



AGGREDRY® DEWATERING WASHER

Fine Material Washer with Integrated Dewatering Screen Produces a Drier Finished Sand



AS LOW AS 8% MOISTURE CONTENT

FEATURES

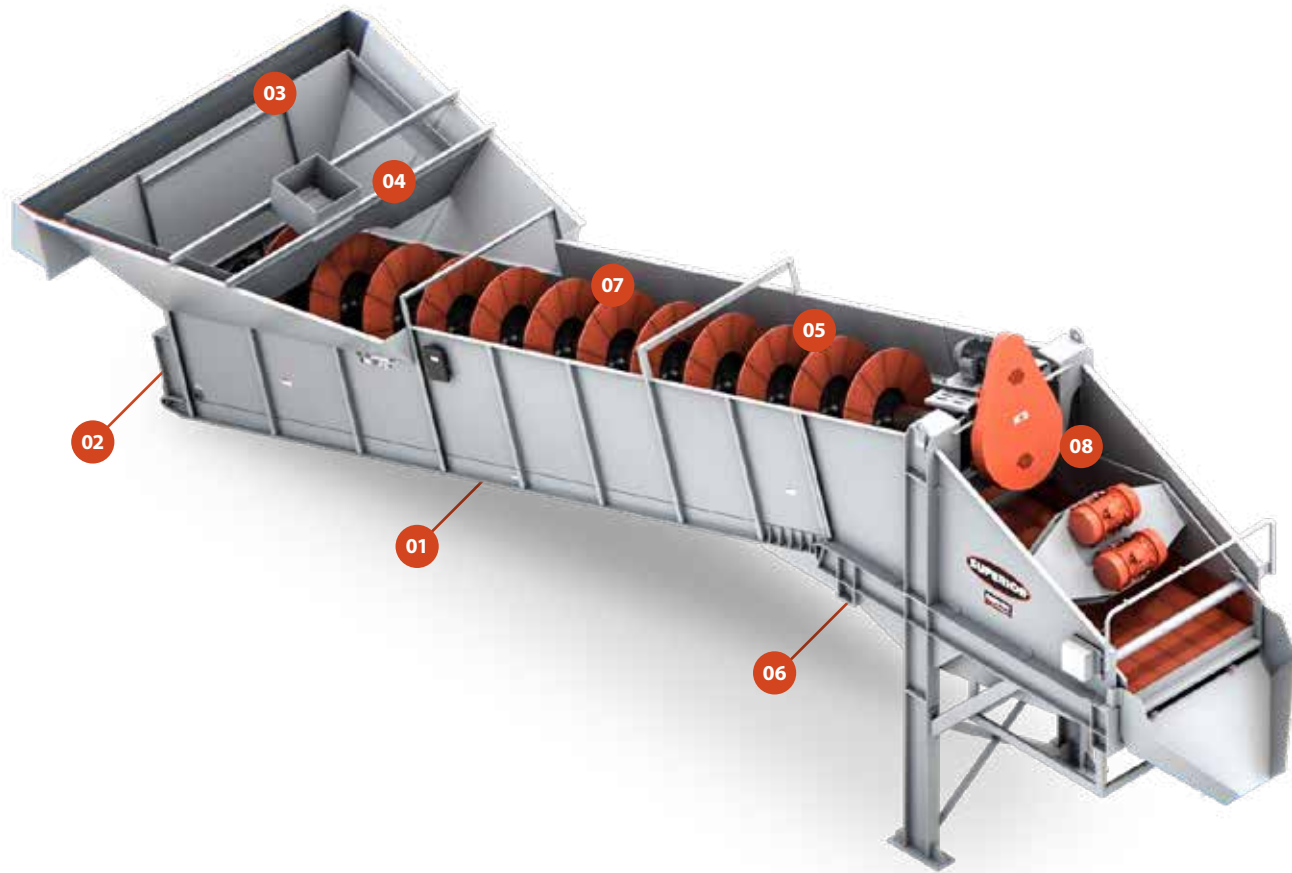
- » Fine material screw and dewatering screen in single package
- » Produce material with moisture content as low as 8%
- » Dry material reduces carryback and maintenance on conveyors
- » Patented fines recovery system saves 3% from waste pond

APPLICATIONS

- » Wash silts from feed
- » Dewater wet/slurry material
- » Salt/brine reclamation
- » Fine screw application



FEATURES



01/ CURVED BELLY PAN

Eliminates dead spots for material to gather common to 90° angles.

02/ SAFEGUARD OUTBOARD BEARING

Off-the-shelf pillow block bearing installed outside tank for protection and easy maintenance. (Not shown)

03/ ADJUSTABLE WEIR PLATE

Encourages overflow water to level, which maximizes fines retention.

04/ LOAD ZONE BAFFLE

Calms water to help maximize fines retention.

05/ URETHANE WEAR SHOES

Manufactured with internal steel plate to hold up in harsh applications. Gives it more rigidity, keeps it from flopping and wearing quicker.

06/ PATENTED FINES RECOVERY

Ultrafines collect in underflume and is returned to screw. Saves 3% of fines from reaching waste pond.

07/ FINE MATERIAL SCREW

Accepts feed up to 3/4" (19mm) while removing unwanted fines in sand.

08/ INTEGRATED DEWATERING SCREEN

Unique sidewall media encourages water to drain from top and sides, which produces drier product.

