

DEWATERING SCREENS

A Fine Material Washer typically discharges concrete sand material with 20% moisture content. When this material passes through an Eagle Iron Works Dewatering Screen, moisture is typically reduced to 7–10%, making it more suitable for stockpiling and immediate sale. The screen is commonly used for final dewatering of a Fine Material Washer or Bucket Wheel discharge.

Dewatering occurs through high G-force vibratory action, which accelerates drainage and reduces moisture content. The screen's low-profile design fits beneath a sand screw, leaving space for a discharge conveyor. Optional spray bars provide a final rinse to remove residual fines if needed. Built for high-capacity operation, the EIW Dewatering Screen is constructed with wear liners and heavy-duty urethane screen media for long-term use. With an optional recirculating pump system, fines can be returned to the screw washer.

The EIW Dewatering Screens can be paired with any operating screw washer. When used with a new EIW Fine Material Washer, they can be mounted on a common skid to form an Eagle+ system. This setup reduces installation time and optimizes stockpile space.



Optional Features

Spray Bars

Underflow Pump Kit

Design Features

Heavy-duty urethane screen media supports high material loads

Standard pinless media system allows quick screen changes

Bolt-on wear liners protect high-wear areas

Huck-bolt construction reduces weld stress and increases frame strength

Reinforced crossbeams and stringers improve stability under heavy loads

Increased discharge height while maintaining a compact feed point

Low-horsepower vibratory motors reduce energy consumption

Low vertical installation height

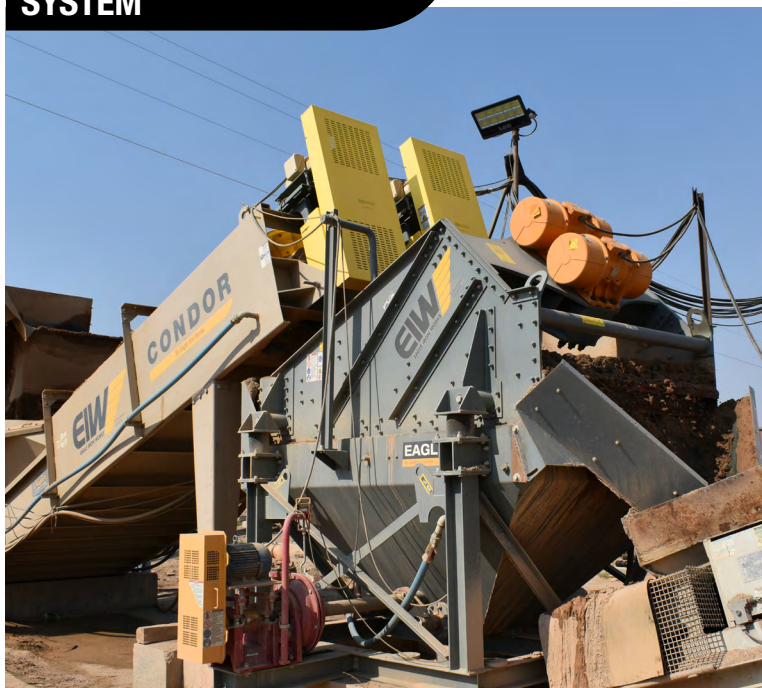
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Dewatering Screens

Model	Screen Size	Electric Motor	Machine Wt. Empty	Capacity		
				Coarse Sand (Concrete)	Fine Sand (Mason)	Ultra-fines (-100 µm)
DS 512	5' x 12' (1.5 m x 3.7 m)	2 x 8.5 HP (13 kW)	6,815 lb (3,091.2 kg)	160 STPH (144 MTPH)	120 STPH (108 MTPH)	80 STPH (72 MTPH)
DS 712	7' x 12' (2.1 m x 3.7 m)	2 x 8.5 HP (13 kW)	8,155 lb (3,699.0 kg)	300 STPH (270 MTPH)	225 STPH (229.5 MTPH)	200 STPH (180 MTPH)

EAGLE+

SYSTEM



Eagle+ System: A combination of the EIW Fine Material Washer and EIW Dewatering Screen designed to produce a drip-free product, ready for immediate sale.