

RECOVERY BOILER CAMERA (RBC)

Cost Effective Internal Combustion Inspection System

Industry Leader

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

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

A vital piece of every RBC installation is the automatic retract and port cleaner. With over one hundred retract and port cleaner installations, it has evolved into a robust, intelligent component that safeguards the camera from damage and premature wear. If conditions threaten the integrity of the camera, the camera and lens tube are retracted from the boiler and electronic notification is sent to the built-in PLC interface.

RBC Applications

The camera can be configured as a fixed camera for continuous monitoring or as a portable camera for inspection. Other applications include:

- Continuous monitoring of the smelt bed
- Inspection of the upper furnace for fouling and sootblower performance
- Inspection of black liquor sprays
- Monitoring of deposits on boiler roof
- Lime kiln
- Determine the temperature of deposits on boiler tubes



Portable Camera

RECOVERY BOILER CAMERA

Lens Tube

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

RBC Support System (Optional)

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

Viewer Software

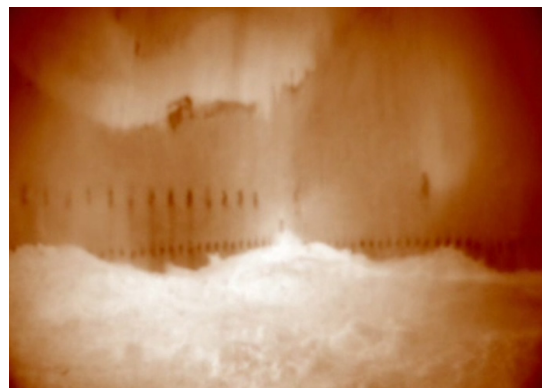
- Included with purchase of camera system
- Color images included at no extra cost
- Remote adjustment of image quality and contrast

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 remotely adjust image quality & contrast
- Ability to record images, temperature trending and alarms
- Remote access to recorded images through PCI Network Adapter
- Compatible with existing camera retract systems



Smelt Bed Image



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