SAWSENSE Temperature Monitoring System

**Rim & Eye Temperature Sensors
+/-0.1 (1.8 ºF) Degree Accuracy**

WIFI Communication System

Williams and White has introduced a new temperature sensing technology to improve mill performance.

This PATENTED technology accurately measures, in real-time, the temperature of a saw blade during operation. This product is available for both round saws and band saws, and can be implemented for permanent use or diagnostic purposes.

SAWSENSE harnesses The Industrial Internet of Things (IIOT) to drive mill operations and efficiency to the forefront of the industry.

SAWSENSE•

Highlights:

☑ **Reduces oil consumption up to 40%** ➔	Reduces corrosion and pooling; less moisture in sawdust
☑ **Rechargeable batteries** ➔	Up to 1 year of battery life between charges
☑ **0-80ºC (32-176 ºF) temperature range** ➔	+/- 0.1ºC (1.8 ºF) Accuracy
☑ **For all saw applications** ➔	Can be integrated into any saw guide or band guide block
☑ **Two sensors per system** ➔	For critical temperature differential readings
☑ **Permanent and diagnostic options** ➔	Customized for your specific needs

Sawsense temperature Sensor

+ Monitoring rim and eye temperatures with 2 replaceable sensors heads

+ Sensor retracts to facilitate babbitt milling operation

+ Excellent wear resistance

+ Rapid data transmission

WIFI Wireless Communication

+ Continuous monitoring

+ Access data from nearly any convenient location within the primary networking environment

+ Configurable sample rate

Proven in mill applications

PLC Integration

+ Programmable Logic Controller (PLC) Integration available to integrate SawSense into your existing mill control systems.

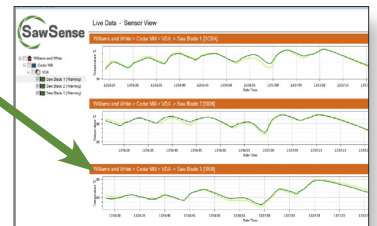## SawSense Monitoring

+ Measure and log temperature performance

Wireless Charging

+ Convenient charging by dropping the unit on the charging pad.

+ No charging port to break!

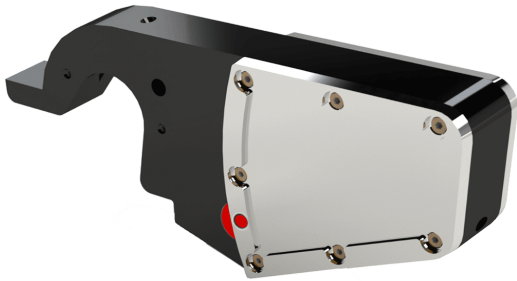+ Long lasting battery life (up to 1 year)

Data and Graphing

+ Real-time analytics
+ Historical analytics
+ Recording analyzed data

Benefits to the sawmill

✓ **Decreases sawing deviation**	→ Prevents wrecks/unscheduled saw change
✓ **Rim & eye real time measurement**	→ Ensures optimal saw performance
✓ **Higher chip quality**	→ Higher value
✓ **Increases mill speed**	→ Higher profits
✓ **Alarm notification system**	→ Reduces saw and guide damage and downtime
✓ **Identifies performance issues in real time**	→ Determine or eliminate potential problem areas

// Diagnostic SAWSENSE VS SMARTguides

SMARTGUIDE

Diagnostic SAWSENSE

Comparison:

SMARTGUIDES with SAWSENSE	Diagnostic SAWSENSE
✓ Guide embedded	✓ Bolt-on system
✓ Designed for permanent temperature monitoring	✓ Designed for temporary diagnostic purposes
✓ PLC integration available	✓ PLC integration not available
✓ Sample rate adjust-ability available	✓ Sample rate not adjustable
✓ Hardware is enclosed/protected	✓ Hardware is exposed