MOTION METRICSTM

LoaderMetricsTM Gen 2 helps mines avoid costly downtime

with AI tooth detection

Productivity is king at mines,

making equipment downtime one of the costliest problems our customers face. Weir Motion Metrics™ provides a range of solutions that pay for themselve by reducing crusher, shovel, and loader downtime caused by G.E.T. components.

- **Missing Tooth Detection**
- **Blind Spot Reduction**
- **Compatible with All Loader Types**



Mining technology for a sustainable future



LoaderMetrics™ Gen 2

Reduce Production Loss Caused by Tooth Breakage and Increase Operator Awareness

Mines often face costly crusher jams due to broken G.E.T. (Ground Engaging Tools) components, According to several studies at various copper mines in the US, Chile, and Kazakhstan, missing G.E.T. components can cause more than five days (over 120 hours) of crusher downtime per year.

LoaderMetrics™ Gen 2 Al-powered bucket tooth monitoring and blind spot reduction system boosts productivity and safety across all loader types. With integrated Missing Tooth Detection and Blind Spot Reduction, it helps to prevent unplanned crusher downtime, loader damage and accidents, delivering substantial annual cost savings.





LoaderMetrics™ Gen 2 delivers fast alerts to the operator and operations staff while event loas are saved securely to the cloud.

KEEP YOUR CRUSHER UP AND RUNNING WITH AI ALERTS FROM WEIR MOTION METRICSTM

Features

- ✓ Missing Tooth Detection
- ✓ Blind Spot Reduction
- ✓ Compatible with All Loader Types

Value To The Customer

Over the course of a year, LoaderMetrics™ detected 12 missing loader teeth at a Chilean copper mine and helped the site avoid about 50 hours of downtime.

Design and Construction

We build our hardware in Canada to meet or exceed military standards for temperature, shock, vibration, and dust. The **Loader**Metrics™ thermal camera is ruggedized with a hardened enclosure, which itself is well protected from falling debris inside a specially-designed steel mounting bracket. Weir Motion Metrics hardware is field-proven and well supported by field and remote service technicians to ensure you don't miss a thing.

Safety

Researchers found that incidents involving crushers are the second most common cause of fatalities caused by stationary machinery at U.S. mines. Jammed crusher incidents always present a serious safety issue for any mine due to the tremendous amount of stored kinetic energy.



Weir Motion Metrics mitigates the main culprits of crusher obstructions by providing industryleading smart G.E.T. monitoring for teeth and lip shrouds.

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MOTION METRICSTM

Our helpful representatives are present everywhere you do business.

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