



Colt Technologies

CHEMICAL PROCESS INDUSTRY

case study

Colt Technologies is known for efficient and cost effective pollution abatement system designs, dedication to meeting the clients' project requirements, and strict adherence to worker safety standards.

A major manufacturer of adhesives for engineered forest products needed a VOC emission control system for one of their Northwestern U.S. plants as regulators had mandated that the **plant compliant** with local air regulations by January 10, or **shut down** the plant.

The date was November 1. Shutting down the plant was an unacceptable option the client could **NOT** afford.

Colt Technologies provided a MAXIM RTO system to control the batch chemical processes which emitted Formaldehyde and Chlorinated compounds. The nature of the chemicals required the Colt RTO system to be fabricated with corrosion resistant alloys.

In only 9 weeks from date of order, Colt Technologies installed the fully operational MAXIM ROTM Regenerative Thermal Oxidizer. The performance tests demonstrated that the unit met all the guarantees.

Colt Technologies exceeded the client's requirements by assembling the unit with only highest quality components. The MAXIM RTO will provide years of trouble free operation.

Colt provides comprehensive engineering and turnkey field services to support your project – Providing the Total Solution.

For assistance with your application, or for additional information, please contact the Dallas or Houston Office or visit the Air Quality Group website at www.colttechnologies.net.

Other Industries Served by Colt :

- **Container Manufacturing**
- **Forest Products**
- **Graphic Arts**
- **Flexible Packaging**
- **Automotive**
- **Aerospace**
- **Paint and Coatings**
- **Processed Foods**

Administration
972-385-7770

Manufacturing
903-732-3646



Colt Technologies
Incorporated
Air Quality Control Group

RELIABLE, HIGH PERFORMANCE SYSTEMS AND PROFESSIONAL FIELD SERVICES



MAXIM RTO™ Regenerative Thermal Oxidizer

Colt's MAXIM RTO™ Regenerative Thermal Oxidizer is a twin heat recovery chamber design, engineered in standard modules guage from 1,500 to over 100,000 scfm from industrial processes. With destruction efficiency up to 99% and heat recovery effectiveness of up to 95%, the MAXIM RTO is reliable High Performance Control.



Field Installation and Project Services

Colt offers complete turnkey services for any project scope. The turnkey services are not limited to Colt manufactured equipment, and typically include every aspect of a project; from foundations, structural steel, and process and control buildings, to complete integrated system instrumentation and control.



MAXIM RT™ Recuperative Thermal Oxidizer

Colt's MAXIM RT™ Thermal Oxidizer is a modular design available in pre-engineered sizes ranging from 100 scfm to over 30,000 scfm. A variety of arrangements are available to suit your process requirements. The factory assembled and tested units are trial run prior to shipping to minimize field installation time.



Capture Hoods and Process Ductwork

Colt's experienced engineers can provide 100% Capture Hoods, Permanent Total Enclosures, and complete process exhaust duct design for any industrial process. Every system is custom engineered to meet your exact plant requirements.



Transport™ Mobile Thermal Oxidizer

Colt's Transport™ Mobile Oxidizer is a modular design available in pre-engineered sizes ranging from 100 scfm to over 3000 scfm. A variety of options are available to suit your process requirements. The factory assembled and tested units are shipped ready to run.



Contract Maintenance and Rebuild Services

Colt's TOPPS™ Total Operating Performance Protection Services, is a contract maintenance service for any type of plant equipment. The scope of services and schedule is set to meet plant requirements. Experienced personnel provide all levels of support.



MAXIM AG™ Acid Gas Scrubbers

Colt's MAXIM AG™ Scrubbers are custom vertical spray towers and packed bed scrubbers designed for process exhaust volumes to over 100,000 acfm. A variety of arrangements and options are available to suit your specific process requirements. The factory assembled units are available in FRP, Stainless Steel, and other alloy constructions.



Spare Parts Support

Colt can provide spare parts on an emergency basis along with service solutions. Colt can provide quick turn-around on virtually any equipment, control, or instrumentation project.

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