



Your Automation Partner

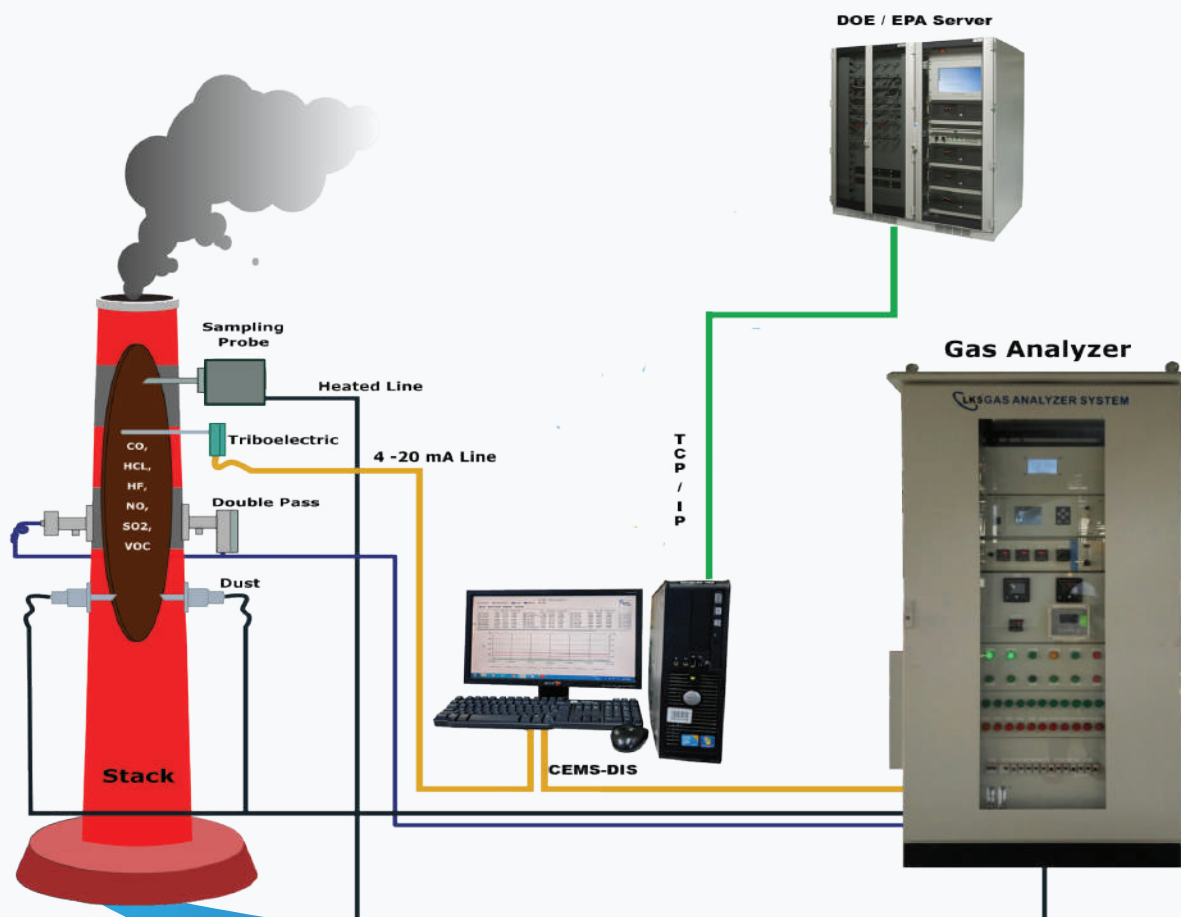
CEMS - Iron & Steel Mill (Ferrous Metals)

Source Capacity

- Sinter Plants (Waste gas from the sintering belt)
- Coke Ovens
- Blast Furnace (Regenerator)
- Basic Oxygen Furnace (Converter Gas)
- Electric Arc Furnace

Type of CEMS Analyzer

- Extractive Gas Analyzers
- Insitu Gas Analyzer
- Particulate In-Situ Analyzer



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Emission Limit Value for some of the source sector required CEMS

Source Activity	Source / Capacity / Fuel Type	Pollutants	Limit Value (mg/m ₃)
Production and Processing of Ferrous Metals (Iron and Steel Mills)	Sinter Plants (Waste Gas from the sintering Belt)	SO ₂ NO ₂ Total PM	500 400 50
	Coke Ovens	Total PM	40
	Blast Furnace (Regenerator)	Total PM	50
	Basic Oxygen Furnace (Converter Gas)	Total PM	50
	Electric Arc Furnaces	Total PM	50

DOE / EPA Requirements

- Listed appointed and approve company in DOE / EPA website
- TUV / MCERT Certificate
- Data Acquisition System (DAS)
- Data Interface System (DIS)

Gas & Dust Analyzer Working Principle

Parameter	Principle	Sampling Type
Sulphur Dioxide (SO ₂)	NDIR, NDUV, GFC, FTIR, PAS, Fluorescence	Extractive
	DOAS, GFC, FTIR	Insitu
Nitrogen Dioxide (NO ₂)	NDUV, PAS, Fluorescence	Extractive
	DOAS	Insitu
Total PM / Dust	Light Scatter, Beta Absorption	Extractive
	Transmissionmetry / Triboelectric Double Pass, Single Pass	Insitu