

The Process Mineralogy group consists of a blend of skilled engineers, geoscientists and experienced laboratory technologists who apply their expertise to mineral processing, quantitative mineralogy, sampling and statistics to meet the strategic short and long term needs of the mining industry.

At our world class facility outside Sudbury, Ontario, we are equipped to undertake high quality services including quantitative mineralogy with in-house QEMSCAN and microprobe, Geomet Unit definition and sampling, ore characterisation studies, flowsheet development and optimization including batch and continuous mini pilot plant testing, process engineering consulting, and grinding process modelling.

The group also offers on-site consulting to ensure robust, representative sampling of orebodies, as well as plant audits, assistance during start-up or troubleshooting.

Whether you have an exploration property or an operating plant, at XPS, we focus on quality. *Let us add value to your operation.*

We can add value to your project or operation through:

- Ore Characterisation Studies
- Quantitative or Semi-Quantitative Mineralogy (QEMSCAN, Microprobe, SEM/EDX, XRD)
- Sample Selection and Geometallurgical Composite Formulation
- Mineralogical Measurement of Plant Monthly Composites
- High Confidence Flotation Testwork
- Flotation Mini Pilot Plant (MPP) Technology
- Gravity and Physical Separations and Process Troubleshooting
- Flowsheet Development/ Optimisation in PGM, Gold, Base metals, and REE's
- Mixed Collector Evaluations using Lab Scale Factorial Design of Experiments
- Custom Feed Evaluations, Economic and Synergy Analysis
- Plant Support, Start-up and Consulting Services
- Statistical Validation of Plant Trials
- JKSimMet Grinding Process Simulation
- Mineral Processing Plant Design Criteria
- Concentrator Surveying
- Pilot Scale Crushing and Blending



What we can do for you....

- Mineral Processing
- Quantitative Mineralogy
- Sampling & Statistics
- Mini Pilot Plant
- Consulting Services
- On-site Plant Support