09/ SCREEN SIDEWALLS

A deeper bed depth and urethane sidewalls remove more water for output as low as 8% moisture.

OPTIONS

TWIN SCREW

ROAD PORTABLE PACKAGE

REDUCED SCREW SPEED

ROCK GRADE RUBBER WEAR SHOES

A-532 WEAR SHOES

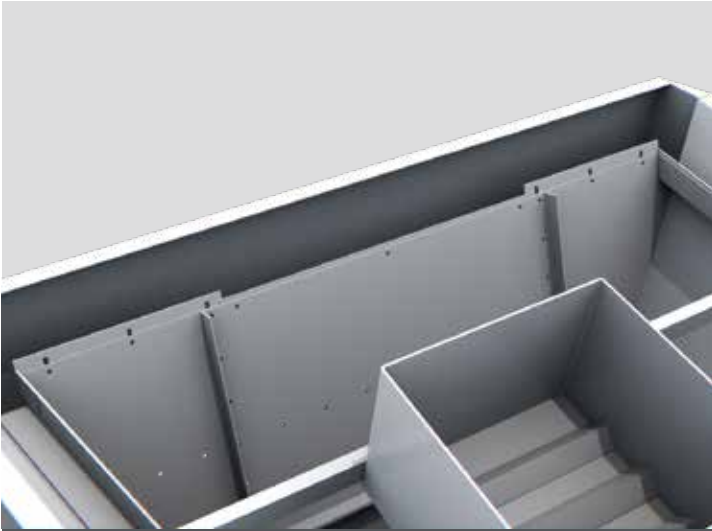
MATERIAL DISCHARGE CHUTE

SAFETY COVERS

SKID FRAME

FOLDING WING WALLS

HIGHLIGHTS



03/ ADJUSTABLE WEIR PLATE



04/ LOAD ZONE BAFFLES



06/ PATENTED FINES RECOVERY SYSTEM



09/ SCREEN SIDE WALLS


PORTABLE AGGREDRY® WASH PLANT




Rock Face to Load Out*



SPECIFICATIONS

| | Screw Size inch (mm) | Capacity TPH (MTPH) | Screw Speed RPM | Max Material Size inch (mm) | Auger Motor Size HP (kW) | Vibrating Motor Size HP (kW) | Water Capacity GPM (m ³ /hr) | | |
|---|-------------------------|------------------------|--------------------|--------------------------------|-----------------------------|---------------------------------|--|-------------|-----------|
| | | | | | | | 100 Mesh* | 150 Mesh* | 200 Mesh* |
| SINGLE SCREW | | | | | | | | | |
|  | 24" (609) | 50 (45) | 32 | 3/4" (19.0) | 7.5(5.5) | 8.05 (6.0)** | 700 (159) | 330 (74) | 180 (40) |
| | 36" (914) | 100 (90) | 20 | 3/4" (19.0) | 15 (11.0) | 8.05 (6.0)** | 1,100 (249) | 525 (119) | 250 (56) |
| | 48" (1,219) | 200 (181) | 16 | 3/4" (19.0) | 25 (19.0) | 11.40 (8.5)** | 2,200 (499) | 1,050 (238) | 600 (136) |
| | 60" (1,524) | 300 (272) | 13 | 3/4" (19.0) | 40 (30.0) | 12.61 (9.5)** | 2,600 (590) | 1,300 (295) | 700 (159) |
| | 66" (1,676) | 400 (362) | 13 | 3/4" (19.0) | 50 (37.0) | 16.00 (12)** | 2,880 (654) | 1,440 (327) | 720 (163) |

*(2) Two vibratory motors per washer

| | | | | | | | | | |
|---|-------------|-----------|----|-------------|---------------|--------------|---------------|-------------|-------------|
| TWIN SCREW | | | | | | | | | |
|  | 48" (1,219) | 400 (362) | 16 | 3/4" (19.0) | two 25 (18.0) | 11.40 (8.5)* | 3,700 (840) | 1,800 (408) | 975 (221) |
| | 60" (1,524) | 600 (540) | 13 | 3/4" (19.0) | two 30 (22.0) | 12.61 (9.5)* | 4,500 (1,022) | 2,200 (499) | 1,200 (272) |
| | 66" (1,676) | 800 (725) | 13 | 3/4" (19.0) | two 50 (37.0) | 16.00 (12)* | 4,800 (1,090) | 2,400 (545) | 1,300 (295) |

* 100 Mesh (150 µm), 150 Mesh (113 µm), 200 Mesh (75 µm). ***(4) Four vibratory motors per washer.

FINES RECOVERY PROFIT CALCULATOR



SUPERIOR'S PATENTED FINES RECOVERY SYSTEM

Input values matching your plants specific data to calculate additional annual profit from fines recovery.

| | | | | | | | | | | |
|-------------------------------------|---|---------------------------------|---|--------------------------|---|----------------------|---|---------------------------|---|--------------------------|
| <input type="text"/> | X | <input type="text" value="3%"/> | = | <input type="text"/> | X | <input type="text"/> | X | <input type="text"/> | = | <input type="text"/> |
| Tons Per Day of Wet Sand Production | | Saved From Waste Pond | | Additional Saleable Tons | | Cost Per Ton | | Production Days in a Year | | Additional Annual Profit |