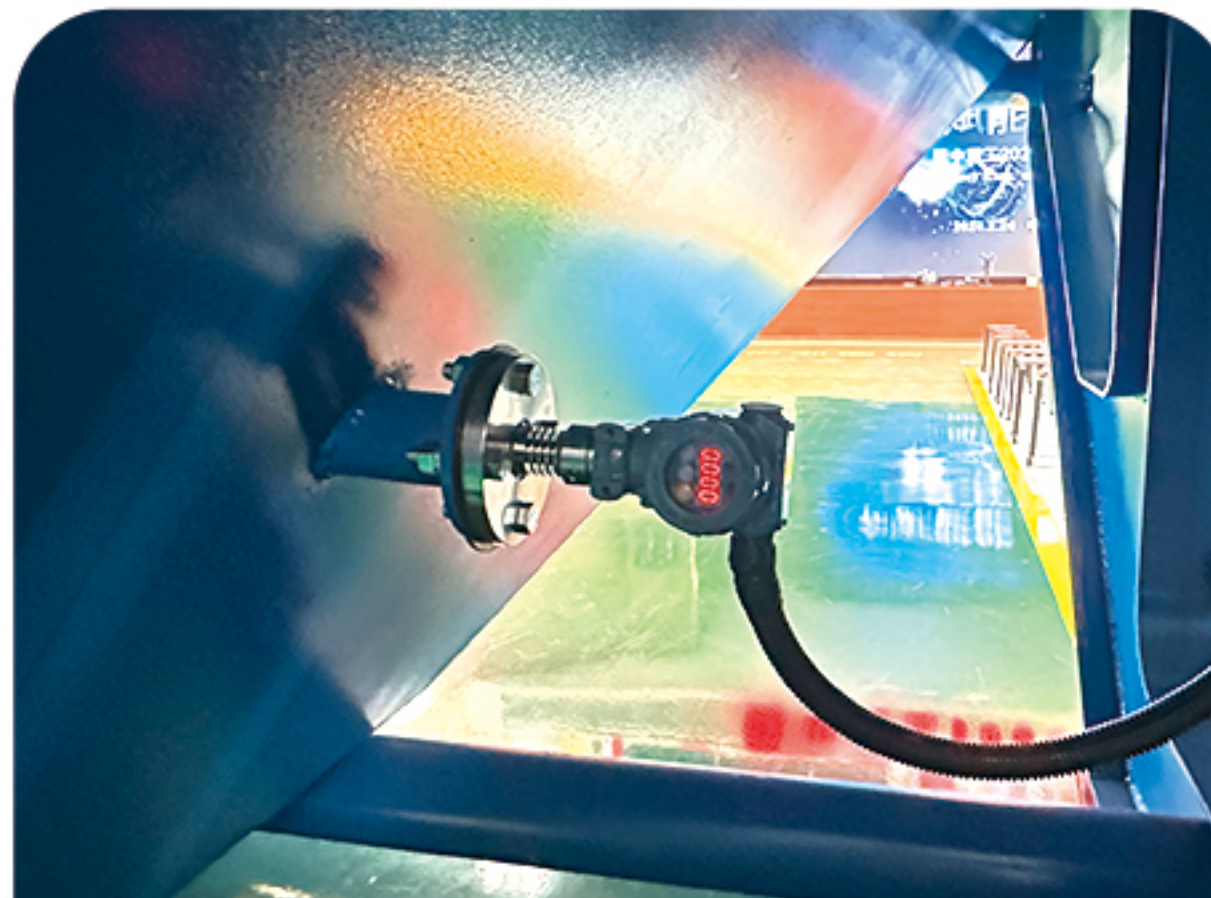
Product Structure Overview >>>----- Innovator of intelligent sand washing solution



