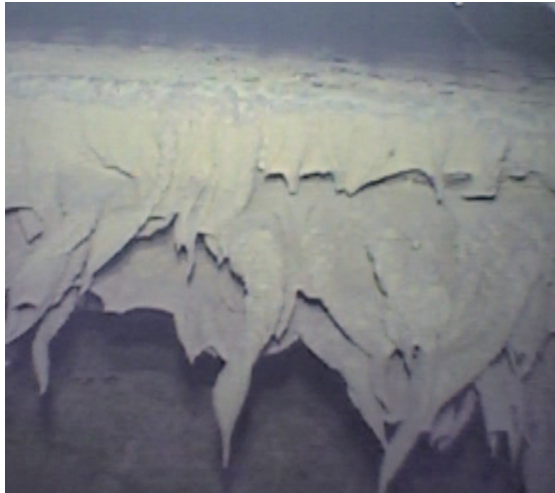


Online Furnace Inspection

Now With LEDs Enabling Inspection of Dark Boiler Sections!

The demand for a tool that can visualize dark boiler sections is rapidly growing. Our newly developed and improved water cooled camera can now inspect previously non visible boiler volumes. The water cooled camera has been equipped with two powerful LED lights and enables us to inspect totally dark volumes of boilers such as convection passes, flue gas canals, super heaters and economisers.



Two powerful LED lights seen in the water cooled camera. Only a 50mm large opening is needed for access.

Substantial build up of deposits on an Economiser installed in a Waste To Energy plant

Typical Applications for Furnace Inspections

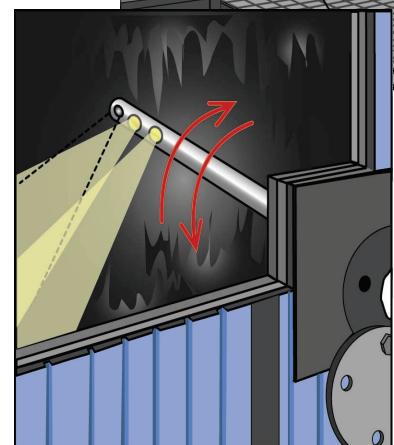
Inspection of **both** the furnace and normally non visible dark boilers sections

Inspection of combustion conditions in the furnace, i.e. flow patterns, laminar flows and turbulence, recirculation zones or “dead” areas

Visualization of secondary air or OFA jets penetration and influence on the combustion process

Fuel distribution on the grate, particularly the upper sections and the main combustion zone

Prior to a planned shut-down, during operation check refractory material, wall and super heater tubes, eventual damages from erosion or corrosion



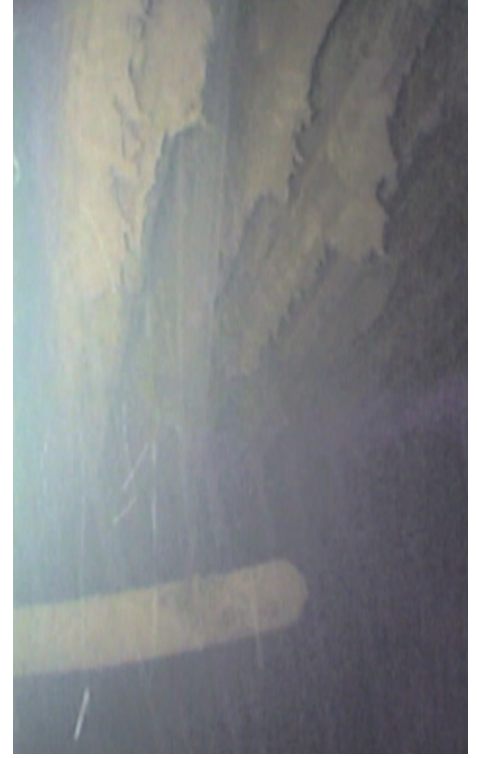
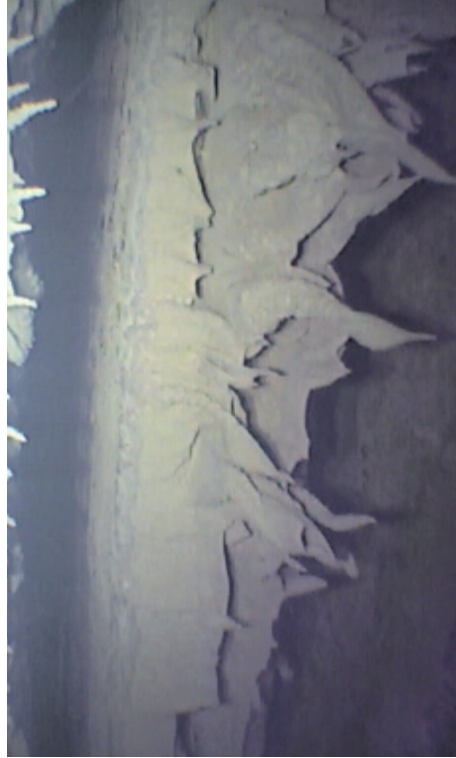
Filmed material is recorded directly to a computer and supplied on a DVD



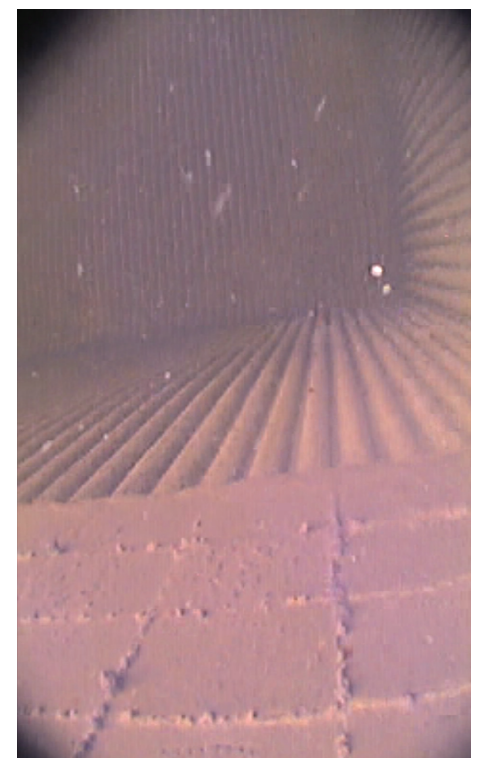
Homepage: www.ecomb.se
Email: info@ecomb.se
Tel: +46 8 550 12 550

Some Examples of Filmed Material

Filmed in dark convections volumes with the aid of LED-lights



Filmed in furnaces, no additional lighting needed



Visit our homepage to view more filmed material and to learn more about this application.

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