

PYREJET™



supersonic
oxygen
injection
technology

- Decreased operating cost
- Increased furnace production capacity
- +1% increased metallic yield
- Increased operating safety

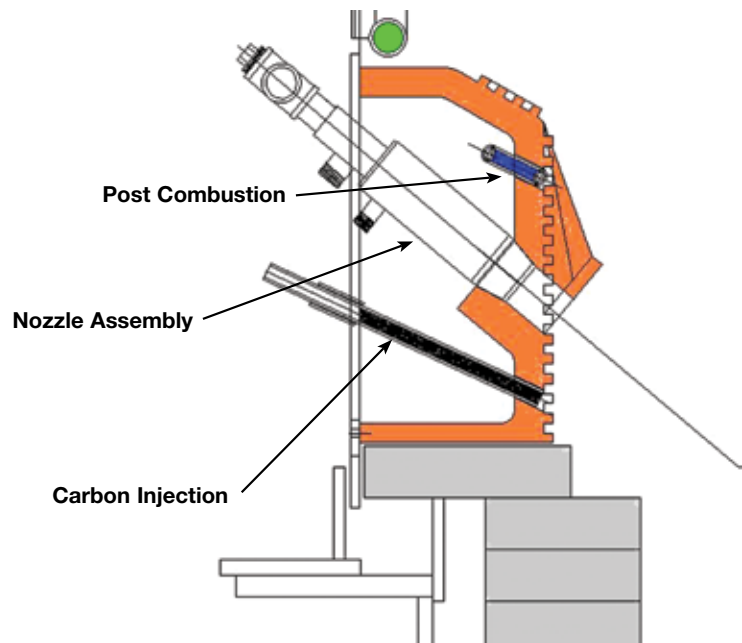
Cost Reduction

- Up to 60 kWt/t electrical savings
- 20% reduction of Electrode Consumption
- 12% reduction of Power-on time
- 30% reduction of Refractory Consumption

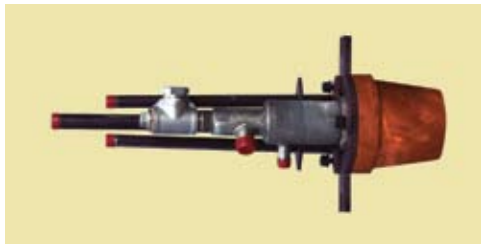
PYREJET™

Supersonic Oxygen Injection Technology

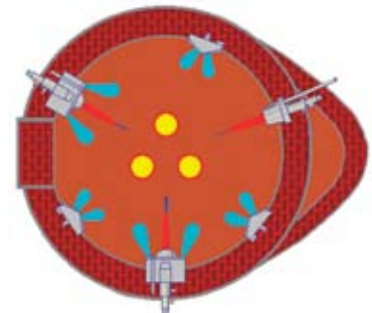
- PyreJet™ incorporates the functions of oxy-fuel burner, oxygen lance, and carbon injection in one process control tool.
- PyreJet™ is designed to work with different types of fuel such as natural gas, coke oven gas or light oil.
- Process control solutions include PLC and HMI programming for a fully-automated injection of fuel, oxygen and carbon.
- A dense phase, continuous flow, single, dual or triple carbon injection lines can be provided as a part of the PyreJet™ system, either through modification of existing carbon injection system or commissioning a new injection system.



General arrangement of PyreJet™ in DRAGON™ panel.



More than 40 EAFs worldwide are equipped with ACI's PyreJet™ system, custom-engineered based on furnace geometry and exhaust flow patterns.



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