

TURRET BEARING DEFLECTION MONITORING

Non-contact bearing deflection measurement is now achieved with the ST310 BearingVIEW software and select hardware from Sequence Technologies. With two ST303 OptiGAGE laser sensors mounted inside the turret chamber, deflection monitoring, typically performed by cumbersome manual measurements with dial indicators, is a simple process. The ST300 DataAQ data acquisition system and PC are linked via USB cable, allowing data to be transferred at up to 100kS/s. The interactive software allows the user to measure deflection samples one at a time, or automatically over an extended period up to 24 hours. In addition to the displacement results from the lasers, the ST703 series accelerometers may be used in conjunction to gain further insight to the health of the bearing.

This method of deflection measuring saves time over traditional methods and eliminates potential safety hazards associated with confined space regulations.

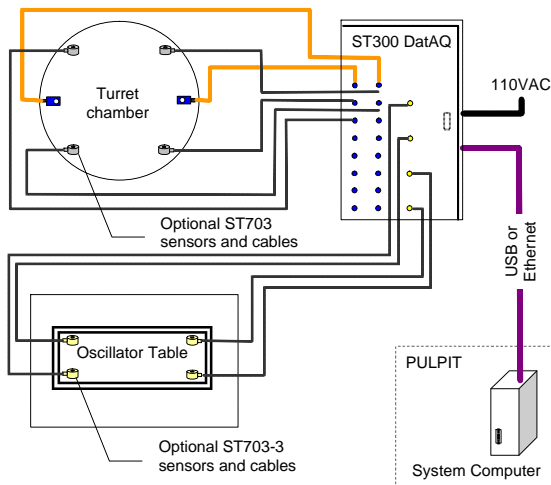
Other uses for the ST300 DataAQ include:

- Predictive Maintenance Analysis
- Process Monitoring

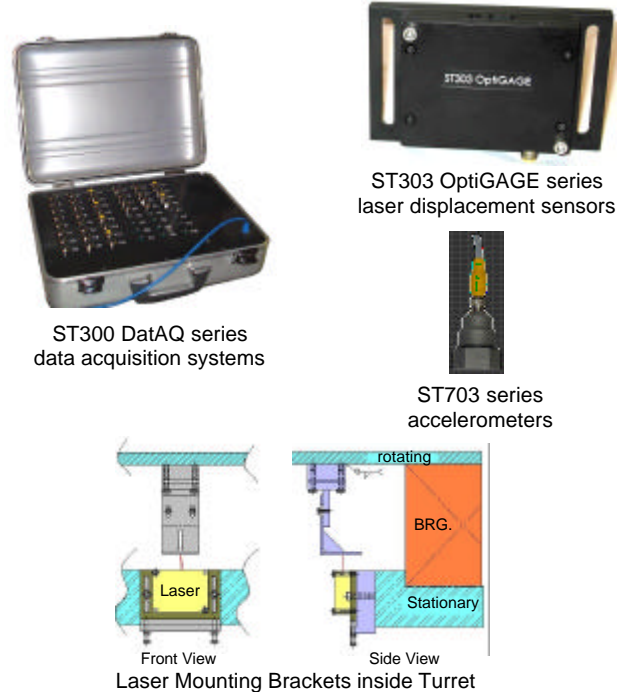
KEY FEATURES

- ◆ Non-contact displacement measurements
- ◆ Record and view live measurements
- ◆ Save and review historical data on the PC
- ◆ Designed for industrial applications
- ◆ Rugged, mill-duty components
- ◆ Analyze laser displacement along with accelerometer frequency data on one system

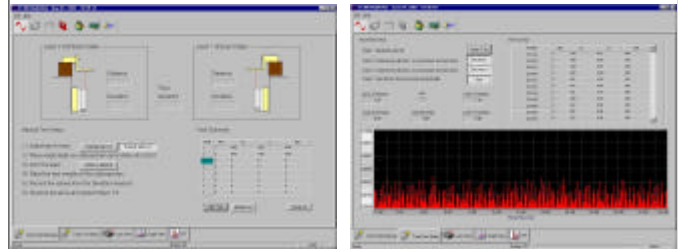
TYPICAL SYSTEM LAYOUT



**Turret Bearing Deflection Monitoring
HARDWARE**



SOFTWARE



ST310 BearingVIEW - Manual mode steps the user through a series of on-screen instructions to measure the bearing deflection.

Auto mode allows the user to record & graphically view the bearing deflection over an extended period, up to 24 hours.

BENEFITS

- ◆ Eliminate unreliable recording of dial indicators
- ◆ Obtain accurate real-time data
- ◆ Comply with confined space Safety Regulations
- ◆ Facilitate ISO certification

