



A Silicone Tape Converter recently replaced a poorly designed thermal oxidizer with a custom engineered thermal oxidizer designed by Catalytic Products International, Inc. The process coated film with a silicone based adhesive. The silicone vaporizes with other VOC's in the drying process and is ducted to the thermal oxidizer. The combustion process converts the silicone vapors to a powder – like Silicon DiOxide. In a traditionally designed thermal oxidizer, the SiO₂ clings to metal surfaces and causes lost efficiency with excessive maintenance.

Catalytic Products International, Inc. installed the QUADRANT SR-Silicone Series Thermal Oxidizer with Secondary Heat Recovery. This system is able to operate three times longer between SiO₂ cleaning, the system automatically signals when cleaning is required, the heat recovery saves over twenty dollars per hour in operating expense, and the system provides +99% VOC destruction efficiency at only 1,300° F.

Please contact us for more information about our expertise in cost effective abatement of VOC, CO, and NO_x

Thermal Oxidizers, Regenerative Thermal Oxidizers, Catalytic Oxidizers, Heat Recovery Systems, Energy Conservation, Repair and Retrofit Services, Maintenance Services, Engineering

