

Millguard Pro™

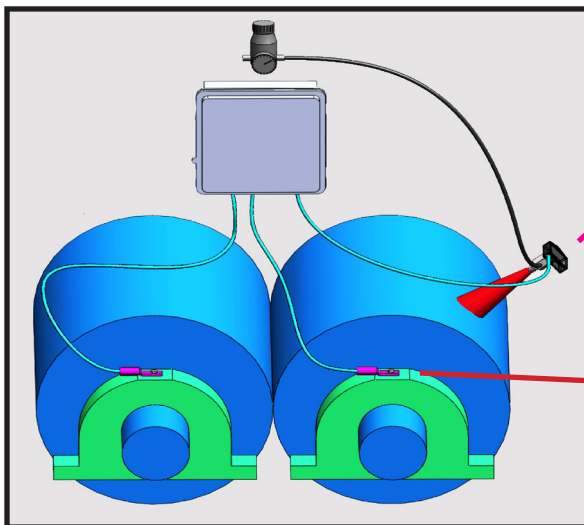
ROLL STAND MONITORING SYSTEM

CMC's Millguard Pro™ roll stand monitoring system is designed to monitor the temperature of the main bearings and also the roll surface on flour milling roll stands. The system continuously monitors the temperature and provides real-time feedback and can be set up to alarm and shut down when a fault condition occurs.

The CMC system continuously monitors the following points: 8 main bearings and 4 roll surface temperature points. All sensors are mounted in protective housings and conduit appropriate for the harsh, dusty environments that exist in flour mills. Bearing sensors attach directly to the bearing housing using the existing brass zerk fitting and infrared (IR) roll temperature sensors attach directly to the roll stand casing using an aluminum housing. All sensors come supplied with 6 feet (2 meters) of durable cable and an industrial RJ11 connector for easy installation and replacement. CMC's roll stand monitoring system is designed with the end user in mind and requires minimal training to install, setup, and operate.

FEATURES & BENEFITS

- Scalable system can monitor 8 bearings and 4 roll surface points per stand
- All sensors have factory installed quick disconnects for simple installation
- Intrinsically Safe system designed for dusty locations – easy to maintain
- Stand alone or full integration with existing plant automation system
- Real-time data feedback and logging of alarm condition and location
- Prevents machine damage and costly downtime
- Improves milling safety and efficiency



IR SENSOR DETECTS THE
TEMPERATURE ON THE ROLL SURFACE

BEARING TEMPERATURE SENSOR INSTALLS
USING THE EXISTING BRASS ZERK FITTING

Millguard Pro™

ROLL STAND MONITORING SYSTEM



BEARING TEMPERATURE SENSOR ATTACHES
DIRECTLY TO BEARING HOUSING SURFACE
USING BRASS ZERK FITTING



INFRARED SENSOR READS
ROLL SURFACE TEMPERATURE

THE EZS 128 CONTROLLER HAS AN INTUITIVE
TOUCH SCREEN DISPLAY AND
PROVIDES ALARMS AND MACHINERY
SHUTDOWN FOR UP TO 10 ROLL STANDS

CONTROLLERS	Stand Alone System	EZSentinel 128
	Full Plant Automation Integration	WS1 Webserver or WS2-HM
SENSORS	Bearing Temperature	mTS011
	Roll Stand Temperature	mTS017-10
BUS CONVERTER	ATEX Bus Converter	mBC083
FIELD INTERCONNECT	NEMA 4X FIB	mTB006

MGP DS REV A01

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