

300 TPD Crushing, Milling, Gravity and Flotation Plant with Assay Lab

[Inventory ID #1429444]



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- Equipment Included:
 - Jaw Crusher
 - 3ft Shorthead Cone Crusher
 - Ball Mill
 - Step Deck Screen
 - (2) Falcon Concentrators
 - Flotation Cells
 - Filter Press
 - Holman-Wilfley Shaker Table
 - Action Mining Wave Table
 - Induction Furnace
 - Full Assay Prep and Assay Lab, including an Atomic Absorption Spectrometer
 - Many Pumps

- Crushing Circuit:
 - Hopper/Feeder: 10 Yard Course Ore Bin with 42" Wide X 10' Belt Feeder:
 - Dimensions: 148in Wide x 100in Long x 7ft Deep
 - Grizzly: 19in x 13in Grizzly Bar Spacing
 - Output Belt Drive: 10HP General Electric Motor through Renold WM5 60:1 Reducer
 - Eriez SE7730 36in Electromagnet Over 30in x 40ft Transfer Conveyor
 - Mounted on 14.5ft High Legs
 - Cedarapids 1836 Jaw Crusher:
 - Drive: General Electric 125HP Motor
 - Sitting on 12in I-Beam Frame
 - Outputting Via 30in x 40ft Conveyor with Eriez 30in x 30in Crossbelt to Screen (Via Additional 24in x 25ft Transfer Conveyor)

- With Guarding
- 3ft Symons Nordberg Shorthead Cone Crusher:
 - Drive: 100HP Fader Agencies Electric Motor
 - Fed Via 24in x 40ft Conveyor from Screen
 - Outputting Via 18in x 30ft Conveyor to 24in x 40ft Transfer Conveyor to Screen
 - With Guarding
- Demag 5-Ton Overhead Crane:
 - With Pendant Control and 70ft of Rails
- Screening Circuit:
 - Allis Chalmers 5ft x 16ft 2-Deck Screen:
 - Top Deck Spacing: 1in x 1in
 - Bottom Deck Spacing: 0.5in x 0.5in
 - Drive: 25HP WEG Electric Motor
 - Oversize Conveyed Back to Cone Crusher
 - Fines to Fine Ore Bin in Mill Circuit
- Mill Circuit:
 - Shutdown/Surge Bin:
 - Dimensions: 12.5ft Long x 9ft Long x 6ft Deep
 - Discharge: 5ft Long x 1ft Wide
 - Outputting Via 30in Wide x 30ft Long Conveyor (10HP) to 24in x 20ft Conveyor with Belt Gate to Fine Ore Hopper
 - Mounted on 9ft High Legs
 - Fine Ore Hopper:
 - Shop Built
 - Dimensions: 14ft Long x 130in Wide x 90in Deep
 - Vibco Vibrating Motor on Bottom of Bin
 - Output Via 30in Wide x 15ft Long Belt (5HP) to 24in x 30ft Transfer Conveyor
 - Allis Chalmers 5ft Dia. x 16ft Long Ball Mill:
 - New Unused Liners
 - Drive: General Electric 250HP Reconditioned Electric Motor
 - Feed: Spout Fed from Fine Ore Bin
 - Discharge: Overflow With Trommel Screen on Output
 - I-Beam Frame
 - Guarding
 - Krebs Cyclone:
 - Model GMAX 10-20-3253
 - Sizattec Stepdeck Screen:
 - Model: SDS28-6MV-5
 - Size: 28in Wide x 9ft Long
 - DOM: Aug 16, 2013
 - With 4 Screen Caps

