

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

**[Inventory ID #1429444]**



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

- Equipment Included:
  - Jaw Crusher
  - 3ft Shorthead Cone Crusher
  - Ball Mill
  - ~~Step Deck Screen~~ **SOLD**
  - ~~(2) Falcon Concentrators~~ **SOLD**
  - 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~~ **SOLD**
  - 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 SE7330 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

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- 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
    - ~~Sizetec Stepdeck Screen: **SOLD**~~
      - ~~Model: SDS28-6MV-5~~
      - ~~Size: 28in Wide x 9ft Long~~
      - ~~DOM: Aug 16, 2013~~

- ~~With 4 Screen Caps~~
- ~~Sepro Falcon Concentrator:~~ **SOLD**
  - ~~Model: SB750~~
  - ~~DOM: December 2009~~
  - ~~With AutoPac Control~~
- ~~Sepro Falcon Concentrator:~~ **SOLD**
  - ~~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: 50ft<sup>3</sup> 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: 24ft<sup>3</sup> 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)
- 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

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- 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 (30.4m<sup>3</sup>/min.)
      - Pressure: 125 PSI (8.6 bar)
      - Drive: 275HP, 60Hz, 3-Phase
  - Gold Room:
    - Holman Wilfley Concentrating Table
      - Model: 8000SD
      - Year: 2014
      - Deck Area: 7.5m<sup>2</sup>
      - 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 Cleaner Tailings Pump
  - Model: RSI-S5-0-030-600-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: **SOLD**
  - 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
- ~~Seper 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

- Location: Eastern Canada

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