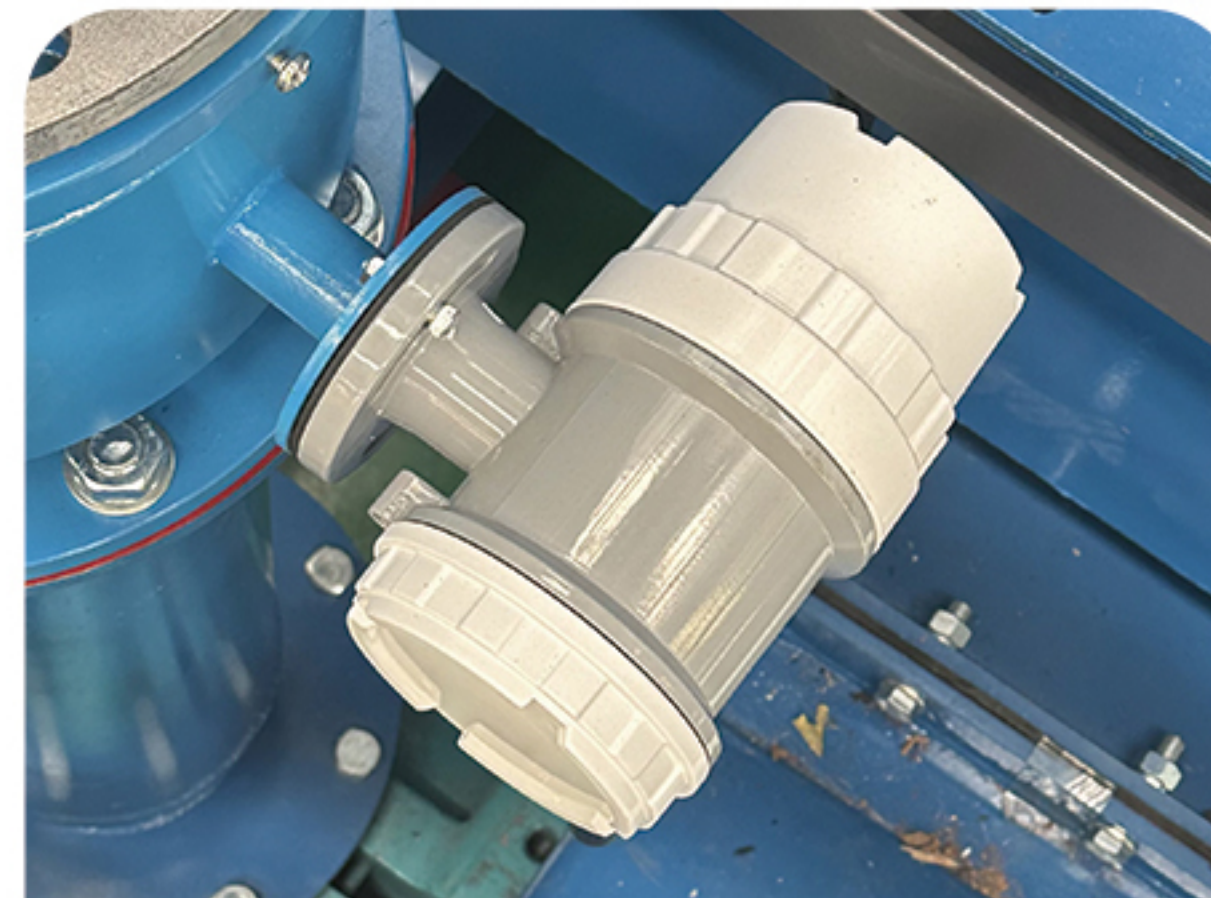
①
Attrition Scrubber



②
PLC Automated Controller



③
Liquid Level Controller



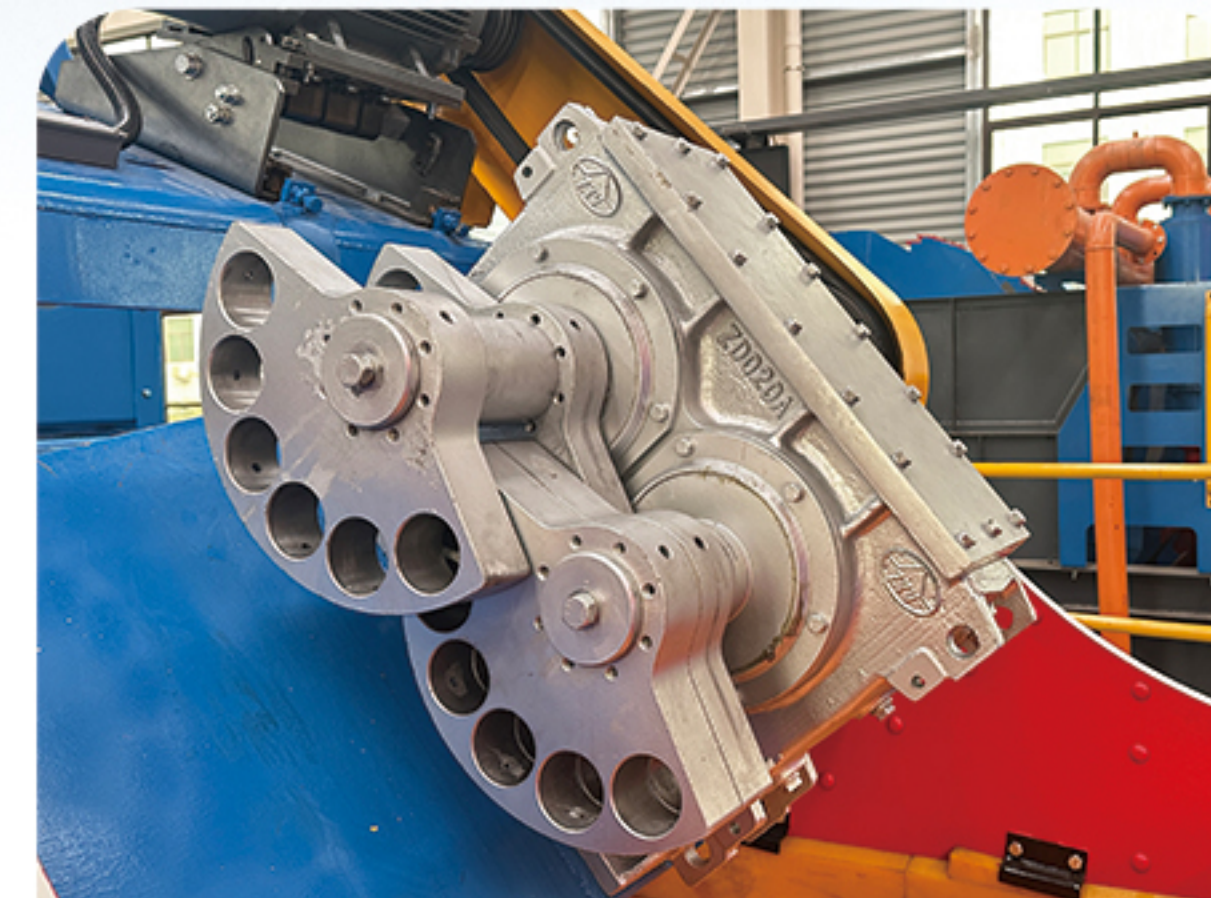
