



Fykays ENGINEERING PRIVATE LTD.

ENGINEERING SOLUTIONS SINCE 1974

METALLURGY | SUGAR | POWER | CEMENT



WWW.FYKAYS.COM

ABOUT FYKAYS

47 years in the business of providing solutions to the Iron and Steel Industry, **FYKAYS ENGINEERING PVT LTD** is one of the fastest growing Companies in the Industry today. With 100% YOY Growth and bringing one new product to market every 2 years, we are well positioned to and committed to add value to Industry.

We apply our experience in our solution development and have achieved excellence in reducing fuel consumption and scale formation

Our solutions have added value to 1000s of Companies in India and abroad and we have an excellent understanding of the requirements of the Iron and Steel Industry.

Our focus is to reduce operating costs of industry through process optimization, accuracy in measurement and control of parameters that directly impact quality or process time.

OUR VISION

Fykays will be the foremost Indian provider of cutting-edge products and services to Indian Iron and Steel Industry, while

- ◆ Developing at least one new product every year.
- ◆ Being a talent magnet through employee centric policies & practices; Ensuring enhanced employee standard of living
- ◆ Being an equal opportunity employer with an inclusive workforce comprising people with special needs and of all genders & orientation.

OUR VALUES



INTEGRITY



COMPASSION



LEARNING



AMBITION



TEAMWORK

FYKAYS OFFERINGS TO MARKET

Fykays TOPS – Online combustion control solution for steel re-heating, heat treatment & forging companies.

Recognizing an industry need to control fuel consumption, formation of scale, reducing wastage of electricity, and improving productivity, Fykays has launched Combustion Control systems specially designed to meet the operating requirements of steel Re-heating furnaces.

- ◆ Reduce scale loss, fuel consumption, and energy consumption.
- ◆ Works with all kinds of fuel and furnaces.
- ◆ Proven solution: installed in various forms at over 100 locations across the country.
- ◆ SCADA / PLC based solutions.
- ◆ Includes meaningful reporting with production planning functionality
- ◆ Ability to control heat and air - zone wise and per grade and size of feed material.
- ◆ Lasts for years without issues, Requires minimal maintenance.

**PAYBACK PERIOD
LESS THAN 2 MONTHS**



Fykays OxyComp D

Fykays is the first Indian Company to have develop the Fykays OxyComp D for Instant sensing of dissolved Oxygen in molten steel.



- ◆ Within 10 seconds of dipping a sensor into the molten Steel, Fykays OxyComp D tells the Oxygen PPM and the temperature of the bath.
- ◆ High PPM for oxidization stage and Low PPM for refining stages.
- ◆ Fykays OxyComp D is a must have in the hands of steel makers to control use of de-oxidants and reduce process time without using the expensive LECO system.



Fykays OxyComp G-Online Oxygen-in-flue gas analyser

- ◆ Continuously monitors Oxygen left over after combustion.
- ◆ Error margin of $\pm 0.01\%$.
- ◆ Designed for Indian Conditions.
- ◆ Installed at over 100 locations across the country.
- ◆ Works for years with minimal maintenance.



**UNIQUE INSTALLATION SYSTEM
ALLOWS FOR ISOLATION OF THE
ZIRCONIA OXYGEN PROBE**

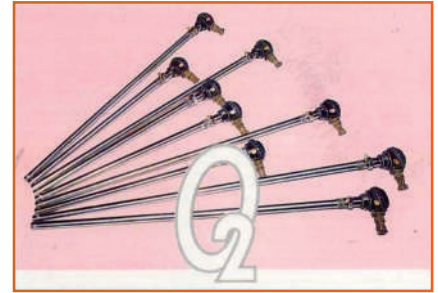
Fykays Automatic Programmable C-Pot controller

- ◆ Multiple segments Carburizing, Diffusion, Soaking etc.
- ◆ The multi segment programmable controller provides for Nitrogen sealing of the job during soaking.
- ◆ Achieve high product homogeneity, reduction of enrichment fluid, and reduced energy consumption, avoid any re-work.
- ◆ Extremely easy to install and operate.
- ◆ Virtually maintenance free.
- ◆ Four 1" remote displays showing RTC, C-POT value and
- ◆ temperature and operational status.
- ◆ Online data logging.



Fykays Brand InSitu Oxygen Probes

Made to meet the highest standards and with a close to zero error margin, Fykays Zirconia Oxygen Probes can be used to accurately measure the percentage of Oxygen in gas for further control. These can be used in Oxidizing as well as reducing atmospheres.



Fykays Brand Process Control Thermocouples

Process control thermocouples (Types J, K, S, R, & B) and high-quality compensating cables (including mineral insulated variety), precision temperature indicators and controllers (including programmable variety).



READ WHAT SOME OF OUR CUSTOMERS SAY ABOUT THE VALUE WE HAVE BROUGHT TO THEM

"We would unhesitatingly recommend Fykays Combustion control systems to other steel rolling mill owners"

STRUCTURALS ROLLING MILL.

"....We are happy that reduction in fuel consumption far exceeded your commitment!...Scale formation has been reduced to 0.5% from 0.8%"

OIL FIRED STEEL REHEATING FURNACE MAKING TMT

"Fykays OxyComp D is an excellent tool in the hands of steel makers who want to control their quality and reduce process time. We commend the Fykays team for being the first Indian Company to develop such a system – that gives consistency in measurement of O₂ PPM in molten steel"

Manufacturer of LCAK Slabs

CONTACT US

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