

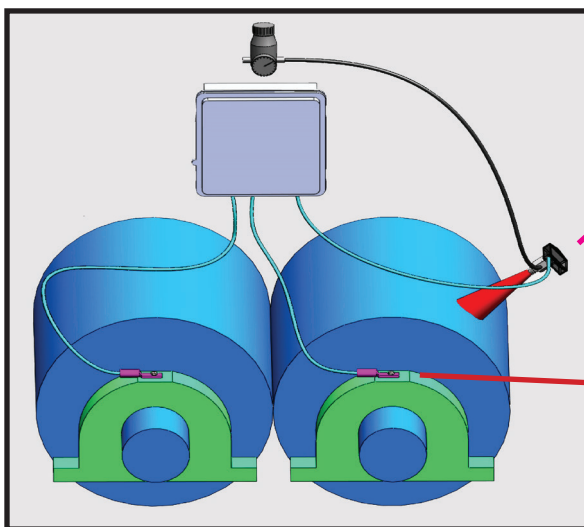
Millguard Pro™

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. On each roll stand 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 6.5 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 & 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 flour mill 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



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



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



INFRARED SENSOR READS ROLL SURFACE TEMPERATURE

CONTROLLERS

Stand Alone System
Full Plant Automation Integration

EZSentinel 128
WS1 Webserver or WS2-HM

SENSORS

Bearing Temperature
Roll Stand Temperature

mTS011
mTS017-10

BUS CONVERTER

ATEX Bus Converter

mBC083

FIELD INTERCONNECT

NEMA 4X FIB

mTB006