④
Flow Controller



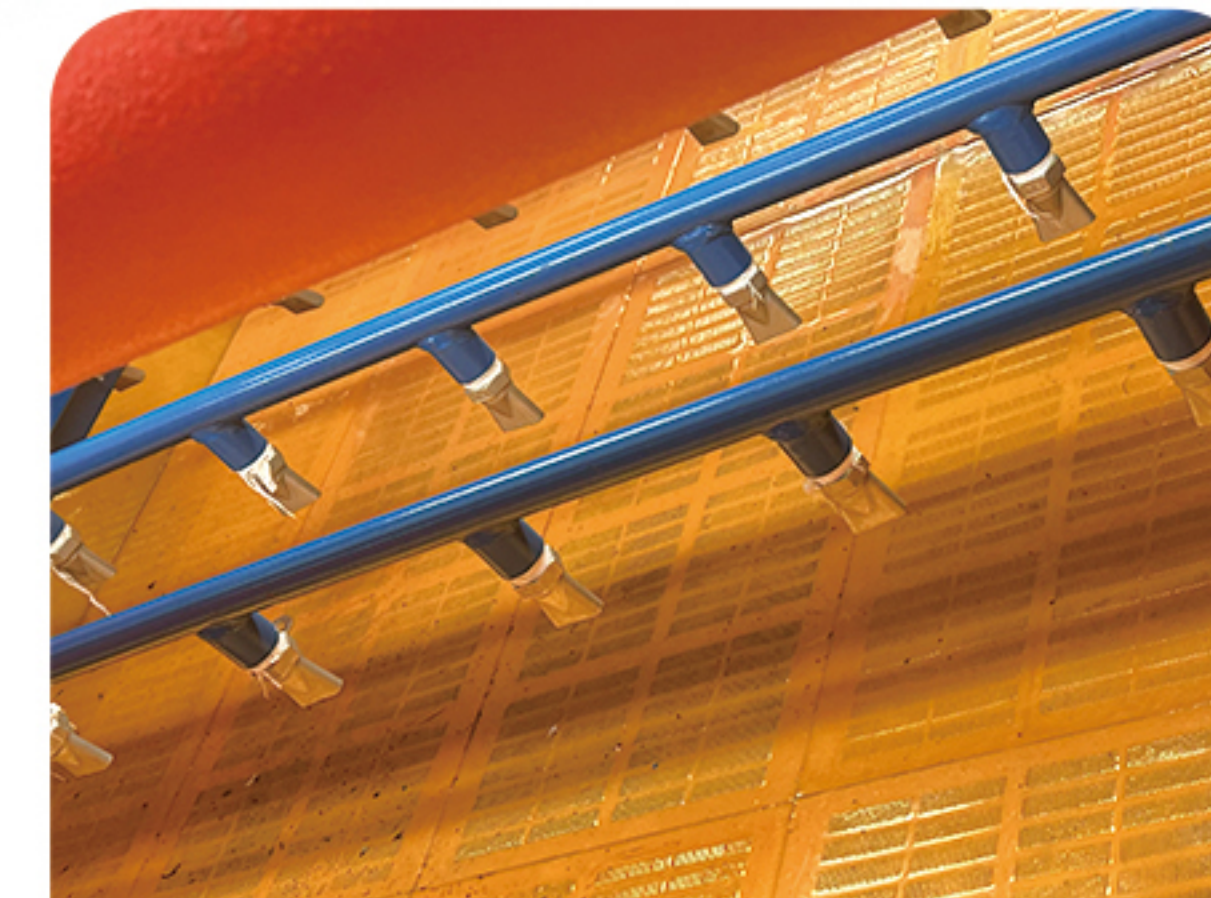
⑤
HydroWash



⑥
Vibrator Motor



⑦
Gear Box Exciter



⑧
Spray Bar