



ABACO - Pirocom

Advanced and continuous flue gas characterization (O_2 , NO_x , CO , CO_2 , SO_2) in rotary kilns furnace exit.

Advantages of using ABACO - Pirocom:

- Optimized design avoiding obstructions of sampling probe, even for maximum dust concentrations on flue gases
- Determination of real kiln excess oxygen, with no influence on possible air in-leakage within the rotating seal
- Control of the main operation variables (flow rates, temperatures, etc.) towards highest availability and system protection
- Easy, low-cost and effortless replacement of spares
- Non-specialized maintenance requirements

Results:

- Operational excess O_2 minimization. Typical reductions: 1% - 3%
- Typical primary fuel furnace savings: 8% - 10%
- Typical NO_x reductions: 35% - 45%
- Process control for stable combustion conditions
- Ammonia reagent consumption reduction (SNCR): 20% - 30%