

Flow Scope Hi-T™

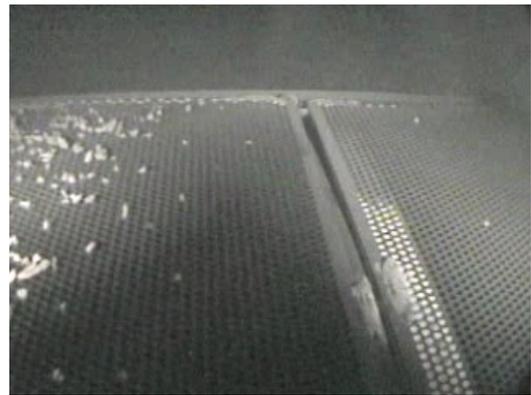
for online inspection in high temperature ducts

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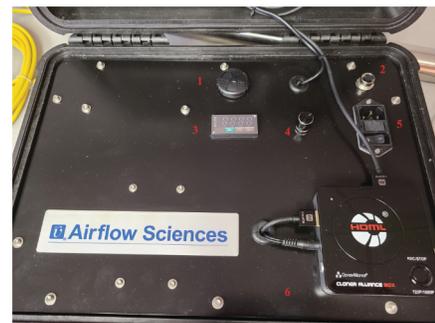
Airflow Sciences Corporation (ASC) has developed an inspection camera tailored to performing duct and stack internal inspections while the systems are operational. The Flow-Scope Hi-T features an HD video camera and uses a supplemental cooling air system to allow for video inspections in duct systems operating at up to 750°F, simplifying many troubleshooting or preventative maintenance tasks.

The Flow-Scope Hi-T is robust and requires only a 2" test port to provide real-time video inspection of duct internals. The integrated lighting system allows for a viewing range of up to 20 feet from the camera. The light brightness is fully adjustable, so the user can make modifications on the fly to avoid any washed-out images.

The camera probe uses an air cooling system to allow for testing in high-temperature ducts. Both the camera and the probe cooling system run on standard 120VAC, so no exotic connections are required; test any location that has a power outlet. The camera probe can be customized for each client, with a maximum probe length of 20 feet, for inspecting even the most remote duct location. The integrated display allows for real-time visualization of the duct internals, while each video is recorded to a USB drive for later analysis.



Large Particle Ash (LPA) collection screen for protection of downstream catalyst equipment



Operator panel (above)

Control panel and probe head (left)

Equipment Details

- Up to 750°F
- Probe customizable from 4' to 20'
- Up to 20' viewing range
- Requires 120 VAC power

Camera Details

- Size: 1.75" dia. probe body, user-specified length
- Weight: Probe weighs approx. 1.2lbs/ft

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The entire camera system is field serviceable. If any repairs are required, they can be performed in less than 15 minutes, minimizing system downtime.

Inspection Examples

- LPA Pluggage of Screens and Catalysts
- Hopper Sweepage
- Ash Accumulation Issues
- Effects of Soot-Blowing
- Find Plugged Injection Ports
- Cleaning Effectiveness
- Air Heater Seals
- Sorbent Injection Lances

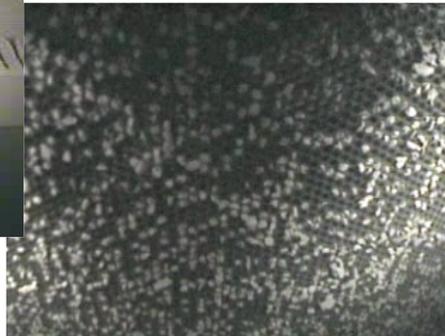
Water injection nozzles



Temperature quenching system in FGD inlet duct



Flyash build up on an I-beam above a catalyst



LPA pluggage of a catalyst



SCR structural steel inspection

What can we do for you?



Corporate Headquarters

12190 Hubbard Street
Livonia, MI 48150-1737
(734) 525-0300

For more information:

www.airflowsciences.com
asc@airflowsciences.com