Vision Insight® Monitoring & Reporting

Vision Insight helps our customers achieve the maximum life expectancy from detailed monitoring and reporting.
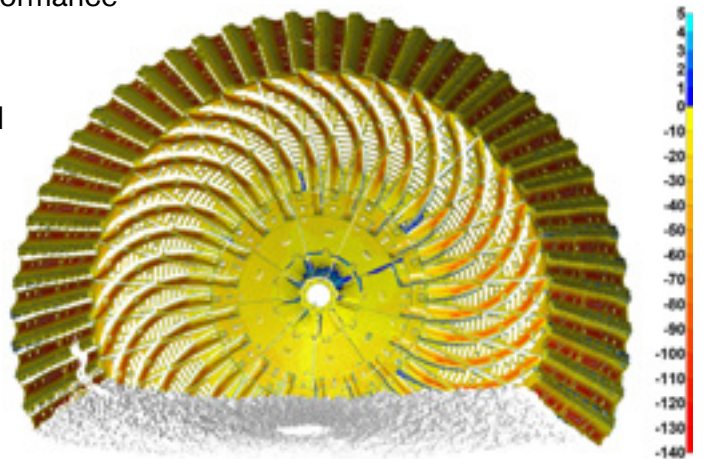
Vision Insight converts raw mill liner wear data into actionable intelligence, enabling informed, data-driven decisions that enhance equipment performance and reliability.

By combining high-resolution 3D wear monitoring with predictive analytics, it delivers visibility into wear patterns, forecasts liner life with precision, and uncovers opportunities to optimize mill rotations. This means fewer unplanned shutdowns, improved throughput, and greater control over maintenance planning.

Advanced Monitoring

Bradken®'s global sales and engineering teams perform in-person asset scanning and advanced analysis for grinding mills utilising 3D laser scanning, 360° imaging, and ultrasonic thickness testing to deliver wear data and liner life predictions across:

- **Mill Charge Volume Analysis:**
  Track and visualize charge levels at each inspection to monitor consistency and identify operational shifts. Historical comparisons can pinpoint trends and support data-driven adjustments to mill performance.

- **Mill Throughput Performance:**
  Correlate wear data with throughput by analyzing time versus tonnes processed per liner. This enables more accurate performance forecasting and helps optimize liner usage.

- **Liner Wear Profiling**
  As your operation evolves, so do your liners. Detailed wear profiling supports the development of optimal mill filling strategies—maximizing throughput, minimizing downtime, and adapting to changing ore conditions.

Our Innovation. Your Advantage.

Bradken Insite®

Vision Insight reports are shared on Bradken Insite, our secure customer portal.

Your new and historical reports are available anytime on any device, and are uploaded to Bradken Insite in PDF format, where you can review them anytime and compare them with previous reports for deeper insights.
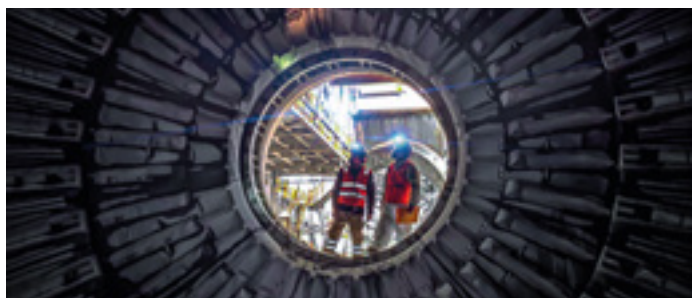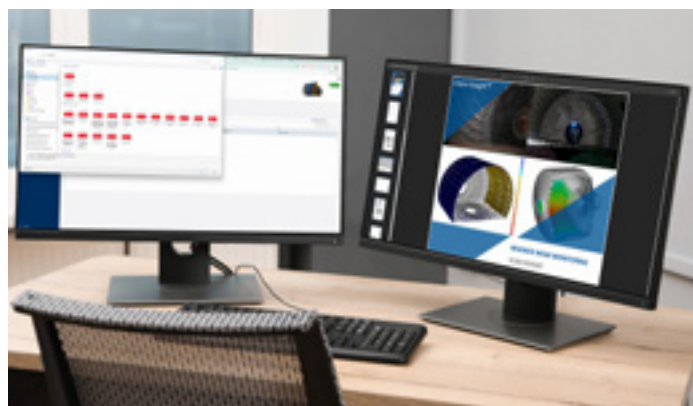
This enables predictive analysis and supports maintenance shutdown alignment with reline schedules reducing unplanned downtime.

Vision Insight is designed for all mill types, including AG, SAG, Ball, and Rod mills, and reports are available in multiple languages.

By combining accurate wear monitoring with proprietary prediction algorithms, Bradken's Mill liners paired with Vision Insight's monitoring and reporting helps optimise the best solution.

Your data informs liner designs, extends wear life or increases throughput to improve your unique processing circuit operations.

Bradken® leverages over 100 years of expertise in parts design and manufacturing, combining advanced data analysis and expert simulations to help customers optimize productivity, throughput, availability, safety, efficiency, and energy consumption.

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