

# 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.

An Arkansas based chemical recycle and fuel blending company contracted with Colt Technologies to provide a **100% emission capture** and VOC/HCL abatement system for more than 30 various processes in their Dallas, Texas facility. The chemical compounds were primarily chlorinated, which required that the MAXIM RTO emissions be scrubbed of Hydrogen Chloride gases before emitting them to atmosphere. Hydrogen Chloride (HCL) is an unavoidable by-product of combustion of the various chlorine compounds in the MAXIM RTO.

The corrosive nature of HCL required the MAXIM RTO to be fabricated with advanced corrosion resistant materials.

Colt Technologies designed and installed the entire system, from process capture hoods and enclosures to exhaust ductwork, isolation dampers, system safety interlocks which included LEL Monitors. Colt also developed a Network Interface for remote control and monitoring of the MAXIM RTO and HCL Scrubber system.

Colt Technologies' extensive experience in chloride oxidation applications has contributed to their success with other corrosive applications.

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](http://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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