- Sepro Falcon Concentrator:
 - Model: SB750
 - DOM: December 2009
 - With AutoPac Control
- Sepro Falcon Concentrator:
 - Model: SB750BSE
 - DOM: Aug 2013
 - With AutoPac Control
- Hangzhou Leo Filter Press:
 - Model: X800
 - DOM: Jan 10, 2013
 - Plate Size: 31.5in x 31.5in
 - # of Plates: 40
 - Not Functioning in CNC Mode, May need Repairs
 - Output Conveyor: 19.5in Wide x 14ft Long Conveyor Mounted Underneath
- Denver #24 DR Flotation Cells:
 - Banks: (2) Banks - Bank of 6, Bank of 4
 - Model: #24 DR
 - Capacity: 50ft³ Per Cell
 - Drive: (5) 15HP, 1180 RPM Belt-Drive Electric Motors - 2 Cells per Motor
 - Comes With:
 - Overflow Launder Trough
 - Sealed Standpipe with Forced Air Control
 - Belt Guards
- Denver #18 Special Flotation Cells:
 - Bank of 8
 - Model: #18 Special
 - Capacity: 24ft³ Per Cell
 - Manual Cell to Cell Flow Control Gate
 - Naturally Aspirated Sealed Standpipe
 - Drive: (4) 5HP, 1735 RPM Westinghouse Belt-Drive Electric Motors - 2 Cells per Motor
- Thickener:
 - Custom Built Thickener/Agitator
 - Size: 18ft Dia. x 8ft Deep (Approx.)
 - Head: Dorrco Head (Approx. 40in Diameter)
- Gold Room:
 - Holman Wilfley Concentrating Table
 - Model: 8000SD
 - Year: 2014
 - Deck Area: 7.5m²
 - Capacity: Up to 2,500 kgs/Hour
 - Drive: 3HP Baldor Electric Motor
 - Action Mining Concentrating Wave Table

- Model: M7
- Capacity: 600-2500 Lbs. Wet Slurry Feed Per Hour (Depending on Material Run)
- Water Requirements: 3-8 GPM (can be recycled), 2 Adjustable Spray Bars
- Drive: 0.5HP, 115 Volt Electric Motor
- RDO Induction Melting Furnace:
 - Model: LC-50 P.S.
 - Output Power: 50kW @ 4-20kHz
 - Input Voltage: 460 Volt, 65 Amps, 3-Phase, 50/60Hz
 - Spout Diameter: 8.5in
 - Spout Depth: 18in Deep
 - With 1HP Electric Hydraulic Power Pack for Tilting
- Conical Tank
 - Size: 5.5ft Diameter x 8ft Tall (4ft Conical Bottom)
 - Dual 2in Dia. Bottom Discharge
- (2) Pressure Filters
 - Manual
 - Size: 9in Dia. x 12.5in High
- Pumps:
 - Gold Room Tank Pump:
 - Size: 32in Diameter x 1ft Deep Tank
 - Discharge: 1in Dia.
 - Drive: 5HP Electric Motor
 - Gold Room Sump Pump
 - Drive: 2HP Electric Motor
 - Ball Mill Sump Pump
 - Make: SALA Machine Works
 - Type: VASA G-80-234-2S
 - Drive: 7.5HP Westinghouse Electric Motor
 - (2) Sepro Centrifugal Pumps
 - Model: HD80AR-C
 - Suction: 4in Dia.
 - Discharge: 3in Dia.
 - Rubber Impellers
 - Drive: 30HP Electric Motors
 - Svedala Vertical Tank Pump - Falcon Discharge Pump
 - Model: SPV232-2
 - Discharge: 2in Dia.
 - Pump Box: 29in Long x 34in Wide x 18in Deep
 - Drive: 7.5HP WEG Electric Motor
 - Sepro Centrifugal Pump With Pump Box
 - Model: HD80AR-C
 - Suction: 4in Dia.
 - Discharge: 3in Dia.



- Drive: 30HP Electric Motor
- Pump Box: 40in x 40in x 5ft
- Sala Sump Pump
 - Model VASA G80-234-20
 - Drive: 7.5HP Westinghouse Electric Motor
- Allis Chalmers 2x2x10 SRL Centrifugal Pump
 - Overhead Motor Mount
- Vertical Tank Pump
 - 32in Dia. x 12in Deep Tank
 - Discharge: 1in Dia.
 - Drive: 5HP Electric Motor
- Vertical Tank Pump
 - Model: SPV-181-1½
 - 32in Dia. x 12in Deep Tank
 - Discharge: 1.5in Discharge
 - Drive: 5HP Electric Motor
- Pump Box
 - Make: Industrial Machine and Iron Works Ltd.
 - Capacity: 1200 Liters
 - Size: 1,000mm x 1,000mm x 1,600mm
 - Discharge: 3in Dia. Output with Butterfly Valve
- Sala Tank Pump
 - Tank: 29in Long x 34in Wide x 20in Deep
 - Discharge: 2in Dia.
 - Drive: 10HP Electric Motor
- Benshaw/I Curtiss Wright Panel For Ceaner Tailings Pump
 - Model: RSI-S\$-0-030-600-SD-04-CB-OP
 - Hours: 6036.0
 - Horsepower Rating: 30HP
 - Current: 32 Amps
- Sepro Centrifugal Pump
 - Model: HD80AR-C
 - Rubber Liners
 - Suction: 4in
 - Discharge: 3in
 - Drive: 30HP WEG Electric Motor
 - Pump Box with Auto Sampler
 - Capacity: 1319 Liters
 - Overflow Weir with 6in Output (Capped)
 - Discharge:
 - 8in Output Reduced to 4in (To Pump)
 - 4in Output with Butterfly Valve
 - 4in Bottom Output (Capped)
- Laboratory:
 - Agilent Technologies Atomic Absorption Spectrometer

