

## **One (1) Only 2003 ELRUS Screen Plant c/w New 2005 Horizontal 6x20 – 3 Deck Screen**

### **Chassis – M3258ER03SP**

- 18" WF main frame
- Six (6) blocking legs
- Tandem axle walking beam suspension
- Eight (8) 11 R x 22.5 budd wheels and radial tires
- Air brakes, running lights and mud flaps
- 40 HP. T.E.F.C. Electric screen drive motor @ 1200 rpm
- Sub-frame with motor mount
- Spring mount and side tension mounts
- Catwalks and ladders
- Walkways and ladders both sides of screen & front cross over
- Plant sandblasted, primed, and painted
- Drive and belt guarding
- Return roller guards provided on rollers accessible from normal working surfaces

### **ELRUS 6X20 – 3 Deck Horizontal Screen**

- 6 x 20 – 3 deck screen @ 2° operating position
- Heavy Duty Decks
  - Frame 6" x 3-1/2 x 3/8" angle
  - Manufactured I-beam cross members 1/2" X 2 1/2" flat bar ends and 5/16" plate
  - Cloth support bar thickness – 3/8"
  - Channel rubber, clamp bars and bolts
- Side plate – 1/4"
- Reinforcing plate – 1/4"
- Triple shaft activator
  - Maximum stroke - 3/4"
  - Stroke can be reduced by removing weight plugs
  - Speed range (675-875 RPM)
  - 160mm bearing size
- Drive sheave – 14 13/16"
- 20" P.D. driven sheave
- Huck bolted assembly
- Replaceable bolt on discharge lips
- 8 – 1 3/16" steel springs c/w mounting pads
- 2 – side tension bands

### **42" x 46' Overhead Conveyor**

- 14" Rubber lagged head pulley c/w 2 15/16" Dodge S2000 double spherical roller bearings
- 14" Self cleaning tail pulley c/w 2 15/16" NTN UCPX Ultra-Class ball bearings
- 20 H.P. T.E.F.C. Electric motor
- Dodge TA4207 Reducer
- Enclosed take ups
- 20° 5" Troughing idlers @ 36" centres
- 20° 5" Impact idlers under receiving hopper
- 5" Self cleaning return rollers @ 10' centres
- 3 ply 3/16" x 1/16" Goodyear Wingfoot Conveyor belt
- Hot vulcanized splice
- Belt scraper and v plow
- Skirt boards to fold point

### **60" x 34' Underscreen Conveyor**

- 14" Rubber lagged head pulley c/w 2 15/16" Dodge S2000 double spherical roller bearings
- 14" Self cleaning tail pulley c/w 2 15/16" NTN UCPX Ultra-Class ball bearings
- 20 H.P. T.E.F.C. Electric motor

Dodge TA4207 Reducer  
Enclosed take ups  
5" Low profile troughing idlers @ 36" centres  
5" Self cleaning return rollers @ 10' centres  
3 ply 3/16" x 1/16" Goodyear Wingfoot Conveyor belt  
Hot vulcanized splice  
Belt scraper and v plow

**Two (2) 30" x 12'-6" Cross Conveyors**

12" Rubber lagged head pulley c/w 2 7/16" Dodge S2000 double spherical roller bearings  
Dodge TA3203 Reducer  
7.5 H.P. Electric motor  
12" Self cleaning tail pulley c/w 2 7/16" NTN UCPX Ultra-Class ball bearings  
20° 5" Troughing idlers @ 18" centres  
5" Self cleaning return roller  
Enclosed take ups  
3 ply 3/16" x 1/16" Goodyear Wingfoot Conveyor belt  
Hot vulcanized splice  
V plow

**Hydraulic Levelling System**

Two (2) 50,000 lbs. 6" x 35" hydraulic levelling jack system  
Overall closed length 35" with 21" stroke  
Flange mounted clamp on cylinders  
12" x 12" Swivel landing pads  
12 Volt electric controlled hydraulic power pack  
25' fixed jumper cables  
Two (2) control valves - double acting  
Pressure gauge

