



924 Calle Negocio • Unit A
San Clemente, CA 92673
Phone: (949) 366-3070 • Fax: (949) 366-3069
www.aggregatemachineryspecialist.net

Portable Screen

Screening Plant with Deister 7' x 20' Triple Deck Horizontal Screen

Carrier chassis

Main frame constructed of wide flange structural steel beams
Tandem axle with (8) 11x22.5 radial tires
complete air brake system
mudflaps on rear axle
Travel lights with brake and directional signals
Fifth wheel hitch
(4) fixed, structural steel cribbing legs
Common Grease points - 1-2 locations to grease entire plant

Deister 7203 Horizontal Vibrating Screen

Installation only for a Deister 7x20 3 deck, all pertinent items and components including:
adjustable motor base, motor sheave, screen sheave, v-belts, drive guard
50 HP TEFC, 1200 RPM, 460 volt, 3 phase, 60 hz, screen drive motor
screen subframe
Screen is installed to operate in the horizontal position
Right hand drive

Screen discharge chutes

Roll away chute
Constructed of 1/4" Mild Steel with 1/4" AR liners
Top deck chute discharges over the kingpin end of the chassis, cross conveyor, 25% Blending gates
Middle deck chute discharges onto middle deck chute angled to ditch side
Bottom deck chutes discharges onto bottom deck cross conveyor or discharges onto fines conveyor,
25% blending gates
AR liners on both sides of blending gates

Fines hopper

3/8" AR Construction with conveyor belt lining, adjustable rubber flashing full length

(1) 24" wide x 11' long reversing cross conveyors

Structural steel channel main frame
Mounted on rollers to manually move to discharge from either side of chassis

Receive oversize material from respective middle and bottom decks

Class II head end drive

7.5 HP motor, v-belt drive with drive guard

Dodge shaft mount reducer

Head pulley - 10" diameter drum, crown face, 3/8" diamond lagging

Tail pulley - 10" diameter wing pulley

Shafts - turned and polished

Dodge bearings

Manual screw take-ups

Carry idlers - C5, 20 degrees trough, channel mount, spaced 26" OC

Belting - 2 ply, 3/16" x 1/16" 220 PIW

Belt splice - vulcanized

Primary belt scraper - Exterra® Belt Cleaner

60" x 29' fines conveyor (Horizontal)

Structural steel channel main frame

Capable of accepting a reject conveyor

Class II head end drive

15 HP motor, v-belt drive

Dodge shaft mount reducer

Head pulley - 12" diameter drum, crown face, 3/8" herringbone lagging

Tail pulley - 12" diameter Chevron® wing pulley

Shafts - turned and polished

Dodge bearings

Manual screw take-ups

Carry idlers - C5, 20 degrees picking, channel mount, spaced approximately 27" OC

Return idlers - C5, flat rolls, spaced 10' OC

Belting - 2 ply, 3/16" x 1/16" 220 PIW

Belt splice - vulcanized

Primary belt scraper - Exterra® Belt Cleaner

Walkway

3/16" diamond tread plate along both sides and feed end of screen

Hydraulic folding walkway on non-drive side

Includes toe board, and two-rail handrail, bolt on

Walkway access on both sides of the chassis with steep angle stair access

Drain holes

Hydraulic "lift-only" leveling jacks

(4) 6" x 16" hydraulic cylinders

(4) manual lever valves; (1) for each cylinder

9HP Honda Motor gasoline over hydraulic, enclosed cabinet

Overhead Safety tie off

Safety tie off over plant for workers to tie off when working on screen
Folds down for transport

Cribbing Storage

Hinged storage compartment
Holds drive guard, screen cloth, cribbing materials, etc.

Electrical control panel

Not included

Electrical

Required power is 480 v/ 3 ph / 60 hz
Control panel and wiring are not included

Guarding

Price includes standard guarding
Customer is responsible to have guarding inspected

Paint

(1) coat primer; (1) finish coat enamel available in the following colors:
Superior Orange, Superior Beige, Superior White, Superior Sandstone

Owner's manual

(1) copy included for operation and maintenance

Deister Model TFM3P-3720, triple deck, 7' x 20' Deister Triple-shafted Heavy Duty Horizontal Vibrating Screen, LESS steel wire screen cloth, but INCLUDING:

Screen Vibrating Frame

- Trunnion type spring support mounts on each corner, baked epoxy coated support springs
- Snubbers (friction checks) - spring loaded
- 1/4" thick HSLA steel sideplates formed along the top and bottom, with 5/16" thick formed HSLA steel reinforcing plates bolted to sideplates between bearing housing and sideplates
- Access ports with cover plates in the sideplates
- Removable back plates, rubber flap and steel combination
- Screen media support panel configuration
 - All decks - Screen cloth support panels constructed of fabricated I-beams welded to formed angles bolted to the sideplates
- 4" long discharge lips protected by 1/4" thick AR steel replaceable wear plates
- Tension plates (skirtboards)
- Deister heavy duty tension screen cloth tensioning devices
- Feed box with 1/4" AR steel replaceable wear plate in the bottom

Eccentric Mechanism

- The triple-shafted "gear-type" vibrating mechanism is located between the middle and bottom decks and equipped with 120 mm. spherical roller vibrating screen bearings
- Steel-flanged vibrating mechanism tubes bolted to the sideplates

- Oil fill and drain plugs and the oil level gauges located on the outside surface of the vibrating mechanism end covers plate
- Deister “slinger mist” oil bath lubrication system, with labyrinth type dust and oil seals requiring approximately 3-1/2 gallons of oil in the vibrating mechanism end covers acting as the oil reservoir and requiring only oil changes every 500 hours
- Each vibrating mechanism tube is protected by a 3/8" thick steel-backed rubber shield tack welded to the tube
- Eccentric shafts with adjustable weights for stroke adjustment
- Bronze sleeve between bearing and shaft

Drive System

- Deister heavy duty rubber torsion pivoted motor base, less motor support
- Wideband V-belt, and motor sheave
- Belt guard, less mounting brackets

Screen Parameters

- Screen is horizontal
- Approximate operating speed: 790 RPM
- Approximate stroke setting: 11/16"

Included Screen Options

- Snubber guards
- Rubber wrapped spring guards
- 50 HP motor

PRICE:

\$243,935.00

(AMS Item 16587). Terms are Net 10 Days after receipt of equipment, subject to prior credit approval. Sales tax is additional and charged at the appropriate rate. Freight is also additional and charged at our actual cost.

This equipment is rented without motor controls, power cable, motor, safety stop switches, and other components that may be required, unless otherwise specified.

Photos below



Item 16587



Item 16587