



Retox RTO VOC Abatement Portfolio





Reliable, Simple Dual Chamber RTO Oxidizers RETOX RTO Modules from 1,000 to 80,000 CFM

CECO ADWEST—YOUR RTO VOC ABATEMENT SPECIALISTS

Each RETOX RTO system that we provide is custom engineered for each client's specific VOC control application with no two ever alike. Please contact our team of RTO specialists who welcome the opportunity to provide you with the most cost effective air pollution solution for your VOC abatement project. We look forward to working with you on your next RTO project.



Chemical Processing



Wood Cabinet Spray Coating

CECO Adwest was founded to provide industry with affordable, energy efficient and reliable regenerative thermal oxidizers for control of Volatile Organic Compounds (VOCs). Every RETOX dual chamber RTO Oxidizer includes our low pressure drop 95-97% thermal efficiency engineered ceramic media with flameless NGI and NO_x free operation. Additional major CECO Adwest advantages to consider in your RTO evaluation include:

- NO_x free operation with flameless natural gas injection (NGI)
- Lower RETOX RTO gas usage with 95-97% primary heat recovery and NGI
- NGI can SAVE 30-55% on the volume of gas consumed compared to burner fired RTOs
- Rapid natural gas burner cold and warm startups
- Low pressure drop/low cost RTO heat transfer media
- Simple, zero leakage poppet valve flow control provides 99% VOC DRE
- 5-year extended poppet valve flow control warranty
- Low RETOX RTO maintenance - no complex rotary valves to adjust and replace
- Shop assembled RETOX RTO modules provide rapid installation schedules
- Low profile, skid mounted RTO modules - Easy maintenance from grade level
- 24/7 responsive service support with FREE lifetime telemetry service diagnostics
- In-house RTO and custom control panel UL/CUL certified CECO Adwest shops
- Market proven RETOX RTO experience - Over 1,200 RTO oxidizers and VOC concentrators



95% RETOX RTO Oxidizer Heat Recovery Flameless NGI = Lowest RTO Energy Cost

RETOX RTO OPTIONS

- 97% Primary Heat Recovery
- 30% LEL High Solvent Hot Gas Bypass
- RTO Installation Packages
- Process to RTO Duct Systems
- Process Stack Tee Damper Modules
- Custom UL/CUL Approved Control Panels
- Extended Preventive Maintenance Contracts
- Lease-to-Own Financing
- Halogenated RTO Designs
- Scrubbers for Post-RTO Acid Gas Removal
- Purge Capture Chamber for Opacity
- Secondary Energy Recovery-Chillers, Hot Oil and Air



Foundry & Automotive



Ethanol & Biofumes Processing



Mega Shredder Recycling with Acid Gas Scrubber



Spray Coating



Food Processing

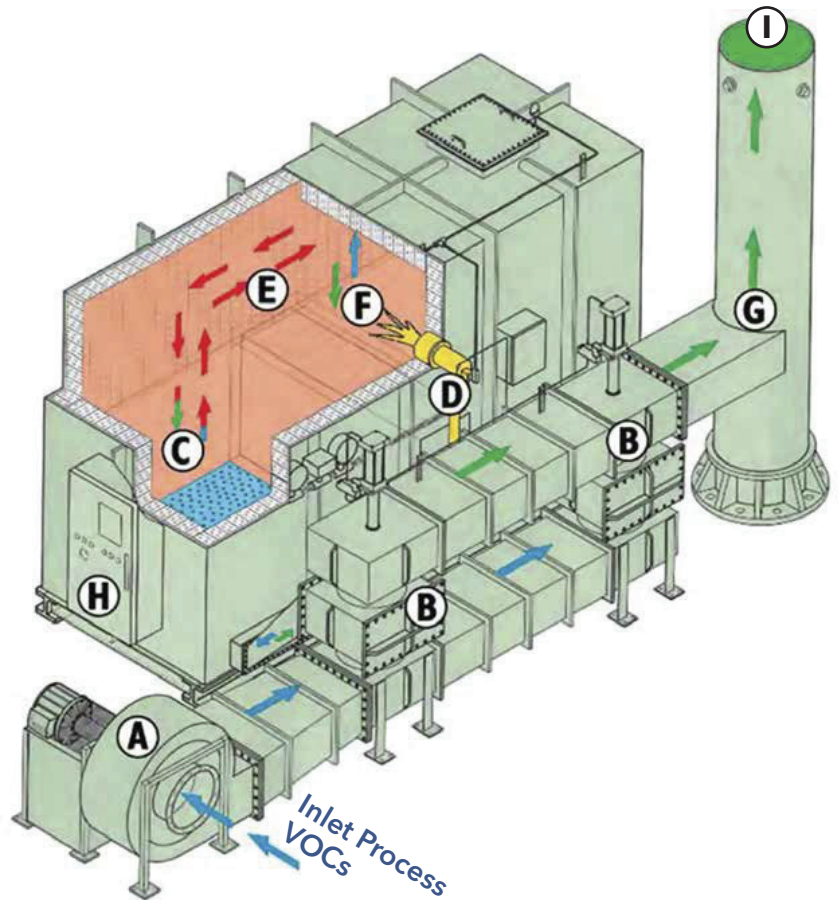


Low Profile, Skid-Mounted RETOX RTO Systems

Shop Assembled RETOX Thermal Oxidizer Modules

MAJOR RETOX RTO COMPONENTS

- A** VOCs enter Forced Draft Fan inlet to RTO
- B** Pneumatic Poppet Flow Control Valves
- C** Low Pressure Drop Ceramic Heat Exchange Bed #1
- D** IRI/FM/CGA/CSA/TSSA Designed Piping and NGI Train (Burner used for Cold and Warm Startups Only)
- E** Combustion Chamber (1,500-2,000°F) with High Density Shop Installed Internal Insulation
- F** Ceramic Heat Exchange Bed #2
- G** Exhaust Stack with EPA Test Parts
- H** PLC Controls with Remote Telemetry Service Diagnostics
- I** Purified Exhaust ($\text{CO}_2 + \text{H}_2\text{O}$ Vapor) to Atmosphere





COST EFFECTIVE RETOX RTO VOC CONTROL



Surface
Coating



Chemicals &
Halogens



Web Offset
Printing



Packaging
Flexo
Printing



Printing &
Coating



Styrene
Packaging

Over 1,200 CECO Adwest RTO Systems Installed Since 1988



Proven RETOX RTO Oxidizers for 99%+ VOC Control



Web Offset Printing with Chiller

RETOX RTO APPLICATIONS

- Paint Spray Booths and Finishing
- Paint and Varnish Manufacturing
- Surface Coating and Wood Finishing
- Metal Litho, Foil and Coil Coating
- Concentrators and Spray Dryers
- Web Converting and Laminating
- Flexible Packaging/Flexo Printing
- Dryers, Ovens and Roasters
- Web, Offset, Gravure and Inkjet Printing
- Chemical and Pharmaceutical Processes
- Ethanol, Biofuels and Food Processing
- Oil, Gas and Geothermal Processing
- Halogenated VOCs, CO Venting and Amines
- Air Strippers and Soil Remediation
- Microelectronics and Semiconductor
- Solvent Recycling and MegaShedders
- Composites, Gelcoat and EPS Styrene

Contact us today for a custom
RETOX RTO proposal



RV Paint Finishing



Automotive Parts Finishing

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