



## **COMBUSTION BURNER SYSTEM TESTING AND ADJUSTMENT SERVICE**

Conrad Kacsik Instrument Systems, Inc., provides certified **Combustion Burner System Testing and Adjustment Service**. The service involves burner and control adjustment and repair.

We perform burner and furnace combustion testing and adjustment service to make certain the combustion air, gas control, mixers and process control are operating as designed to optimize combustion system operation. Combustion air and fuel systems are inspected, including regulators, mixers, and limiting orifice settings, adjustments and pressures. Combustion products analysis is combined with pressure and flow testing for pilots and main burners. Adjustments are made as required and recommendations provided if additional work or parts are indicated. If the equipment fails to meet required specifications because of design, method of use, or excessive wear or damage we will advise you. Work is performed in accordance with NFPA 86 Guidelines for Ovens and Furnaces.

A typed Combustion Burner System Testing and Adjustment 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 thorough inspection and testing generally requires 4 hours per furnace with our technician operating all related furnace controls. Procedure requires furnaces to be ramped up and down and tested off line, adjusting set points, combustion settings and possibly control configuration, so the furnace must be able to be shut down and cycled during this period.

Combustion Burner System Testing and Adjustment Service can be combined with the Combustion System Safety Inspection and on an annual contract basis. The combined service provides a complete safety and burner control and adjustment review.