

[300 TPD Gold and Silver Plant with Merrill Crowe](#) **[Inventory ID #97059]**



- **300 TPD Gold and Silver Ore Processing and Recovery Plant with Merrill Crowe.**
- **It is possible to modify the plant to a CIP process.**
- **Includes the following circuits and components:**
 - **Grinding**
 - **Leaching.**
 - **Filtration.**
 - **Tailings.**
 - **Zinc.**
- **Grinding Circuit:**
 - **18 in. x 15 ft. belt conveyor (3 hp).**
 - **24 in. x 30 ft. belt conveyor (3 hp).**
 - **24 in. x 18 ft. belt conveyor (5 hp).**
 - **Sag mill feed chute.**
 - **Sag mill 12 ft. x 5 ft. w/ 250 hp electric motor and steel liners.**
 - **Sag output conveyor 15 in. x 30 ft. (3 hp).**
 - **Sag output conveyor (bypass) 12 in. x 14 ft. (3 hp).**
 - **Sag output pump 3x3 SRL 12400 rpm (7.5 hp).**
 - **2 - Cyclone feed pump 5x4 SRL-C (15 hp).**
 - **3 - Krebs cyclone 10B.**
 - **Ball 6x9 @ 125 hp w/ feed chute.**
 - **Ball mill discharge chute.**
 - **Sala Vasa G 234 sump pump @ 7.5 hp.**
 - **Sizing screen 3x3x3.**
 - **Thickener reed pump 3x3 SRL @ 10 hp.**
- **Leaching Circuit:**
 - **#1 Leach tank 18 ft. dia. x 22 ft. high c/w agitators, aeration & 25 hp motor.**
 - **#2 Leach tank 18 ft. dia. x 22 ft. high c/w agitators, aeration & 25 hp motor.**
 - **#3 Leach tank 18 ft. dia. x 22 ft. high c/w agitators, aeration & 25 hp motor.**



- #4 Leach tank 18 ft. dia. x 22 ft. high c/w agitators, aeration & 25 hp motor.
- Compressor 400 cfm 105 psi @ 100 hp.
- **Filtration Circuit:**
 - 4 - Drum filters complete 8 ft. dia. x 12 ft. long @ 3 hp.
 - 4 - Rake agitators @ 3 hp.
 - 2- Repulpers for above @ 3 hp.
 - 2 - Filtrate tanks 0.762m dia. x 7m.
 - 2 - Filtrate pumps 2x2 SRL @ 5 hp.
 - Sala Vasa G 234 sump pump 1.5 in. @ 5 hp.
 - Nash 2300 vacuum pump @ 125 hp.
 - Filter water pump 2x2 SRL @ 5 hp.
 - Filter water tank.
 - Barometric tank.
- **Tailings Circuit:**
 - Tailings pump tank .50 cu. meters.
 - 2 - Tailings pump 3x3x14 SRL @ 10 hp.
 - Merrill Crowe precipitation.
 - Clarification tank (4 sections) c/w cleaner tanks (4.9m x 2.1m x 2.1m).
 - Pressure filter (1.8m x 1.8m).
 - Clarifier pump box.
 - Clarifier pump 2x2 SRL @ 3 hp.
 - Clarifier cleanser tank/pump Sala SPV232 @ 7.5 hp.
 - De-aerator crow tower w/ control valve and level sight glass 914mm x 2.4mm.
 - Nash vacuum pump @ 10 hp.
 - Zinc feeder screw 2 in. x 3.5 ft. long.
- **Zinc Con Circuit:**
 - Press feed pump Gould vertical 2x3x13 @ 20 hp.
 - Perrin press 760mm x 760mm 20 frames complete.
 - Press discharge box 1m x 1m.
 - Press discharge pump 3x3 @ 5 hp.
 - Barren solution tank 3.5m x 6.5m.
 - Barren solution pump 3x3x10 @ 10 hp.
 - Process solution tank 3.5m x 6.5m.