

COMBUSTION

cleaner burning coal solutions TECHNOLOGIES

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Combustion Technologies Corporation (CTC) was formed in 2000 as a consulting and system integrator, specializing in the supply of combustion products and services to utility power plants.

With our engineered approach, CTC concentrates on boiler improvements through combustion optimization. As a pioneer of accurately measuring and precisely controlling the air and fuel to coal burners, CTC has helped to reduce emissions and improve efficiency at a vast number of power utilities.

CTC partners with industry leaders in flow measurement and control, as well as CO, O₂ and NO_x measurement, for boiler optimization.

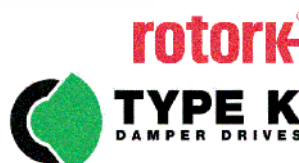


Combustion Technologies not only supplies utilities with instrumentation and hardware for handling, measuring and controlling coal, ash and air, we also offer services to help integrate these products in day to day plant operations. Working with Operations, I&C and other departments, CTC can instruct key personnel to use these products to their fullest potential.



- Instrument Calibration and Check-Out
- Installation Assistance
- Routine Maintenance of Instruments
- Coal Pipe Balancing
- Burner SA Adjustment
- Overall Combustion Optimization

Manufacturers Represented:





Combustion Technologies Corporation - has a variety of engineered systems to be used in coal lines between the pulverizer and the burner, creating optimal combustion control and improved boiler performance. The NT Series Coal Valve has been designed for all pipe diameters and is easily installed in any size pipe, without removing any pipe section.



Delta Measurement & Combustion Controls - manufacturer of multi-point continuous combustion analyzers for use in particulate laden gas streams, including utility, non-utility boilers, and lime kilns. DMCCO is capable of measuring CO/O₂/NO and gas temperature. DMCCO Combustion analyzers are a proven way to improve combustion, reduce NO_x, LOI and slagging, as well as improve efficiency.



EES - a leader in the field of enhancing combustion and emissions reduction technology - Slag Control; SO₃ and acid gas control; SO₂ control without the use of scrubbers; Mercury and heavy metals remediation; NO_x control with SNCR; CO₂ control; Opacity and PM control. CFD Modelling; Igniters and Flame Detectors



KleeNwater - expertly developed bench scale treatability testing, onsite pilot testing, and laboratory analysis allows for the most efficient, effective, and affordable water treatment solutions from traditional physical/chemical systems to advanced membrane water reuse systems.



Air Monitor Corporation, Power Division - the world leader in measuring combustion air flow and pulverized fuel flow. Accurately measuring Primary Air, Secondary Air, Over Fire Air, Burner Air and Fuel Flow. Reducing NO_x, CO, LOI and improving plant efficiency. Diagnosing fuel delivery problems - pipe imbalance, layout, surging, fires, etc.



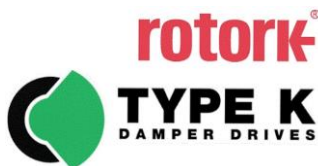
Enexio - Leaders in Wet and Dry cooling towers, design manufacture and service. The former Power Cooling division of GEA Group AG - ranges from Air Cooled Condensers, Heller Technology® and Wet Cooling Towers including Service for Wet and Dry applications to 2H Water Technologies



Kennametal - pioneers in cladding technology - Kennametal Conforma Clad formulas are designed to protect equipment from multiple modes of wear, including abrasion, erosion, corrosion or any combination of the three.



STOCK - trusted leader in power industry solutions, providing key product groups, including Gravimetric Feeders, Volumetric Feeders, Valves, Environmental Controls and Stock Fairfield bulk material handling.



Type K Damper Drives - play a critical role in boiler control, efficiency, reliability, improved heat rate and improved boiler emissions. The Type-K Damper Drive is state-of-the-art in design with long-term reliability and performance which will enhance boiler operation when used plant-wide in all types of applications