

# Adwest-SATTi

A CECO Environmental Brand



• RETOX RTO VOC ABATEMENT PORTFOLIO •

ANAHEIM, CALIFORNIA • 714-632-9801 • [WWW.ADWESTUSA.COM](http://WWW.ADWESTUSA.COM)

# RELIABLE, SIMPLE DUAL CHAMBER RTO OXIDIZERS

## ADWEST TECHNOLOGIES, INC. - YOUR RTO VOC ABATEMENT SPECIALISTS!

Adwest Technologies, Inc. was founded in 1988 by Jack Preston 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 NOx-free operation. Additional major Adwest advantages to consider in your RTO evaluation include:

- Virtual NOx Free Operation with Flameless Natural Gas Injection (NGI)
- Lower RETOX RTO Gas Usage with 95-97% Primary Heat Recovery and NGI
- NGI Can **Save** 40-55% 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 & 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 & Custom Control Panel UL/CUL Certified Adwest Shops
- Market Proven RETOX RTO Experience - Over 1,200 RTO Oxidizers & VOC Concentrators



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.

Adwest Technologies, Inc.  
[www.adwestusa.com](http://www.adwestusa.com)



**CHEMICAL PROCESSING**



**WOOD CABINET SPRAY COATING**

**RETOX RTO MODULES FROM 1,000 TO 80,000 CFM**



# 95% RETOX RTO OXIDIZER HEAT RECOVERY

## SPRAY COATING



## OIL & GAS PROCESSING



## COATING



## ETHANOL & BIOFUELS



## RETOX RTO OPTIONS

- AC Drives with Inlet Pressure Controls
- 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 Preventative Maintenance Contracts
- Lease-to-Own Financing
- Halogenated RTO Designs with Specific Metallurgy
- Scrubbers for Post RTO Acid Gas Removal
- Bake-Out Feature
- Purge Capture Chamber
- Secondary Energy Recovery-Chillers, Hot Oil, Air & Water

## FOOD PROCESSING



## COMPOSITES & STYRENE

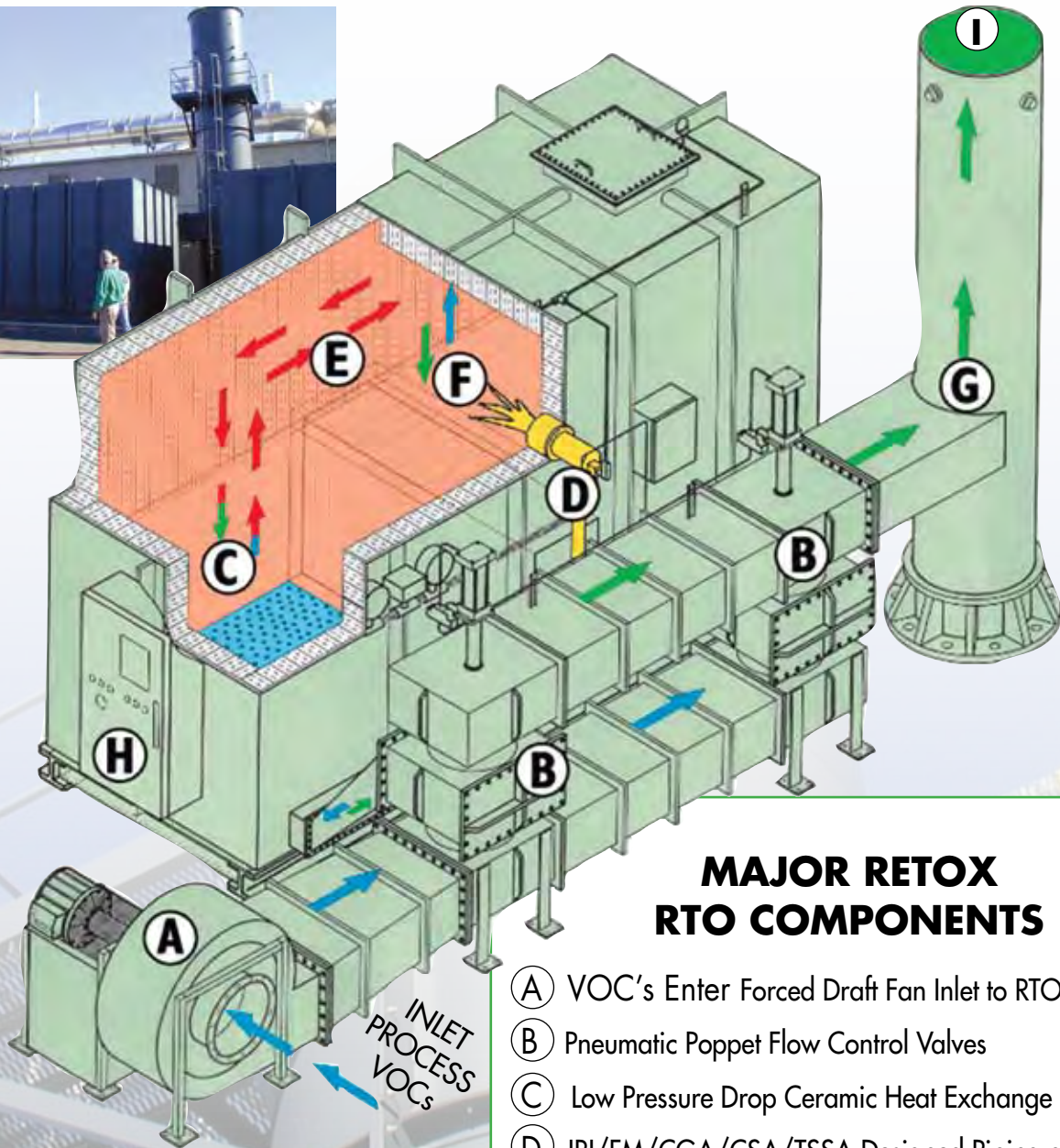


## CONCENTRATOR VOC'S



**FLAMELESS NGI = LOWEST RTO ENERGY COST**

# LOW PROFILE, SKID-MOUNTED RETOX RTO SYSTEMS



## MAJOR RETOX RTO COMPONENTS

- (A) VOC's 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 & 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 Ports
- (H) PLC Controls with Remote Telemetry Service Diagnostics
- (I) Purified Exhaust ( $\text{CO}_2 + \text{H}_2\text{O}$  Vapor) to Atmosphere



# SHOP ASSEMBLED RETOX THERMAL OXIDIZER MODULES



# COST EFFECTIVE RETOX RTO VOC CONTROL

**SURFACE COATING**



**CHEMICALS & HALOGENS**



**PRINTING & COATING**



**PACKAGING/FLEXO PRINTING**



**WEB OFFSET PRINTING**



**STYRENE/PACKAGING**



**OVER 700 ADWEST RTO SYSTEMS INSTALLED SINCE 1988**

## RETOX RTO APPLICATIONS

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

WEB OFFSET PRINTING WITH CHILLER



RV PAINT FINISHING



AUTOMOTIVE PARTS FINISHING



► **Contact us today  
for a Custom  
RETOX RTO Proposal!**

### CORPORATE OFFICE

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