

POWER BOILER CAMERA (PBC)

Cost Effective Internal Combustion Inspection System

Industry Leader

Clyde Industries is the leading provider of boiler solutions. As part of our suite of products, the Power Boiler Camera (PBC) delivers superior infrared imaging that you've come to expect of the Clyde Industries.

Unsurpassed Design

Optimal clarity is assured with proprietary spectrally tuned optics. Air flow through the lens tube has been optimized for flow capacity, efficient cooling and isolation of the lens tip from particulate matter that could be blown back from the boiler.

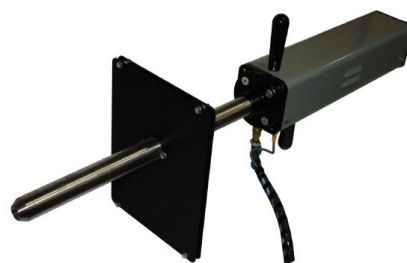
Highly Functional

The PBC camera system can be configured as a fixed observation solution or a portable inspection system. Optional automatic camera retract safeguards the camera system with integrated PLC which automatically retracts the camera if low air pressure or high heat is detected.

PBC Applications

The camera can be configured as a fixed camera for continuous monitoring or as a portable camera for inspection.

- Monitoring slagging and cleaning on furnace wall of pulverized coal boiler
- Upper furnace monitoring system
- View boiler slope for a pulverized coal boiler
- Monitor fuel distribution on the grate of a stoker fired boiler
- Monitor eyebrows on burner openings
- Monitor sootblower performance



Portable Camera

POWER BOILER CAMERA

Lens Tube

- Air cooled
- Sealed optics for longer run time between cleaning
- Adjustable iris & focus
- Air flow optimized to reduce air consumption
- Custom lengths available
- Available field of view: 30°, 60°, 90°, 120°

PBC Support System (Optional)

- Optional automatic retract
- Manual retract
- Compatible with existing retracts or support systems

Viewer Software

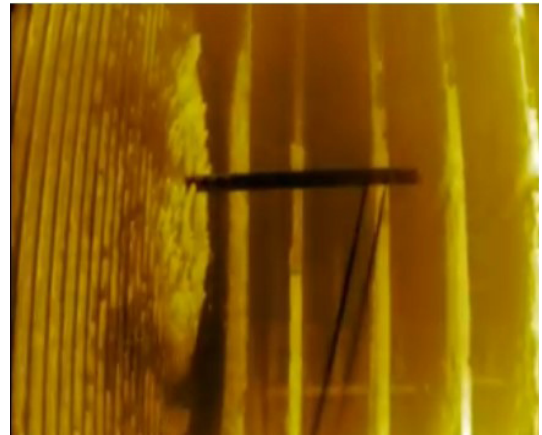
- Included with purchase of camera system
- Color images included at no extra cost
- Remote adjustment of image quality and contrast

Optional SV Software Features

- Color images included
- Temperature recording, trending & alarms
- Trending export to MS Excel
- Image recording
- Remote adjustment of image quality and contrast
- Output to DCS for recording images
- Remote access to recorded images through PCI network adapter

Benefits

- 100% digital video processing provides superior image quality
- Easy DCS integration with OPC server
- Image quality not subject to degradation
- Ability to record images, temperature trending and alarms
- Compatible with existing camera retract systems



Power Boiler Furnace Image



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COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =