

Process Automation and Environment Monitoring Instrumentation you can trust, for **Cement Industry**



Customised Application Solutions, with Proven Track Record

Analytical Solutions

- **Continuous Emission Monitoring Systems (CEMS)** for Stack Gases, to measure SO_x, NO_x, CO, CO₂, Hg etc.
- **Dust / Opacity monitors** for stack exhaust gases, ESP performance etc.
- **Ambient Air Quality Monitoring Systems (AAQMS)** for SO₂, H₂S, NO_x, NH₃, CO, CO₂, PM10, PM2.5 Sampling and SCADA for Pollution Monitoring & Reporting
- **Thermic Fluid Cooled** Auto retractable Kiln Gas Sampling System
- **Gas Analyzer Systems for Kiln, Pre-heater, Coal Mill, Coal bins, Calcliner gas outlets**
- Combustion Control - CO **Analyzers** at Economizer inlet
- Combustion Control - O₂ **Analyzers** for Air Heater Inlet & Outlet
- SO₂ & O₂ **Analyzers** for Flue Gas Desulphurization
- NO_x & O₂ **Analyzers** for De-NOX Systems
- **Flame & Gas Detection Systems** for Toxic, Flammable, Hazardous Gasses, Point IR Gas Detectors, Catalytic, Electro-chemical & Flame Detectors etc.

Metering and Measurement Solutions

- **Displacer Level** Transmitters & Mechanical Level Gauges for Boiler Drum Level Control in Power Plant
- Nucleonic **Density** Transmitters for Coal Ash Slurry
- **Gas Conditioning Skids** for Natural Gas Application
- Electro-Magnetic & Ultrasonic **Flow Meters** for utilities like Raw Water & DM Water in CPP
- **Ultrasonic Gas Flow Measurement** for Flue Gas Emission
- Coriolis **Flow Meters** for Fuel Oil Flow Measurement
- Admittance, Nucleonic, Diaphragm, Paddle **Level Switches** for Powder & Bulk Solids in ESP, Silos, Fluxo Pumps, Airlifts, Lime & Coal Bunkers
- **Temperature** RTD's, Thermocouples, T/W & Transmitters
- **Gas Regulators** for Air/ Natural Gas : Self acting Direct & Pilot Operated

Steam Engineering Solutions for the CPP

- **PRDS** (Pressure Reduction & Desuperheating)
- De-Superheaters / Attemperators for Steam
- **Turbine by-pass valves** HP/LP Valve for CPP Steam
- **Control Valves** for HP/ LP Steam and Water

Chemtrols Industries Pvt. Limited, Amar Hill, Saki Vihar Road, Powai, Mumbai - 400 072, **INDIA**

Board : +91 (22) 67 15 12 00 | Fax : +91 (22) 67 15 14 05 | E-mail : chemtrols@chemtrols.com | Web : www.chemtrols.com

REGD.OFFICE : 910, Tulsiani Chambers, 212, Nariman Point, Mumbai – 400 021, Tel. : 2283 0636, Fax : 00-91-22-2287 3573

REGIONAL OFFICES : MUMBAI | DELHI | KOLKATA | CHENNAI | VADODARA | SECUNDERABAD | BENGALURU | NAGPUR | VIZAG | GUWAHATI | JEBEL ALI