



SEPRO LINE CARD



| PRODUCT LINE | APPLICATIONS | SIZES | RECOMMENDED SOLIDS CAPACITY | MAXIMUM SLURRY CAPACITY | PROCESS WATER CONSUMPTION |
|--------------------------------------|--|--------|-----------------------------|-------------------------|---------------------------|
| Falcon Frontier Concentrators | <ul style="list-style-type: none"> Recovery of gold, silver and platinum group metals Recovery of gold from cyclone feed, underflow or overflow within the grinding circuit | FR400 | 3-15 tph | 30 m ³ /hr | 5-8 m ³ /hr |
| | | FR1350 | 50-150 tph | 205 m ³ /hr | 15-24 m ³ /hr |
| | | FR2500 | 100-250 tph | 340 m ³ /hr | 27-35 m ³ /hr |
| | | FR5200 | 200-400 tph | 545 m ³ /hr | 35-55 m ³ /hr |
| Falcon SB Concentrators | <ul style="list-style-type: none"> Recovery of gold in alluvial gold operations Recovery of gold from aggregate plants | SB400 | 1-15 tph | 30 m ³ /hr | 3-5 m ³ /hr |
| | | SB750 | 10-80 tph | 100 m ³ /hr | 8-12 m ³ /hr |
| | | SB1350 | 50-150 tph | 200 m ³ /hr | 12-20 m ³ /hr |
| | | SB2500 | 100-250 tph | 300 m ³ /hr | 15-28 m ³ /hr |
| | | SB5200 | 200-400 tph | 450 m ³ /hr | 25-35 m ³ /hr |
| Falcon C Concentrators | <ul style="list-style-type: none"> Primary concentration: tin, tantalum, tungsten, chromium, cobalt, iron, uranium, fine oxidized coal Scavenging of fine particles lost by low G force processes and flotation | C400 | 1-5 tph | 17 m ³ /hr | NONE REQUIRED |
| | | C1000 | 5-27 tph | 74 m ³ /hr | |
| | | C2000 | 20-60 tph | 210 m ³ /hr | |
| Falcon UF Concentrators | <ul style="list-style-type: none"> Recovery of ultrafine (3 um-38 um) friable particles (tin, tantalum, tungsten, etc.) Scavenging from deslime cyclone overflow High recovery upgrading of fine flotation concentrates | UF600 | 0.5 tph | ~6 m ³ /hr | NONE REQUIRED |
| | | UF1500 | 2 tph | ~20 m ³ /hr | |

| PRODUCT LINE | APPLICATIONS | STANDARD SIZES DIA. X L (m) | INSTALLED POWER (kW) | |
|---------------------------------------|--|-----------------------------|----------------------|------------|
| Tyre Drive Scrubbers | <ul style="list-style-type: none"> Processing of wet tropical laterites prior to recovery of nickel, cobalt and other minerals Washing of laterites to liberate fine precious metals or minerals for gravity recovery Deagglomeration of historic tailings prior to reprocessing Removal of clay from hard rock ores prior to crushing Washing of crushed aggregate, gravel and sand to remove clay contamination Cleaning of contaminated soil and rubble | 1.2 x 3.0 | 15 | |
| | | 1.5 x 3.6 | 30 | |
| | | 1.8 x 3.6 | 44 | |
| | | 2.1 x 4.0 | 75 | |
| | | 2.1 x 5.0 | 90 | |
| | | 2.4 x 4.2 | 110 | |
| | | 2.5 x 6.0 | 135-165 | |
| | | 3.0 x 8.0 | 220-300 | |
| | | 3.6 x 10.0 | 450-550 | |
| Tyre Drive Grinding Mills | <ul style="list-style-type: none"> Small tonnage plants – primary grinding Regrinding mills Reagent preparation Lime slaking | 1.05 x 1.4 | 18 | |
| | | 1.2 x 2.3 | 37 | |
| | | 1.5 x 3.0 | 75 | |
| | | 1.8 x 3.6 | 150 | |
| | | 2.1 x 4.0 | 220 | |
| | | 2.1 x 6.0 | 330 | |
| Tyre Drive Agglomeration Drums | GOLD <ul style="list-style-type: none"> Agglomeration of fines with cement, lime and barren solution prior to heap leaching COPPER, URANIUM, NICKEL LATERITE <ul style="list-style-type: none"> Agglomeration with sulfuric acid and organic polymers for binder prior to heap leaching | STANDARD SIZES DIA. X L (m) | INSTALLED POWER (kW) | UNITS (kW) |
| | | 1.8 x 5.0 | 45 | 1 x 45 |
| | | 2.1 x 6.0 | 60 | 2 x 30 |
| | | 2.5 x 8.0 | 90 | 3 x 30 |
| | | 3.0 x 9.5 | 135 | 3 x 45 |
| | | 3.6 x 10.0 | 240 | 4 x 60 |

