



COMBUSTION SAFETY SYSTEM INSPECTION

Conrad Kacsik Instrument Systems, Inc., provides certified **Combustion Safety System Inspection Service**. The service involves inspecting for proper safety system valves, controls and proper furnace start-up and flame safety system operation.

We perform a gas valve and control train safety inspection for compliance with NFPA 86 Guidelines for Ovens and Furnaces. Detailed checks include the gas and combustion air pressure switches, combustion sequence control logic and electronic operation, safety valve operation, closure and leak testing. If the equipment fails to meet required specifications because of design, method of use, or excessive wear or damage we will advise you.

A typed Safety Inspection Report documents performance for furnace and devices reviewed. The report includes observations and recommendations. Temperature measurement equipment used and related work performed is NIST Traceable. Our Certification Compliance Documents include AMS-H-6875A, AMS 2750C, McDonnell Douglas DPS 1.700 and PS23401, BAC 5621, ASTM E220-86 Thermocouples, and MIL-STD-45662A Calibration. We operate within the parameters of ISO/IEC 17025.

Completing a thorough inspection and testing requires 4 hours per furnace safety control train with our technician operating all related furnace controls. Procedure may require component removal for inspection and testing, so the furnace must be able to be shut down and cycled during this period.