- Model: 55 AA
- Whitelaw Lab Jaw Crusher:
 - Model: Model 0
 - Feed Opening: 5in x 6in
 - Hopper: 9in x 10in
 - Drive: 1.5HP, 115/230 Volt GE Electric Motor
 - With Sample Collection Drawer and (3) Spare Jaw Liner Plates
- TM Engineering Ring and Puck Mill
 - Model: TM/STLX
 - With Control Timer
 - With 4 Full 250mL Ring and Puck Sets and 1 Fine Puck Set
- Knelson MD3 Gold Concentrator
 - Model: KC-MD3
 - Type: Lab Size Concentrator
- (2) Vcella 240-Volt Klins
 - Model: Model 21
 - Condition: (1) Working, (1) In Need of Repair
- Vcella 120-Volt Kiln
 - Model: D9
- Fisher ISOTEMP Drying Oven:
 - Series: 200 Series
 - Model: 230F
- Drying Oven:
 - 4 Rack Oven
 - Temperature Control: 0-550°F
- W.S. Tyler Sieve Shaker:
 - Model: RX-29
 - Year: 2017
 - Voltage: 115 Volt
- Sepor Seive Shaker
 - Model: 5FTT3
 - Drive: 115 Volt, 60Hz
- Legend Jar Mill:
 - Counter Top HD Drive Roll
 - Roll: 3 Rows, 32in Long Each
 - Drive: 0.5HP, 230/460 Volt, 50/60Hz With TECO Fluxmaster FM50 Speed Control
- Grobet Benchtop Rolling Mill
- Lortone Rotary Tumbler
 - Model: QT12/QT66
 - Jar Size: 7.5in Diameter x 8.5in Long
 - Drive: 115 Volt, 60Hz
- Mettler Toledo Assay Electric Scale/Balance
 - Model: XS3DU
- (2) Ohaus Large Electric Scale/Balance

- Model: Explorer
- Ohaus Medium Electric Scale/Balance
 - Model: Adventurer
- Camel Mining Products Gold Panning Machine
 - Model: Pro-Camel-24
- (2) Thermo Scientific Hot Plates
 - Type: 2200
 - Model: HPA2245M
- (2) Sample Splitters
 - (1) Humboldt 16 Chute Splitter
 - Chute Width: 1in
 - Input: 20in Wide x 9in Deep
 - (1) 14 Chute Splitter
 - Chute Width: 0.75in
 - Input: 14.5in Wide x 7in Deep
- Labconco Protector Premier Fume Hood
 - Catalog No.: 10040000010814
 - Working Area: 37in Wide x 23in Deep
 - Mounted on Protector Acid Storage Cabinet
- New York Blower High Pressure Blower
 - Wheel Size and Type: 33510 ALM
 - Year: 2014
 - Arrangement: ARR-4
 - Flow Rate: 2,400 CFM
 - Static Pressure: 98" SP
 - Suction/Discharge Sizes: 10in Diameter
 - Drive: 75HP, 3555 RPM Baldor Electric Motor
- Sheldons 10,000 CFM Dust Collector
 - Speed: 1370 RPM
 - 30in Wide x 18in High Dirty Air Inlet
 - Discharge: 12in Dust Discharge
 - Clean Air Outlet: Dual 9in Wide x 12in High Outlets
 - Drive: 30HP Electric Motor
- Sullair Air Compressor
 - Model: LS25S 250 AC
 - Year: 2013
 - Flow Rate: 1,075 CFM (30.4m³/min.)
 - Pressure: 125 PSI (8.6 bar)
 - Drive: 275HP, 60Hz, 3-Phase

- Location: Eastern Canada

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