**Selling Price \$250,000.00**

**Option**

**100ft of cable c/w plug ends**

**Add \$2,470.00**

**PRICES DO NOT INCLUDE:**

Screen Media  
Blocking and cribbing  
Site preparation  
Field assembly

**One (1) Only Used Cone Chassis c/w Used Sandvik H4800 Hydrocone Crusher**

S/N A06FA07709

**Chassis**

24" WF Strapped and cambered main frame with ¾" x 6" flat bar  
Tandem Axle Suspension  
Four (4) blocking legs  
Eight (8) – 11:00 R x 22.5 wheels and radial tires  
Airbrakes, running lights, and mud flaps  
Motor mount for cone c/w 4 rubber compression mounts  
Platform, stairway and guard for cone drive  
Bolt-on cone feed hopper c/w Overflow chute to return conveyor  
Plant sandblasted, primed, and painted  
Air to Oil cooler  
Positive pressure air pump mounted on front of Chassis

**Cone**

Sandvik H4800 Hydrocone Crusher (as per specification sheet enclosed)  
**New** ASRi computer automated cone control  
250 hp TEFC motor @ 1800 RPM, sheaves, v-belts

**36" x 24' Rear Feed Conveyor**

Rubber lagged head pulley  
Self cleaning tail pulley  
Take-ups  
20° 4" Troughing idlers under receiving hopper  
35° 4" Troughing idlers @ 36" centres  
10 H.P. T.E.F.C. Electric motor  
Dodge TXT3 Reducer  
3 ply - 3/16" x 1/16" Conveyor belt

**36" x 18' Side Discharge Conveyor**

Rubber lagged head pulley  
Self cleaning tail pulley  
Enclosed take-ups  
20° 4" Troughing idlers under receiving hopper  
35° 4" Troughing idlers @ 36" centres  
5H.P. T.E.F.C. Electric motor  
Dodge TXT3 Reducer  
3 ply - 3/16" x 1/16" Conveyor belt

**Chassis Mounted Electrical Switchgear**

**Selling Price \$375,000.00**

**Work to be done to crusher**

Rebuild top and bottom shell  
Rebuild pinion shaft, new bearings, seals and seal sleeves  
Build up and machine manganese seat  
New mainshaft sleeve  
New head nut  
Install new manganese  
Sandblast & paint entire plant  
Approximate total of work to be done \$75,640.00

### **One (1) Only Sandvik Model H4800 Hydrocone Crusher**

HYDROCONE CRUSHER APPLICATION: The *Hydrocone* crusher is a high capacity secondary or tertiary crusher that produces a cubical product. The *Hydrocone* crusher will nip a sphere the same size as the feed opening and operate under higher horsepower requirements than competitive cone crushers.

**HYDROCONE CRUSHER PRICE INCLUDES:** Complete machine with —

- Clamp-on crusher feed hopper.
- *Hydroset* control to adjust for wear and product size. Motor driven high pressure pump with motor and valve, *Hydroset* pressure gauge and damper. Motor driven hydroset system for accumulator for automatic tramp iron protection
- Choice of crushing chambers.
  - Constant Liner Performance crushing chamber design
  - M-2 manganese liners – Seven (7) different crushing chambers – EC to EF
  - Three (3) variable throw bushings available – Three to Four settings per bushing
- Automatic motor driven circulating lubrication system, with air-to-oil heat exchanger and immersion oil heater, mounted on unit base.
- Electricals are 3 phase, 60 Hertz.
- Positive pressure dust system.
- Rubber compression mounts
- Two arms spider bearing support
- Automatic motor driven lubrication system with accommodation for addition of automatic interlock systems, c/w:
  - Air to oil cooler
  - Positive air pump for oil tank and main frame
  - Oil tank
  - Permanent type immersion oil heater with thermostatic control
  - Separate motor for main lubrication pump and pinionshaft pump
  - Filters
  - Relief valves
  - Flow indicators
  - Hydroset motor
- Hydrocone special tools, including wrenches, lowering rods and eyebolts
- Accumulator charging hose and gauge
- Two (2) sets of instruction manuals

