

MWS 
EQUIPMENT



**Smarter
Washing
Solutions**

SAND SCREW
Fine Material Washer

TECHNICAL DATA

DIMENSIONS & WEIGHTS

	3625S	3625T	4432S	4432T
Length (Metre)	8.6m (28')	8.5m (28')	10.5m (35')	10.5m (35')
Width (Metre)	2.6m (8')	3.6m (12')	3.6m (12')	4.9m (16')
Height (Metre)	3.9m (13')	3.9m (13')	4.8m (15')	4.9m (16')
MTPH	100 (90)	200 (130)	175 (159)	350 (318)

WATER REQUIREMENTS PROCESS

	Dry deck clearing water (water added at the top end of the screw)				Rising current water in the back pool area of the screw washer			
	36"x25"		44"x32"		36"x25"		44"x32"	
	Single	Twin	Single	Twin	Single	Twin	Single	Twin
USgpm @ 25psi	170	170	170	170	150	275	190	300
m3/h	38	38	38	38	34	62	43	68

SCREW WASHER CAPACITY

Sand Product passing 50 Mesh (0.3mm)	Screw Speed	Dewater Capacity	Sand Product passing 50 Mesh (0.3mm)	Screw Speed	Dewater Capacity
⋈ 15%	100%	100%	⋈ 30%	50%	50%
⋈ 20%	75%	75%	⋈ 50%	25%	25%

REQUIREMENTS

	3625S	3625T	4432S	4432T
Motor Power Recommended	15hp	15hp x 2	25hp	25hp x 2
Max Feed (MTPH)	100 (90)	200 (130)	100 (90)	200 (130)
Max Screw Speed	20rpm	20rpm	17rpm	17rpm
Estimated Operating Weights Lbs (Kg)	30,000 (13,600)	60,000 (27,215)	70,000 (31,751)	130,000 (27,215)
Water Capacity 100 mesh (149 micros) GPM (m³/h)	720(163)	1250 (283)	1720 (390)	2800 (635)
Water Capacity 200 mesh (75 micros) GPM (m³/h)	180 (40)	360 (81)	425 (96)	700 (158)

SCREW SHAFT

- Helical spiral segments with continuous submerged arc weld
- Extra-thick, one piece shaft tubing

FEED BOX

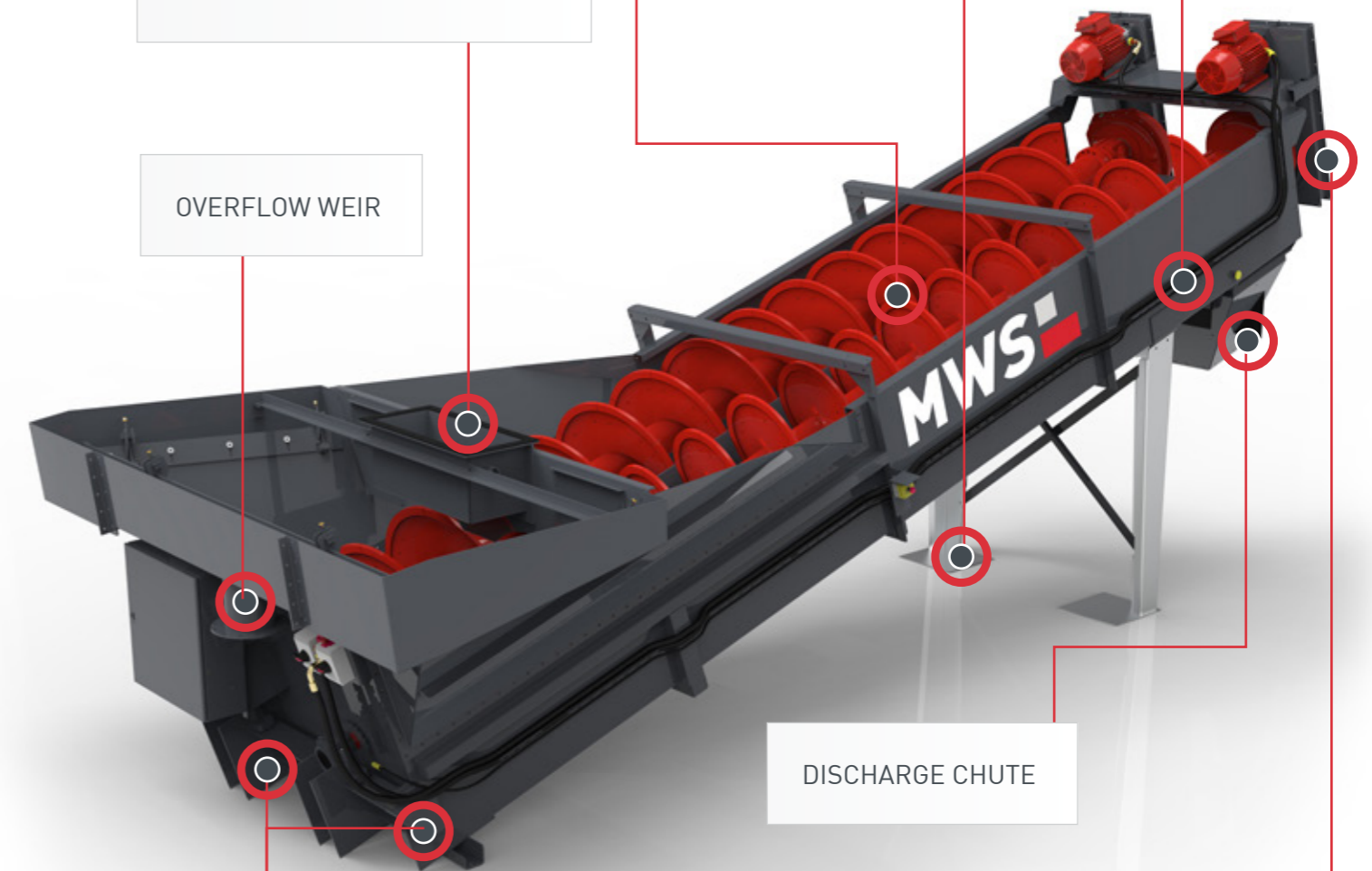
- Internal and external baffles to deaden feed velocities
- Provides uniform slurry mixture for maximum product retention

OVERFLOW WEIR

HULL

- Fabricated with thick gauge steel
- Close-clearance curved plate runs entire length of shaft
- Extra-wide side flares for maximum product retention
- Adjustable weirs for out of level conditions
- Spherical-roller rear grease bearing(s)
- High-efficiency electric motor(s)

WASHER SUPPORTS



DRAIN PLUGS

WEAR SHOES

- Wear shoes cover the full face of spiral
- Optional urethane wear shoes available

DISCHARGE CHUTE

MCCLOSKEY GEAR REDUCER

- Heavy-duty design with heat-treated helical gears
- Triple reduction gearing allows 100% to 16% speed changes
- 100% of the shaft's thrust load carried by the output shaft(s)
- Oil bath lubrication for maintenance-free operation
- Drive guards standard equipment

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