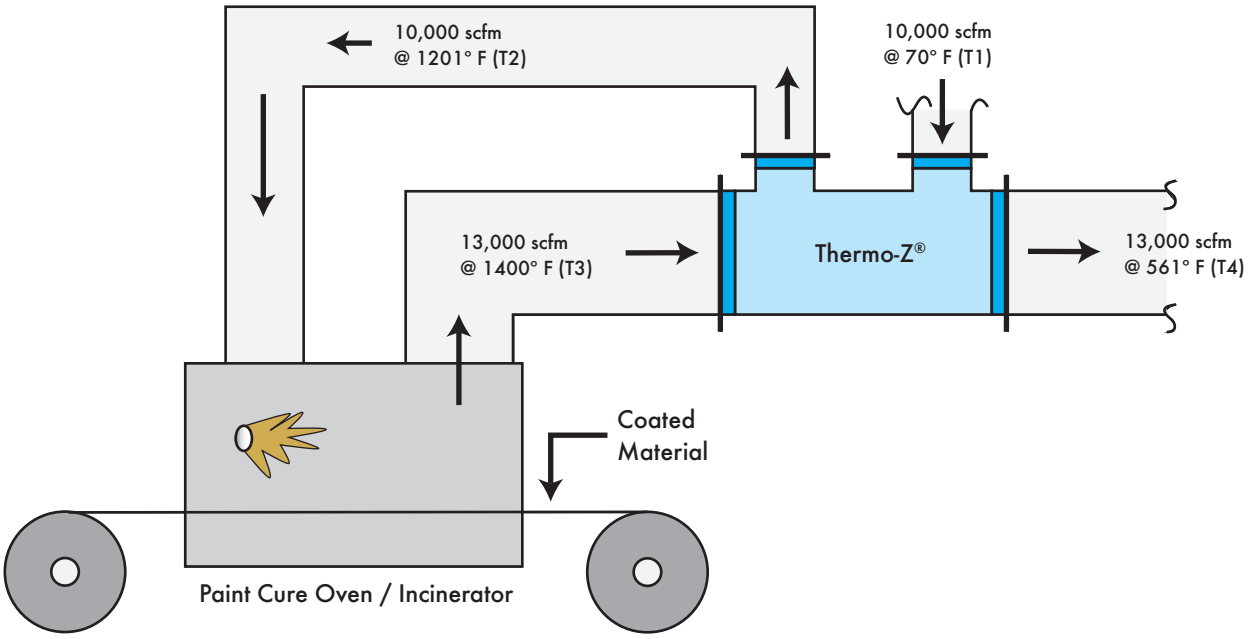
CASE STUDY

Munters

Increased control for a paint curing oven

Gasmac Incorporated, USA



Gasmac Incorporated of Ontario, Canada manufactures painting systems used in industrial plants, and the company features Munters air-to-air heat exchangers on its lines.

Fuel consumption reduced by 85%

In a recent application, Gasmac constructed and installed a new paint line for a steel processing plant in Slovakia to coat one side of steel sheeting with a decorative finish. The coating requires curing in an oven, and since the process uses solvent-based paint, the plant needed to incinerate fumes emanating during curing.

Gasmac devised a system that uses a natural-gas-fed burner to heat the oven and incinerate the off-gas fumes. A Munters Thermo-Z® heat exchanger captures exhaust heat at 1400°F to preheat ambient air to 1201°F at the inlet for combustion.

Using this arrangement allowed Gasmac to specify a smaller burner than would otherwise have been required, reducing fuel consumption by 85%. The system also provides more control of the oven temperature and, most importantly, saves fuel for the steel company.

Case study

Gasmac Incorporated gains increased control for a paint curing oven.

Advantages:

- Energy cost savings
- More accurate oven temperature control
- Lower capital cost for required burner

Would you like to find out if Munters has a solution for your company too? If so, please visit our website, www.munters.com

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