## **Sandvik Systems Computerised Automatic Setting Regulation**

ASRi computer

- Computer monitor
- Mainshaft probe
- Hydroset pressure sensor
- Oil temperature
- Motor load sensor

The ASRi constantly monitors the hydroset pressure, power draw and mainshaft position and constantly adjusts the crusher to achieve optimum crushing efficiency.

The ASRi automatically compensates for manganese wear

Use of the ASRi gives

- Higher production of desired product
- Increased reduction
- Better product shape
- Increased manganese liner life
- Protection against over loads
- Reduced need for surveillance
- Simple crusher setting and calibration
- Logs operating and running times

Ability to communicate with other plant automation systems

**One (1) Only New ELRUS 53' Control Trailer Package with 6 X 10 Control Tower**

2007 Vanguard VIP 4000 53' tandem axle trailer  
Translucent fiberglass roof  
Galvanized landing gear mounting brackets and cross bracing  
Galvanized air and electrical channels on both sides of floor  
Galvanized rear frame and gussets  
LED lights – Rear clearance lights visible in drivers mirror  
Extruded aluminum front corners  
Laminated oak flooring  
Walls and ceiling clear coated  
Insulated Partition Wall with Steel door between 17' generator and electrical room  
Breather vent (2' x 8'6") with grate in floor for generator make up air  
New steel side door c/w lockable handle and striker  
Ground to trailer side steps  
Roof mounted 4' x 8' platform c/w fold down railing and emergency ladder  
Formed 12 gauge rooftop reinforcement around front and 1 side of tower  
Double walled 3/16" plate underslung Generator fuel tank  
c/w locking filler cap and fuel level indicator  
Meets ULC / ORD-C142.18-1995 requirements  
7774 liter / 2050 US gal. (approx.)

**New ELRUS 6' x 10' Control Tower, Inside Height 6'-8"**

67" x 20" Stainless Steel Front console stand  
4° Inward sloping 36" x 62" front and side windows  
Two (2) 18" x 36" sliding side windows  
Two (2) 18" x 36" fixed side windows  
6mm Bronze tinted laminated safety glass  
Roll down see through blinds front & 2 side windows  
Sandblasted, primed, and painted  
1" Acoustical foam interior finish with 1 1/2" insulation  
Interior noise level rated @ 65.6 dB while crusher is operating  
4' X 4' 10" safety glass rear access (escape) door with lock and hydraulic door closer  
Aluminum Floor hatch door (25" x 45") to inside of trailer with gas cylinder assist opener  
Inside stairway to tower  
Captains chair - adjustable, on swivel base c/w arm and foot rests  
Heavy duty Industrial 7 mm rubber flooring  
8" Shelving front and side mounted above windows  
Hand hold around roof perimeter  
Remote control hydraulic raise and lower c/w 12-volt power pack, tank, lift cylinder and scissor lift  
Tower mounting frame  
Rubber seal between tower and mounting frame  
Electrical system:  
16 circuit 70 Amp panel box c/w:  
Two – 2 pole 15 Amp breakers  
Three – 2 pole 20 Amp breakers  
Three – single pole 15 Amp breakers  
Two – 2 pole 30 Amp breakers  
One – blank  
One – 110V duplex receptacle  
Two – 110V split duplex receptacles  
One – 250V 30 Amp receptacle  
One – 250V 20 Amp receptacle for air conditioner  
Four – 220V roof mounted receptacles for 1500 watt quartz lights  
One – Inside fluorescent light  
15,000 Btu Air conditioner/ 14,000 Btu heater

