



Single Source Solutions For:

**Ovens & Dryers • Energy Recovery Systems  
Air Pollution Control Systems • Production Machinery**

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February 23, 2009  
For Immediate Release

## **Air Pollutant Destruction Efficiencies Of CMM Regenerative Thermal Oxidizers Exceed All Government Standards**

Available with airflow capacities from 3,000 to 200,000 scfm+, Regenerative Thermal Oxidizers (RTOs) from The CMM Group provide air pollutant destruction efficiencies exceeding all local, state and federal clean air regulations.

By utilizing ceramic media packed into vertical canisters as a high-efficiency heat exchanger, CMM RTOs can destroy 99%+ of the air pollutants emitted from process exhaust streams by converting them to carbon dioxide, water and heat. To maximize the heat exchange, switching valves alternate the airflow path between canisters to continuously regenerate the heat stored within the ceramic media, providing thermal energy efficiencies up to 97%.

The basic design concept of thermal oxidation is to promote a chemical reaction of the air pollutant with oxygen at elevated temperatures. The rate of reaction is controlled by three interdependent factors: time, temperature and turbulence. Oxidation is achieved as the pollutants pass through the ceramic media, are mixed and held at elevated temperatures ranging from 1,500F° (815°C) to 1,800°F (980°C) in the combustion chamber.

Backed by an experienced staff with many years of air pollution control experience in many different industries, The CMM Group provides turnkey design, fabrication, installation and project management services for thermal and catalytic oxidizers, rotary concentrators, energy recovery systems, dust collectors, permanent total enclosures, custom ovens and dryers, production machinery and ancillary systems. For further information, email: [info@thecmmgroup.com](mailto:info@thecmmgroup.com).

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