

Flotation Testwork...

Whether you require single flotation tests on an ore sample or testing/characterisation of an entire ore body the Process Mineralogy group at **Xstrata Process Support** can customize testing requirements to suit your needs. Using standardized and documented procedures, our highly experienced team of technicians, metallurgists and mineralogists will get you the information you require in a timely fashion and at a competitive price.

Flotation programs can include Quantitative Mineralogy using XPS' QEMSCAN and Electron Microprobe which can explain metallurgical response and lead to optimised flowsheets with fewer tests.

Our mineral processing laboratory, located in our state of the art XPS Centre facility in Sudbury, Canada is fully equipped with Denver flotation machines, batch mills, Warman sub-sieve cyclosizers, Malvern laser particle size analyser, and a complete array of the required lab scale mineral processing equipment.

Our flotation services include high-confidence (95% confidence level), singleton, locked cycle and mini pilot scale using designed experiments where applicable. Reagent screening and flowsheet development can also be evaluated as part of a flotation program.



Technicians at XPS performing flotation and cyclosizing testwork (above left and centre).

Capabilities:

- Flowsheet development and plant design
- Plant support, troubleshooting and diagnostic metallurgy
- Reagent optimization (mixed collectors, depressant screening, frother trials)
- Singleton, *High Confidence*, Locked Cycle Tests, rougher scavenger flotation, cleaner flotation
- Regrind (steel and inert media) assessments
- Ore characterisation
- Mini flotation pilot plant offers 1:1 scale up to full scale plant

*"Adding value...
...Reducing risk"*



For further information on XPS flotation testwork services please contact:

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