

FURNACE MONITORING SYSTEM

CCTV Series

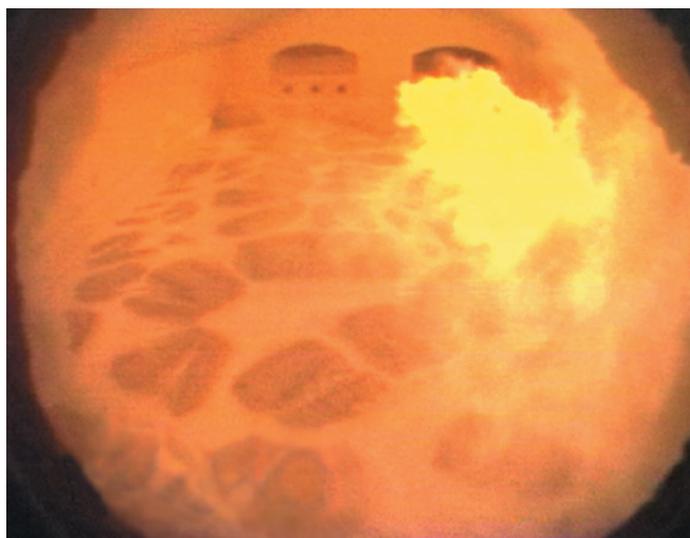
VERSION 1.00

Advanced high temperature remote furnace monitoring system.

The CCTV Furnace Monitoring System, using time-lapse video recording, is an excellent tool to increase furnace productivity and product quality. It can be used in any high temperature application including: power, steel, glass, cement, paper and boilers.

The system allows analysis of furnace operation and if necessary, correction of problems or deviations such as erratic flame patterns, process flaws and furnace performance. Burner flame characteristics can be viewed over time, so flame length, shape and angle can be adjusted for optimal operation.

More than 75 percent of the furnace interior can be monitored from a single location. The use of a high resolution CCD camera, superior optics and a highly efficient cooling system provides a reliable, sharp, clear image of internal furnace operation. The CCD camera signal can be used in conjunction with image processing equipment for automatic furnace control.



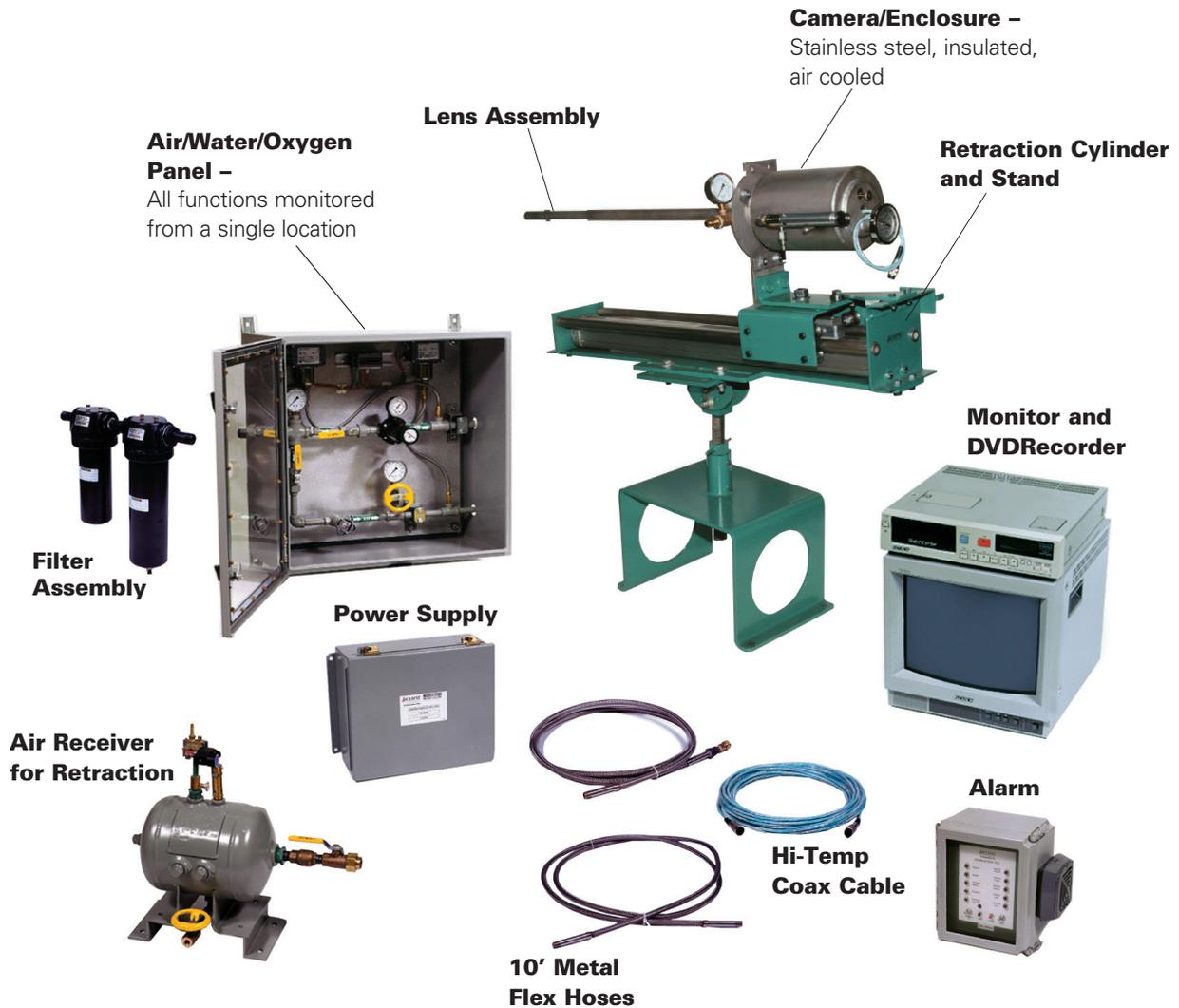
Internal view of regenerative glass furnace.
(Photo was made from a still frame of a CCTV video)

Features

- Standard and custom-engineered systems.
- Heat-resistant camera package with air, water and oxygen cooling options.
- Selectable lens angle and field of view pattern option.
- Includes DVD video recorder and color monitor.
- Retraction system protects CCTV equipment from damage from power or cooling system failure.
- Fail-safe operating features.

Furnace Monitoring System

Performance-Engineered...Performance-Certified



System Options

- Air Cooled
- Air Cooled with Ceramic Sleeve
- Air and Water Cooled
- Oxygen and Water Cooled
- Oxygen Cooled

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