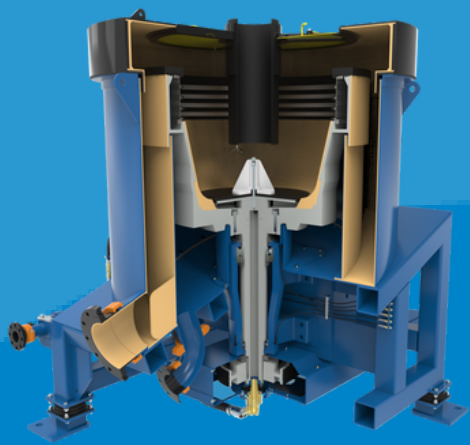


INTRODUCING THE FRONTIER BOWL

LEARN WHY THE SEPRO FRONTIER BOWL REPRESENTS **THE FIRST SIGNIFICANT IMPROVEMENT** IN GRAVITY GOLD RECOVERY IN MORE THAN **20 YEARS**.

Sepro Mineral Systems, Canada's largest mineral processing equipment supplier, has developed the new Frontier™ centrifuge bowl. This innovative bowl will soon be offered on all Falcon centrifugal concentrators and as a direct replacement part for most models of the Knelson™ centrifugal concentrator.

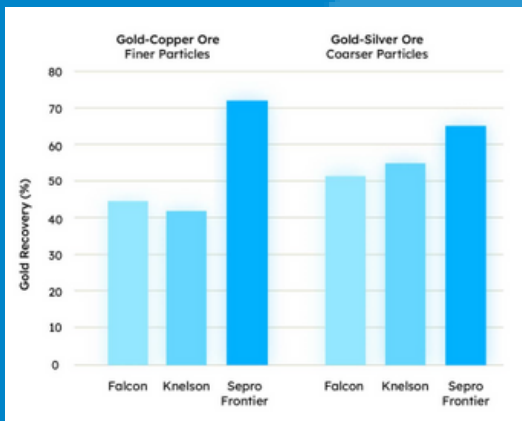


NEW TECHNOLOGY

The Frontier bowl uses an **innovative new geometry** with a quasi-parabolic riffle profile. This design takes advantage of the concentration mechanisms of both incumbents with riffles on both sides of the dynamic slurry face.

COMPARISON

- **20% higher recovery** on the high-grade ore with coarser gold particles (65% vs 55%)
- **50% higher recovery** on the low-grade ore with finer gold particles (65% vs 45%)



[Learn more by clicking here!](#)

BEST OF BOTH DESIGNS

The Sepro Frontier bowl **excels under most test conditions**, but for that we must understand the baseline differences between the Knelson and Falcon concentrators.

- The Knelson™ concentrator consists of an inclined, constant-angle bowl wall and fluidized riffles along the entire height of the bowl.
- Falcon SB concentrator bowl consists of an inclined, smooth-walled separation zone followed by a vertical recovery zone with fluidized riffles.

REPLACEMENT PART

The Sepro Frontier bowl can be supplied as a direct replacement part in a Knelson XD48. In a head-to-head industrial trial, the Frontier bowl achieved a **47% reduction** in cyclone overflow grade, from 11 g/t to just 5.8 g/t Au.

DOWNLOAD FULL WHITEPAPER HERE.



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