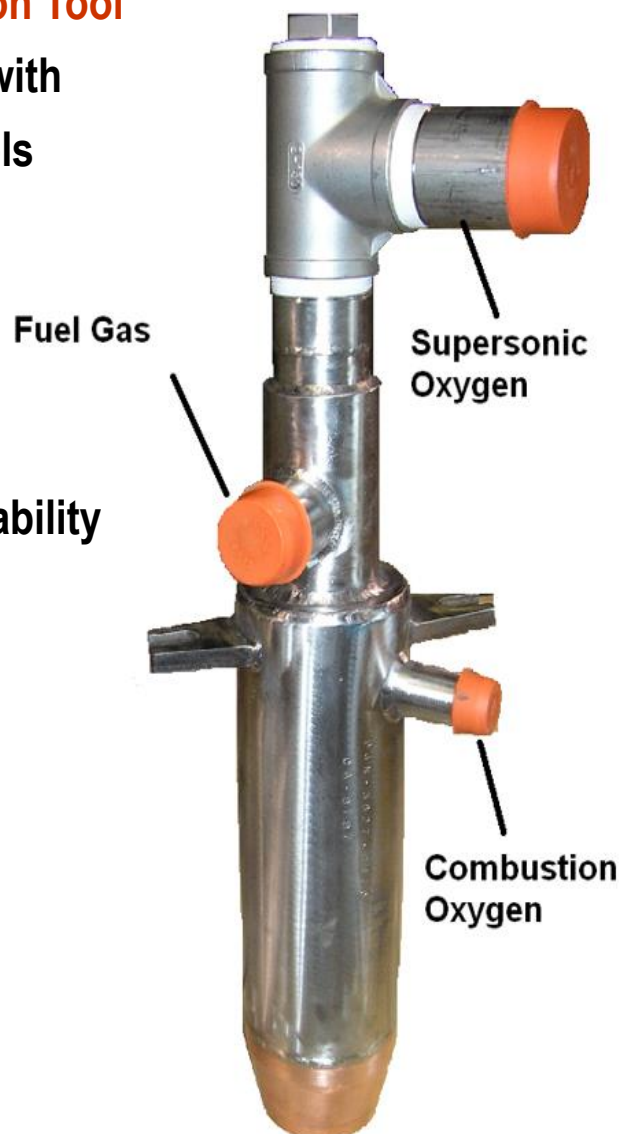
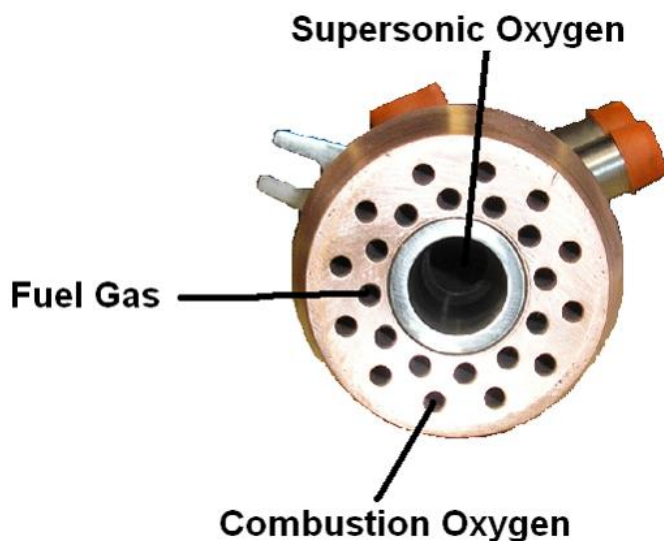


PyreJet™ Multi Function Burner for EAFs

PyreJet is designed to combine the functions of an oxy-fuel burner with O₂ and Carbon injection to enhance foamy slag

Highlights of PyreJet™ Multi Function Tool

- 🔥 Wall mounted design compatible with various water-cooled copper panels
- 🔥 Highly efficient Oxy-fuel burner
- 🔥 Supersonic Oxygen lancing for decarburization and scrap cutting
- 🔥 Carbon or Lime injection function
- 🔥 Post-combustion O₂ injection capability



PyreJet™ Multi Function Burner for EAFs

Benefits of the PyreJet™ Tool

- 🔥 Decreases electrical consumption
- 🔥 Lowers power on time
- 🔥 Reduces electrode consumption
- 🔥 Improves refractory life
- 🔥 \$1 to \$3 savings per ton obtained

Key Technological Advantages

- 🔥 Easily removable compact nozzle for ease of maintenance
- 🔥 Robust burner design providing high reliability
- 🔥 Up-to Mach 2.5 oxygen stream
- 🔥 Improved carbon penetration
- 🔥 Fully-automated injection of fuel, oxygen and carbon



PyreJet Burner Mode

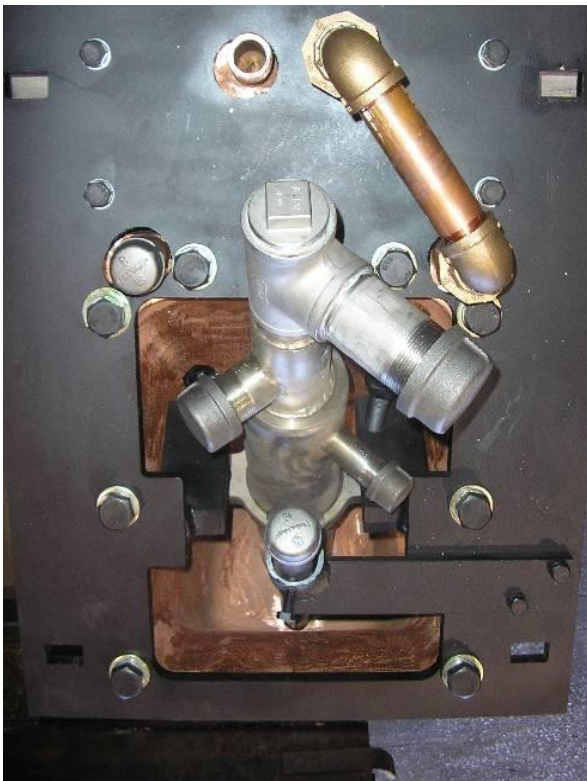


PyreJet Lancing Mode

PyreJet™ Multi Function Burner for EAFs

Typical Scope of Supply

- 🔥 PyreJet™ and Water-Cooled Copper Panels
- 🔥 Fuel Gas and Oxygen Flow Control Valve Trains
- 🔥 Carbon Injection System with single or dual line continuous feed
- 🔥 Fully Automated PLC Control System with HMI
- 🔥 Carbon flow control integrated into the PyreJet™ control system
- 🔥 Process optimization support
- 🔥 Commissioning and maintenance services



PyreJet Installation



Water-Cooled Copper Panel

PyreJet™ Multi Function Burner for EAFs

Flow Control Valve Trains

- 🔥 O₂ valves trains specifically designed for safe operation
- 🔥 Fuel valve trains for a variety of fuel (Gas or Liquid) types
- 🔥 Designed and fabricated in the United States
- 🔥 Compliant with NFPA, CGA, CE norms
- 🔥 Over 250 safe and reliable systems delivered since 1984



PLC Programming & HMI

- 🔥 Provides precise control and diagnosis based on Client's choice of system
- 🔥 PLC options: Allen-Bradley, Siemens, Square D, GE, Modicon, Mitsubishi
- 🔥 HMI options: WinCC, RSview, Panelview, Panelmate, Wonderware, Mitsubishi

