



# Advanced Microanalysis Centre™

## QEMSCAN® Analysis

The Saskatchewan Research Council's (SRC) Advanced Microanalysis Centre™ has expanded its range of services to include automated mineral analysis using an FEI Quanta 650 field emission QEMSCAN®.

The QEMSCAN® service is used in mineral processing to assess the grain size distribution, as well as the mineral association and liberation characteristics of key minerals in order to design more efficient recovery processes.

In mineral exploration, QEMSCAN® can be used to provide a quantitative modal analysis and virtual petrography on thin sections and core; information that is useful in aiding target prioritization.

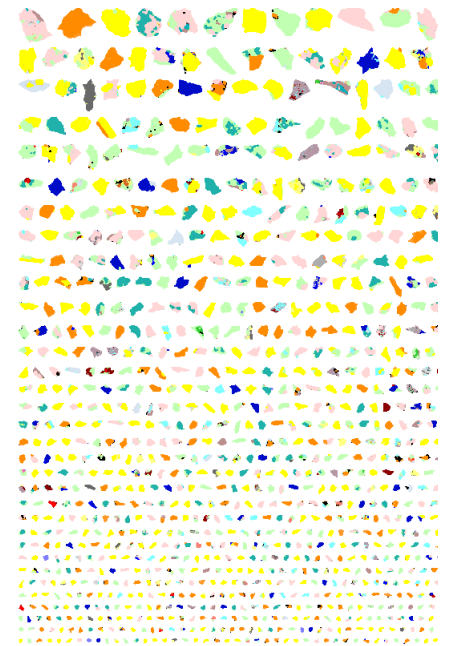
QEMSCAN® analysis in oil and gas exploration can be used to quantify and characterize the porosity of fine-grained reservoir rocks as part of the virtual petrography and modal mineralogical analysis.



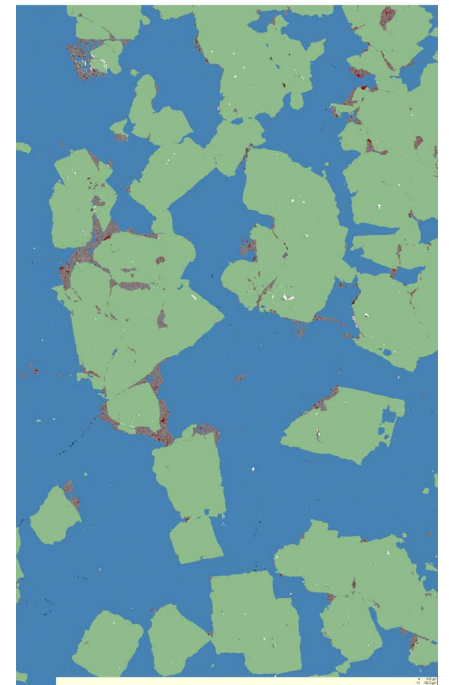
### CONTACT

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Service	Price
Crush, grind and sieve test samples	\$800
30 mm ø block mount	\$150
Development of a sample-specific mineral identification database	\$5,000
Quantitative mineral abundance	\$500
Quantitative mineral abundance, grain size distribution, morphology and mineral associations	<100 µm: \$1,200 >100 µm: \$1,000
Requires modal mineralogy; customizable liberation criteria, mineral associations and predicted recovery	\$1,500
Quantitative mineral abundance from thin sections	\$100/cm <sup>2</sup>
Quantitative mineral abundance in situ from core samples (size restrictions apply)	\$100/cm <sup>2</sup>
Quantitative mineral chemical composition by electron microprobe analysis	\$175/hour
Compilation, interpretation and report preparation	\$175/hour



*Mineral grains from uranium ore sorted by size.*



*Millimetre-scale sylvite (green) and halite (blue) grains from potash core sample.*