Regulations regarding the storage of fuel products are subject to change and vary between jurisdictions. ELRUS Aggregate Systems does not warrant that fuel tanks will be in compliance with regulatory requirements in your area. To prevent possible conflicts, please check with local authorities as to requirements for fuel transfer and storage in your area

### **Optional Equipment**

#### **Fuel Tank Drainage Pump**

Model #GPI 133200-1 M-3120  
115 Volt AC Motor, Vane Type  
76 L.P.M., 20 gallons, UL listed, CSA Approved  
¾" x 25' Hose  
Manual Nozzle  
Installed

#### **Windshield wipers, (Installation Included)**

Power pack  
3 switches  
3 wiper arms and blades

**One (1) Only New Detroit Diesel Series 60, 14.0 L 540 KW Genset**

**Detroit Diesel Series 60, 14.0 L Industrial Engine 685 HP @ 1800 RPM complete as follows:**

1. Engine Lift Brackets
2. SAE #1 Flywheel Housing
3. SAE #1 Flywheel
4. Rear Sump Oil Pan and Distribution System
5. 8 Plate Oil Cooler
6. Water Pump
7. 190° Thermostat and Housing
8. Exhaust Manifold for Low Mount Turbo
9. High Efficiency Turbocharger
10. Spin-on Oil and Fuel Filters
11. Fuel Filter Lines
12. Air Intake Manifold
13. Electronic Control Module (ECM) Industrial Application
14. 12 Volt, 100 AMP Delco Alternator
15. Fan Supports
16. 50 MT Delco Starter - 12 Volt

**Engine Accessories & Optional Equipment**

1. Need Release Coolant Filter
2. Air to Air Cooler
3. Air to Air Cooler Hoses
4. Detroit Diesel Fan Hub, Direct Drive
5. Fan Group with Belts
6. Glacier NuWave Stacked Radiator (40°C)
7. Farr P80 Autopamic Air Cleaner Group, including:
  - Indicator, Hump Hose and Clamps
8. TTI/Waterous Control Panel
  - c/w: A.C. metering and DDEC Engine Controls
9. Misc. Parts, Fittings, Hoses, Lines etc. to fabricate Series 60 Generator Set
10. Fabrication of Skid and install Series 60 Engine and Components
11. 40 inch ECS Blower Fan
12. Spinner II Oil Filter (Installed)
13. Battery Box (Shipped Loose)
14. Battery Cable and Ends (10 Ft - Assembled)
15. Alternator Guard
16. Batteries (2 x 8 DA's for S-60)
17. Air Cleaner Intake Adapter
18. Centri PreCleaner
19. Cowl TMS60PRS Muffler
20. DDC Fuel / Water Separator c/w Primer Pump

**One (1) Only New Stamford Model HC534E Single Bearing Alternator,  
Rated for 540 KW, 0.8 PF, 1800 RPM, Class H Insulation, 105° rise over 40°C ambient,  
c/w PMG and MX341 Regulator set for 277/480 volt, 60 HZ 3 phase.**

**Fabricate skid and install Series 60 Engine and Stamford Alternator.**

The details of this assembly are as follows:

1. Fabricate skid I beam and mount engine.
2. Fabricate radiator mounts, air to air piping and coolant piping. Make connections to engine

- and fill with antifreeze.
3. Install starter and alternator and wire in.
  4. Fabricate air cleaner mounts and mount assembly at rear of engine and make connections to turbocharger.
  5. Install electric sensors, which include water temperature, oil pressure and voltage.
  6. Mount ECS Blower fan.
  7. Mount electronic control box on Stamford alternator, complete connections to ECM, alternator, starter and battery.
  8. Make and connect fuel lines to and from skid mounted junction block.
  9. Install alternator group (Stamford) to engine and wire in.
  10. Load test unit and perform vibration tests, check operation and record vital readings.
  11. Paint unit and ready for shipment.

### **Electrical switchgear to run above equipment**