

COMPACT JET™

EAF Combustion/Injection System

A comprehensive system for melting and gas/solids injection



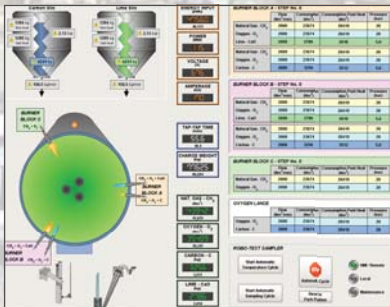
SAFE AND PRODUCTIVE SOLUTIONS
FOR STEELMAKERS WORLDWIDE



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COMPACT JET™ FEATURES & BENEFITS

Oxygen-Carbon-Lime Injection Burners

- Designed to perform the full range of EAF combustion and oxygen/carbon/lime injection operations.
 - Reduces consumption of electrical energy
 - Eliminates need for mechanical injection manipulators
- Multi-nozzle design permits supersonic velocities and high combustion efficiency.
- Broad flame envelope provides efficient pre-heating and melting.
- Concentrated shielded oxygen jet allows high velocity bath penetration.
- Carbon injection burner flame shields carbon/lime jet for efficient slag foaming.
- External mixing prevents internal combustion and explosive hazards.
- Single oxygen supply reduces the number of flexible hoses and lowers maintenance.
- Electrolytic copper mounting boxes ensure a long operational life.
- Compact design for minimum interference to the furnace shell.
- Water cooled for low maintenance.

Oxygen & Natural Gas/LPG/Light Oil Valve

- Equipped with remotely operated valves and sensors wired to a local junction box with remote I/O.
- Independent control of oxygen/fuel flow to each burner unit.
- Manual valves for safety shut off and maintenance.
- High quality components and construction.
- Stainless steel oxygen lines.

HMI Supervisory Control

- Touchscreen panels provide all the information needed to diagnose and optimize furnace operation.
- Automatic and manual control.
- PLC controlled with remotely operated valves and sensors. Capable of interfacing with a Level 2 furnace control system.



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