



## Product datasheet

# SAG liner support and optimisation - FLS Mill Service

### Your partner in data-driven performance

Results that go deeper, driven by our experience servicing a global install base. Optimisation of liner and material design, tailored data analytics and site specific recommendations.

### Our experience is your advantage

As a supplier of both mill and mill liners, FLS provides technical advisory services and audits to help customers select the appropriate liner profile and material for their mills, including cast steel, rubber or composite, for improved productivity and safety.

We also provide highly skilled and experienced relining installation, service, proficiency, audits and a consistent safety record.

### Key benefits

- Optimised liner design based on 3D scanning improving mill performance
- Increasing productivity through complete mill service
- Wear trending report and analysis helps improve operating procedures
- Avoid unforeseen shutdown with accurate forecasting

## Discover worn liners in 15 minutes

Mill operators searching for ways to increase productivity of their SAG mills can now enjoy the benefits of complete mill service from FLS, including supply, installation, 3D scanning, inspection, optimisation, process support and bundled pricing.

Understanding the ways in which the mill lining wears is key to increasing up-time and accurately scheduling maintenance shutdowns.

This is where the FLS 3D scan steps in, and provides a means to visually compare the worn set of liners against a scan of new liners to gauge wearing trends and schedule maintenance.

## 50 million data points project wear life

These 3D scans safely allow in-depth inspections and require significantly less time for liner specialists to be inside the mill. In fact, the entire scanning setup and tear-down can be completed in 15 minutes.

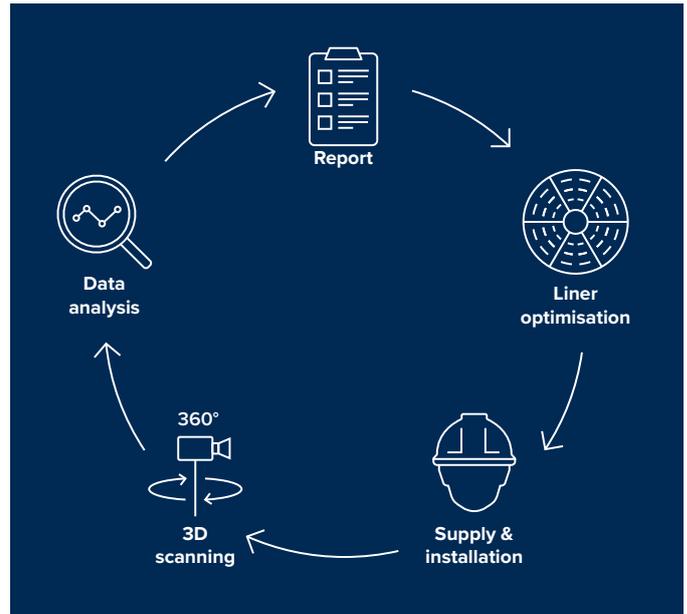
Analysis of up to 50 million data points collected during the scan offers insight on the wear pattern and even provides information about operating practices and projected wear life.

Using this data, our mill specialists generate a report that serves as the basis for discussing wear life estimations, shutdown planning and opportunity for improved operating procedures.

Using Discrete Element Method (DEM) software and topological analysis, we are able to simulate and analyse optimisations, and consider changes to mechanical and material designs that may improve liner productivity and wear life.



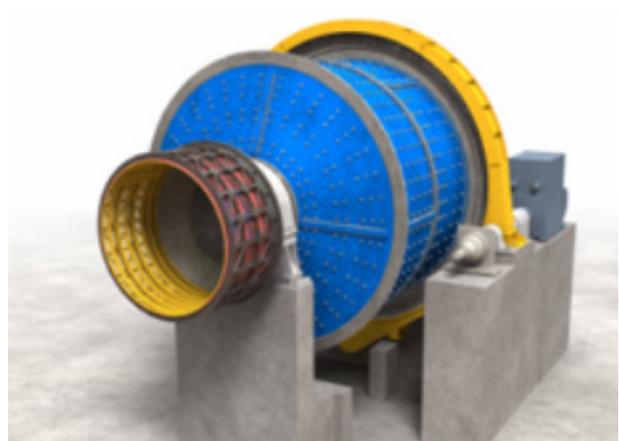
Our team of experts will help you to find potential for liner design and material improvements.



## Superior mill liners, service and support combine to improve a mine's success

Our state-of-the-art 3D scanning technology and profiling techniques provide an accurate view of the condition of your mill liners. We follow this up with expert analysis and a detailed report, letting you know how your mill running – and how it can be improved.

Solving challenges of SAG mills has been a collaboration with our customers and our willingness to listen and observe – before offering solutions that go to the root cause of the problems. Contact us today to discuss our FLS mill service.



Optimise your operations from the inside to the bottom line.

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