



## Corporate Description and Applications Summary:

EC&C designs and manufactures a complete line of fluidized bed VOC concentrators. Our modular design allows for independent adsorber and desorber sizing tailored to each application. Concentration ratios up to 5,000 to 1 are available for maximum energy efficiency and absolute minimum carbon footprint. Our proprietary BAC (Bead Activated Carbon) media is a custom engineered product with unique physical properties utilizing nano-scale pore geometry for capture of organic gasses in process exhaust streams at the molecular level. VOC (solvent) recovery as well as energy efficient thermal treatment of the concentrated stream from desorber are available. We have 62 installations in the US and 5 foreign countries utilizing 5 fabrication vendors. 45 of 62 units are Recovery. We are pleased to contribute to projects with larger companies who design and install complete environmental and process control systems. The perfect solution to achieving energy efficiency, environmental compliance, reducing carbon footprint, possibly earning carbon credits all at the same time, with one system.

Application	Chemistry
Adhesive Tape Mfg	Toluene
Agricultural Products	Organic Acid & Ammonia Odor
Aluminum Casting	Phenol, Formaldehyde, Ammonia
Animal Lab	Odor Control
Automic Power Plant	Styrene
Auto Parts Degreasing	Trichloroethylene
Bakery	Odor Control
Brewery	Odor Control
Car Wash	Kerosene
Cellophane Coating	Toluene, Ethyl Acetate, Butyl Acetate
Ceramic Condenser	Terpineol
Confectionery	Odor control
Chemical Production	Toluene, Higher M.W. Alcohols, Carbon Tetrachloride
Dye Production	Perchloroethylene
Electronics Mfg Plant	DMF, MEK, etc.
Electronics Parts Cleaning	Trichloroethylene, Toluene, 1,1,1-Trichloroethane
Fabric Washing	Perchloroethylene
Feed Processing	Odor Control
Film Coating	MEK, Methyl Cellosolve, Toluene, Tetrahydrofuran
Film Laminating	Toluene, Ethyl Acetate, n-Hexane
Gravure Printing	Toluene, Xylene, n-Propanol, n-Propyl Acetate, mixed
Iron Casting	Phenol, Formaldehyde, Ammonia
Lacquering of Film	Toluene, Ethyl Acetate, MEK
Landfill	Odor Control
LSI Mfg Plant	Phenol, Acetone, Methanol, Mixed Solvents
Lubrication Mfg	Mixed Solvent Odor Control Magnetic Tape, Chlorinated Hydrocarbon
Medicine Mfg Plant	Butanol, Methylene Chloride
Paint Booth	Thinner
Printing Ink Mfg	Mixed Solvents
PVC Resin Mfg Plant	Vinyl Chloride
Resin Mfg	N-Hexane, Methylene Chloride
Rubber Coating	Toluene
Rubber Vulcanizing	Odor Control
Sand Paper Mfg	Toluene, Xylene, Ethyl Acetate
Semiconductor Mfg	IPA, HMDS, NMP, Ethanol, Methanol, Ethyl lactate
Silk Screen Printing	Xylene, Mixed Solvents
Teflon Tubing Mfg	Perchloroethylene
Waste Water Aeration	Odor Control