

FINES MATERIAL WASHER



Features:

- Main frame AR36 plate steel
- Dodge Drive / Bearing Components
- Superior Wear Shoe Configurations
- Options and Customizations

AGGREGATES



RECYCLING



INDUSTRIAL SANDS



MINING



WATER MANAGEMENT



FINES MATERIAL WASHER

TECHNICAL SPECIFICATION

The Terex Fines Materials Washers are specifically engineered to provide the highest quality sand production through efficient **washing, classification and dewatering.**

The specifically engineered features of our full line of screw classifiers provides unmatched performance, serviceability and longevity. Our heavy-duty designs provide superior liberation of deleterious materials from the targeted sand fractions and efficiently remove them out the overflow slurry. Shaft rotation and tight clearances in conjunction with a multitude of flight wear shoe configurations, provide sand on sand attrition resulting in unmatched cleanliness of the finished product.

Final dewatering takes place as the screw conveyors move the end sand product up hill towards the discharge end of the unit. Our hull designs are the thickest in the industry

and are configured to maximize water-draining effectiveness; thus providing the lowest water requirements possible as well as the driest finished product.

Terex's TWS full line of screw classifiers provide true, adjustable classification control. All have three (3) adjustable weirs with the broadest range of height adjustment. Rising current, return race water, feed zone deflector panels options all provide fine tuning capabilities specific to your operation. Maximizing material retention time is provided through these features and provides the highest capacities and highest quality sands for your customers.



DESIGN FEATURES

- Main frame AR36 plate steel
- Inner wear liners 1/4" AR400
- Dodge drive gear boxes TA II
- Head bearings – Dodge type E pillow block
- Tail bearings – AES outboard bearings
- Spirals Assembly - HD Steel auger design 1pc.
- Feed box zone deflectors
- Full spiral coverage w/ wear shoe options
- HD Rising current manifold
- Discharge chutes A36 plate steel

OPTIONS

- Grated or solids safety covers
- Customized washer supports and chutes
- Overflow flumes
- Wear shoe configurations

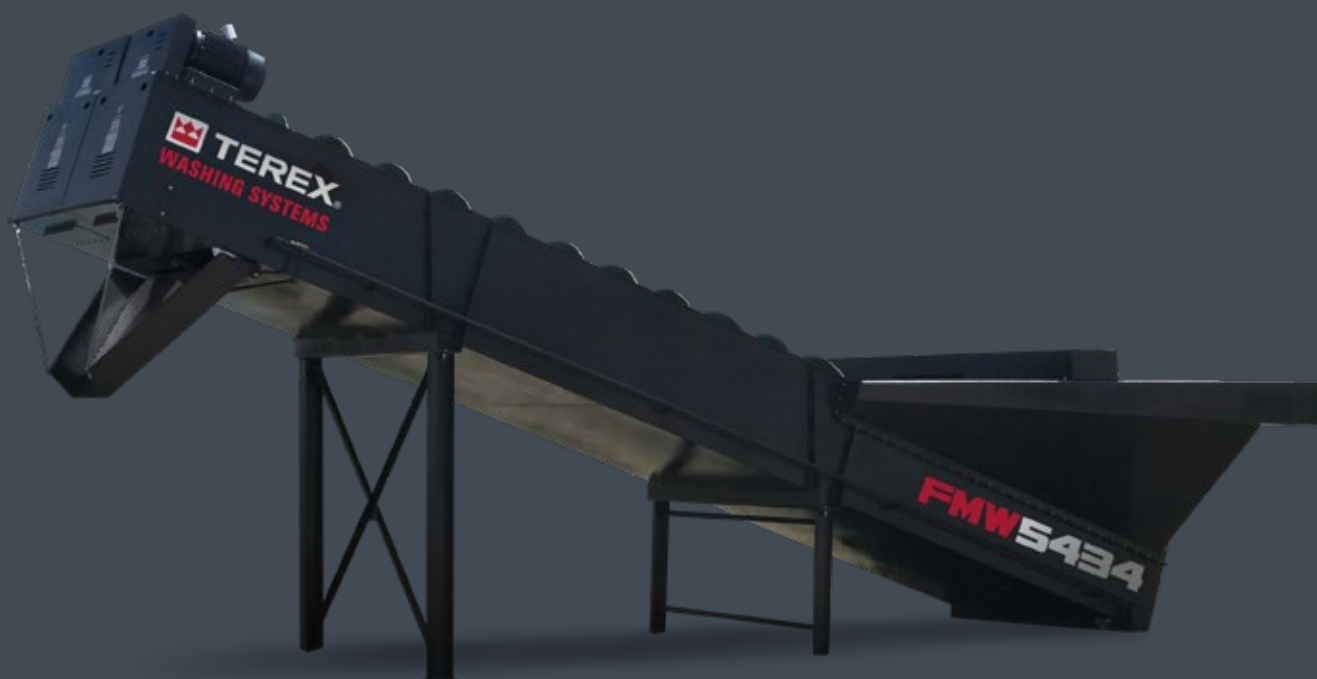


Generalized capacity chart with mesh split requirements

Screw Size in x ft	*Maximum Capacity (TPH)		HP Required per screw	*Max Spiral Speed	Water (GPM) required for fines retention					
					#100		#150		#200	
	Single	Twin			Single	Twin	Single	Twin	Single	Twin
20" X 22'	30	-	5	38	435	-	190	-	110	-
24" X 22'	50	-	7.5	32	500	-	225	-	125	-
30" X 25'	75	-	10	26	575	-	275	-	150	-
36" X 28'	100	200	15	21	900	1400	500	800	250	400
44" X 32'	175	350	25	17	1500	2700	750	1300	400	750
48" X 33'	200	400	30	16	1650	2900	825	1450	450	825
54" X 34'	250	500	40	15	1800	3200	900	1600	525	900
60" x35'	325	650	50	14	2200	3500	1000	1800	550	950
66" X 36'	400	800	60	13	2400	4000	1100	2000	625	1000
72" X 38'	475	950	75	13	2600	4400	1250	2200	700	1200
84" X 38'	600	1200	85	11	3000	4800	1500	2500	850	1350



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