

## Sepro iCON IGR3000 Alluvial Plant +Sepro iCON SGR2000 Gold Room

**[Inventory ID #1406039]**



### Sepro iCON IGR3000 Alluvial Plant +Sepro iCON SGR2000 Gold Room

- Make: Sepro iCON Mineral Systems
- Model: IGR 3000 Alluvial Plant + SGR 2000 Gold Room
- Year: 2021
- Condition: Unused Surplus - Never Used
- Package Consists of:
  - Sepro iCON IGR3000 Alluvial Plant
  - Sepro iCON SGR2000 Gold Room with Shaking Table
  - 200kVA Diesel Generator
  - Conveyor
  - Spare Part Package
- IGR 3000 Alluvial Plant
  - Capacity: 30 Tons Per Hour
  - Power Requirements: 200kVA Generator
  - Water Requirements:
    - Clean Water: 10m<sup>3</sup>/hr. for Concentrating
    - Process Water: 85m<sup>3</sup>/hr.
  - (1) Mild Steel Feed Chute With Static Grizzly
    - 75mm Grizzly Openings
    - Spray Nozzles
    - Feed Spout
  - (1) Sepro iCON 1.2m Dia. x 3.0m Long Rotary Scrubber
    - Polyurethane Liners
    - Polyurethane Lifter Bars

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- Rubber Ture Drive Assembly
    - Gearbox
    - (2) 7.5kW (10HP) Drive Motors
  - (1) Sepro-Sizetec HDS Double Deck Horizontal Screen
    - Size: 1m x 3m (3.2ft x 10ft)
    - Polyurethane Screen Panels
      - Top Deck: 12mm
      - Bottom Deck: 2mm
    - (2) 3.8kW (5HP) Electric Vibrating Motors
  - (2) Sepro SB350 Falcon Concentrators
    - Efficient Capacity: 10 Tons/Hour
    - Max Capacity: 15 Tons/Hour
    - Slurry Capacity (Max): 30m<sup>3</sup>/Hour (132 U.S. GPM)
    - Slurry Density: 5% to 65% Solids
    - Local VFD Drive
    - 3.7kW (5HP) Electric Motor
    - SB350 Falcon Components mounted in a Custom Steel Frame
  - (1) HD80A-C Heavy Duty Slurry Pump
    - 7.5kW (10HP) Electric Motor
  - Automation
    - (1) Control Panel complete with Motor Starter and VFDs
    - Wiring, Plugs, and Receptacles for all IGR3000 Equipment (Suitable for 380-460 Volt, 50-60Hz)
  - (1) Skid Frame Assembly for Mounting Scrubber and Screen
    - Complete with Water Distribution Manifold for Scrubber and Screen
    - Includes Integral Sluice Box for Coarse Gold Recovery (4ft x 10ft)
    - Screen Oversize Discharge Chute
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- Sepro iCON SGR2000 Gold Room
    - Table: Holman Wilfley 2000 Shaking Table
      - Max Solids Throughput: 450kg/hr.
      - Deck Dimensions: 2.1m<sup>2</sup> Deck Area
        - Concentrate Edge: 887mm
        - Tail Edge: 2,445mm
        - Weight: 95 Kgs
      - Water Supply: Wash Water Requirement of 5-20 liters/min
      - Feed Dilution: ~25-30% w/w Solids
    - Pumps: (1) iPump for Table Tailings + (1) iPump for Table Middlings
      - Discharge: 1in Dia.
      - Solids Capacity: 3 Tons/Hr.
      - Flowrate: 265 Liters/Min
    - Table Feed Decanting Cone
      - 60° Walls
      - Overflow and Internal Safety Screen

- Capacity: 1,200 Liters
  - Water Injection Points for Dilution
  - Manual Knife Gate Isolation Valve
  - Sepro C-25 Table Feed Pump
    - Discharge: 1in Dia.
    - Flow Rate: 21 Liters/Min
  - Vcella TL60 Electric Tilt Furnace - Never Used, Still in Packaging
  - Control Panel with VFDs and Starters
- 200kVA Diesel Generator
  - Model: DSG43
  - Year: 1995
  - Hours: 161.4 Hours
  - Voltage: 400/220 Volts
  - Current: 289 Amps
  - Frequency: 50Hz
  - Engine: Mercedes MTU
  - Fuel: Diesel
- Belt Feeder
  - Condition: Recently Refurbished - Belts are in Mint Condition
  - Belt Width:
    - Lower Belt: 75cm
    - Upper Belt: 90cm
  - Belt Length: 13m
  - Capacity: 60 Tons Per Hour (Plant Capable of 30 TPH)
  - Hopper Capacity: 5 Tons
  - Drive Motors:
    - Power Output: (2x) 3kW Each
    - Voltage: 400 Volts
    - Frequency: 50Hz
- Location: Europe

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