| PRODUCT LINE | APPLICATIONS | SIZES | FEED CAPACITY (tph) | MAX FEED PARTICLE SIZE (mm) | OVERALL LENGTH (mm) (approx.) |
|--------------|--|-------|---------------------|-----------------------------|-------------------------------|
| Condor DMS | <ul style="list-style-type: none"> For pre-concentration and concentration of: ■ Metals, oxides and sulphides including bauxite, chromite, copper, gold, lead, nickel, tin, zinc, and more ■ Industrial minerals and silicates including barytes, coal, diamond, feldspar, fluorspar, potash, petalite, spodumene | CS250 | 10 - 30 | 20 - 25 | 2450 |
| | | CS300 | 30 - 50 | 30 - 38 | 2850 |
| | | CS400 | 50 - 80 | 40 - 50 | 3250 |
| | | CS500 | 80 - 120 | 60 - 75 | 3300 |

| PRODUCT LINE | DESCRIPTION | SIZES | RECOMMENDED CAPACITY @ 3.0 SG (kG) | DIMENSIONS (L x W x H) (m) | CONCENTRATE CONE VOLUME (m³) | LEACH TANK VOLUME (m³) |
|----------------------|--|---------|------------------------------------|----------------------------|------------------------------|------------------------|
| Sepro Leach Reactors | <ul style="list-style-type: none"> ■ Recovers gold from concentrates ■ Simple, fully automated process ■ Over 99% of target mineral recovered ■ Fast leach kinetics and no loss of fines | SLR10 | 10 | 2.8 x 1.3 x 2.6 | N/A | 0.02 |
| | | SLR350 | 250 | 3.9 x 1.8 x 3.1 | 0.2 | 0.5 |
| | | SLR1000 | 1000 | 4.9 x 2.3 x 3.6 | 0.8 | 1.8 |
| | | SLR3000 | 3000 | 6.0 x 2.9 x 4.2 | 2.3 | 5.5 |
| | | SLR6000 | 6000 | 7.0 x 3.4 x 4.7 | 4.6 | 11.0 |

| PRODUCT LINE | APPLICATIONS | SIZES | FLOW (CONTINUOUS) (m³/h) (GPM) | DISCHARGE PRESSURE (Bar) (PSI) |
|-------------------|--|-------|--------------------------------|--------------------------------|
| Peristaltic Pumps | <ul style="list-style-type: none"> ■ Municipal Waste ■ Mining Slurry ■ Food Industry ■ Paints, Glues, Oils ■ Effluent Processing ■ Thickener, Tailings | C10 | 0.03-0.21 (0.13-0.93) | 10 (145) |
| | | C15 | 0.08-0.48 (0.35-2.1) | 10 (145) |
| | | C25 | 0.28-2.5 (1.3-11.2) | 10 (145) |
| | | C32 | 0.65-4.7 (2.8-20.5) | 10 (145) |
| | | C40 | 1-7.5 (4.4-33) | 10 (145) |
| | | C50 | 2-11.6 (8.8-51) | 10 (145) |
| | | C65 | 4-18.8 (17.6-82.8) | 10 (145) |
| | | C80 | 5-27.6 (22-121.5) | 10 (145) |
| | | C100 | 10-50.3 (44-221) | 10 (145) |
| | | C150 | 25-115 (110-508) | 10 (145) |

| PRODUCT LINE | APPLICATIONS AND DESCRIPTION |
|--------------|---|
| Mixers | <ul style="list-style-type: none"> ■ Sepro has experience in most applications where mixing is a part of the process cycle, including mining, mineral production, food and beverage, and more ■ Specialty impellers include: bar turbine, pitch blade turbine, rushton turbine, saw tooth, pumper impeller, and folding blades impeller |

| PRODUCT LINE | APPLICATIONS AND DESCRIPTION |
|--------------|--|
| Crushers | BLACKHAWK CONE CRUSHER <ul style="list-style-type: none"> ■ 90 kW cone crusher for ball mill feed and pebble crushing ■ Lock bolt design for holding the cone liner eliminates the need for a torch or burning ring ■ Capacity ranges from 45-145 Mtpd depending on closed settings (from 8-32 mm) |
| | IMPACT CRUSHER <ul style="list-style-type: none"> ■ Horizontal impact crusher for a wide variety of materials ■ 50¾" wide x 37" high feed opening and 42" diameter x 49¾" wide four bar rotor |

| PRODUCT LINE | APPLICATIONS AND DESCRIPTION |
|--------------------|--|
| Horizontal Screens | <ul style="list-style-type: none"> ■ High capacity screens designed for dewatering, fine sizing, coarse sizing, and gravity scalping ■ Low profile screen box design for minimum head room requirements ■ Interchangeable screen decks with a variety of screen media options |