

A NEW SOLUTION TO DEWATERING



GreyStone

®

4' x 8' Dewatering Screen

Featuring a high-frequency liquid/solids separator that allows producers to simply adjust bed depth, table tilt and vibrator variables to handle most variations of sand specs. A rigid steel bed and frame assembly will provide years of effective use. Available in 6' x 12', 5' x 10', and 4' x 8' sizes. Efficiently dewateres up to 300 TPH.

Our One-Team approach brings full-service solutions from systems design through installation. For more information on GreyStone equipment, or an estimate on custom-designed aggregate sand processing systems, please contact us.



WHY CHOOSE GREYSTONE DEWATERING SCREENS?

GREYSTONE'S SINGLE-DECK DEWATERING SCREEN SPECIFICATIONS

Vibration	Linear		
Vibrator type	(2) 7 hp, 60 hz, 230/460 volt, 1,800 rpm martin vibrators		
Deck type	Flat urethane with water diverters		
Aperture size	0.25 mm x 0.12 mm		
Bed angle	Adjustable -5 deg. to +5 deg.		
	4' x 8' Deck	5' x 10' Deck	6' x 12' Deck
Bed area	32 sq. ft.	50 sq. ft.	72 sq. ft.
Screen dry weight	~4,500 lb.	~6,500 lb.	~9,500 lb.
Motor setting	50%	75%	100%
Total g-force max @ factory motor setting	~3.2 G @ 50%	~4.8 G @ 75%	~6.4 G @ 100%

MOTOR MECHANICAL CHARACTERISTICS (each)

Weight	429 lb.	429 lb.	429 lb.
RPM	1,800	1,800	1,800
Working moment	316 in-lb.	316 in-lb.	316 in-lb.
Max static moment	158 in-lb.	158 in-lb.	158 in-lb.
Unbalance	15.8 – 158.1 in-lb.	15.8 – 158.1 in-lb.	15.8 – 158.1 in-lb.
Centrifugal force	1,452 lb. – 14,250 lb.	1,452 lb. – 14,250 lb.	1,452 lb. – 14,250 lb.

You can count on GreyStone's Dewatering Screens to help you turn material washing problems into profitable solutions, meeting the specification demands for multiple sand products. Each unit receives a high percentage of water-saturated fine material and produces a dense, compact cake that rides up the belt and forms a pile with no runoff or water pools. With its moisture content as low as 10%, this is a dry, transportable product that can be sold in a short period of time.

The deck can handle up to 14 inches of material depth, making use of the bottom thin layer of material as a secondary "screen," allowing the deck to preserve fines smaller than 200 mesh.

