



Permanent Total Enclosures

Permanent Total Enclosures (PTE) are enclosures that are engineered for specific applications. These enclosures can be used to reduce the overall exhaust to an air pollution control device, improve air quality for machine operators, and meet operating permit requirements. The basic goal of a PTE is to prevent fugitive VOC emissions from being emitted to the atmosphere. When properly designed and installed, a PTE can reduce total exhaust airflow while increasing VOC concentration to an air pollution control device. The benefit from a PTE is two-fold, lower airflows result in less costly air pollution control devices and higher VOC concentrations result in lower energy consumption.

The CMM Group has designed and installed PTEs in various applications. The first step is to evaluate the process and determine the needs of our customers. The CMM Group will compare this information against the design requirements of a PTE. Now we can begin the process of engineering the PTE as a whole system including, exhaust airflow requirements from the PTE, materials of construction, and maintenance access.

Once the PTE is fully designed and approved, The CMM Group begins manufacturing. When possible, The CMM Group strives to create modular PTE assemblies to reduce process downtime. Often there are areas of a PTE that will need to be field fitted, and our team is prepared in advance to keep installation times to a minimum. Upon completion of the PTE, the performance of the system is verified by CMM personnel.

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Visit www.thecmmgroup.com to read about our solutions for VOC control, custom process equipment, and aftermarket services

**Oxidizers/
Air Pollution Control Systems**

Custom Process Equipment:

- ◆ Ovens & Dryers
- ◆ Cheese Melters
- ◆ Coaters & Web Handling
- ◆ Energy Management Systems
- ◆ Ancillary Systems

Aftermarket:

- ◆ Rebuilds/Upgrades
- ◆ Preventive Maintenance
- ◆ Spare & Replacement Parts

Services:

- ◆ Consulting Services
- ◆ Site Engineering
- ◆ Product Engineering
- ◆ Inspection Services
- ◆ Turnkey Installation

