

Design performance realized

**SAGDesignTM
Testing**



Created by:

Starkey & Associates
Grinding Design and Process Engineering

Planning to use a SAG Mill in your grinding circuit? Speak with us first.

Before you make large capital investments and production planning decisions, make sure you find out the design characteristics for your ore body by utilizing the **SAGDesign Test**. When combined with supervised sample selection, no other test can provide better accuracy for the required grinding energy needed for SAG and ball milling. This gives you the peace of mind that you have the right information to procure properly sized grinding equipment or how to optimize your existing grinding circuit. In either case, speaking with us first is your best move to realize throughput targets now and in the future.

Starkey & Associates, the creators of the SAGDesign Test offer unmatched industry experience and full disclosure of calculations and equations. This patented technology was introduced to the market in 2004, and since then we have completed over 100 tests for some of the industry's leading mining organizations including Barrick, Cariboo, Hecla Mining, High River Gold, Kinross, Phelps Dodge (now FMI), Polymetal, to name a few.

Critical to the process is taking the proper ore samples at the mine site and replicating commercial grinding conditions at one of our accredited testing laboratories. These facilities are ready to receive samples and are located world-wide including Australia, Russia and the United States. Regardless of the location you choose to send your samples, the tests are executed identically and are calibrated in three different ways to maintain the utmost levels of consistency. All testing centres are able to accommodate drill core taken deep in the ore body and later, upon receiving the final report, you will see how the SAGDesign's unique linear calibration ensures accuracy on all ores - even the hardest.

After receiving the data from the laboratory, it is reviewed and analysed at our head office in Canada

where the design information is compiled and the reports finalized. For most projects, this information is ready for you in less than two months from receipt of samples to finished report.

The quick-turnaround is advantageous to larger organizations issuing tenders because they are able to provide power and size specifications from the SAGDesign results in a timely manner to vendors. They are also able to fast-track major projects by going directly to SAGDesign Testing instead of traditional testing methods that take many months to complete. SAGDesign testing also allows positive confirmation of any previous design work.

By specifying the SAG Mill that is best for your ore body, your procurement department is able to accurately compare responses from multiple mill manufacturers – “apples to apples” and to select a mill vendor in time to meet the construction schedule for the project.

Junior mining companies also benefit from the quick turnaround because testing costs are kept to a minimum – and lower than any other method.

Finally, the cost of SAGDesign Testing is within any budget and the information is invaluable, especially considering the potential lost revenue from a circuit that does not perform to expectations and the subsequent impact on an organization's revenue.

Still not convinced? Ask us about one mill manufacturer that will guarantee throughput and grind in their mills if the SAGDesign Test is used.

Contact us by telephone at (905) 849-6111 or by email at Info@SAGDesign.com while the drill core is still in the field and find out the information you need to make the right grinding circuit decisions for your organization.