

THERMEQ

TUNE-UPS AND INSPECTIONS



Right - Two frames inside of a tunnel furnace that are misaligned.

After further inspection, THERMEQ discovered that the frame support post had failed. Regular internal and external inspections can anticipate problems before they cause equipment damage.



Right - An exhaust blower which has been overheated due to a radiant tube burner being out of calibration.

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TUNE-UPS AND INSPECTIONS

Feature / Benefits

Tune-ups:

- **Radiant Tube Fired Burners** - Set air and gas ratio for safety and efficiency using a combustion analyzer.
- **Direct Fired Burners** - Set air and gas ratio for safety and efficiency using metering taps and measuring equipment.
- **Electrically Heater** - Check for damaged or broken heating elements. Check controls for proper calibration.

Inspections:

- **External** - Inspect casings and structural members for fatigue and deterioration.
- **Internal** - Inspect plenums, liners, supports, and structural members for fatigue and deterioration.
- **Fans and Blowers** - Inspect fans for excessive vibration, belt tension and wear, and bearing noise.
- **Drive & Roll** - Check drive for proper operation. Check rolls and bearings for movement, wear, and fatigue.
- **Combustion System** - Inspect linkages, regulators, pressure switches, valves, ignition system, dampers, flame safety system, and safety valves for proper operation.

Other Analysis:

- **Wind and Air Flow** - Computer assisted analysis on plenum air flow and velocity data.
- **Belt Tracking** - Track and log belt data. Make adjustment suggestions based on data taken.
- **Heating and Cooling Capacity** - Analyze the heating and cooling capacity of equipment. Make suggestions for improving capacity.
- **Drive and Conveyor Capacity** - Inspect, size, and calculate maximum capacity of conveyor rolls, drive systems, and conveyor supports.
- **Structural Capacity** - Inspect, size, and calculate maximum capacity of structural components.
- **Pollutant Analysis** - Computer assisted pollutant analysis used for reporting emissions to the EPA.

Vibration Analysis - Analyze vibration and balancing of equipment. This service can be provided in our shop or on site.



THERMEQ GROUP is an engineering and fabrication organization that serves industry by offering our customers technology, equipment, and service. **THERMEQ GROUP** has a capable staff of engineers and craftsmen that have both technical knowledge and practical field experience. **THERMEQ GROUP** provides our customers with high quality equipment, fast delivery, and trained technicians.



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