



Single Source Solutions For:

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

The CMM Group, LLC • 2071-C Lawrence Drive, P.O. Box 5903, De Pere, WI 54115-5903  
Phone 920-336-9800 • Fax 920-336-9797 • [www.thecmmgroup.com](http://www.thecmmgroup.com)

---

January 5, 2009  
For Immediate Release

## **Thermal Recuperative Oxidizers From The CMM Group Utilize Shell And Tube Type Heat Exchanger To Destroy Exhaust Stream Air Pollutants**

Recommended for airflow capacities from 2,500 to 150,000 scfm+, Thermal Recuperative Oxidizers (TOs) from The CMM Group can be custom designed to meet a wide range of air pollution control needs.

By utilizing a multi-pass, shell-and-tube, high efficiency heat exchanger fabricated of heavy duty stainless steel, CMM TOs can destroy 99%+ of the air pollutants emitted from process exhaust streams by converting them to carbon dioxide, water and heat.

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 combustion chamber, are mixed and held at elevated temperatures ranging from 1,400°F (760°C) to 1,500°F (815°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, heat 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).

#####