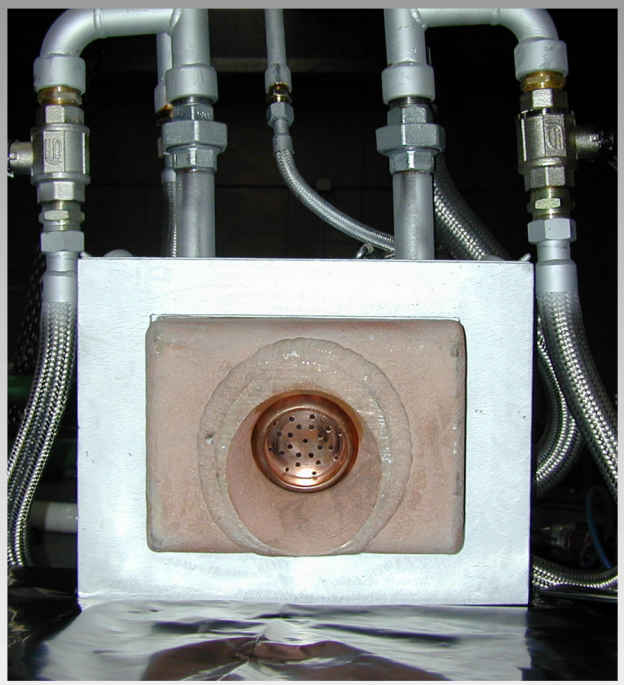
Advanced Steelmaking Technologies

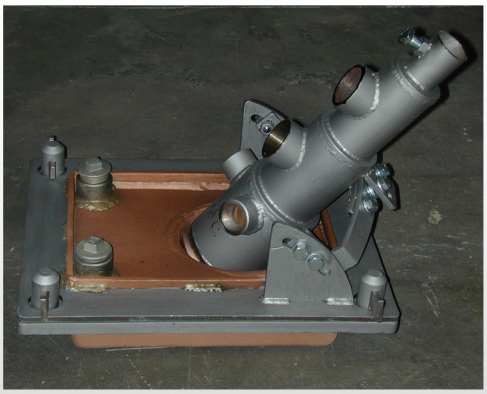
FAST TECHNOLOGY S.R.L.

EAF Sidewall Combustion System



A complete and highly innovative solution for chemical energy input to your EAF.

Safety **Productivity** **Reliability**

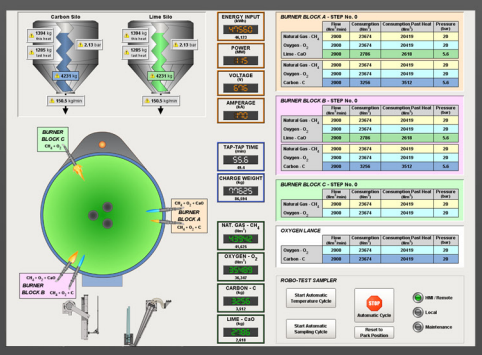


Oxygen-Carbon Injection Burners:

- Designed to perform the full range of EAF combustion and oxygen/ carbon injection operations.
  - Reduces consumption of electrical energy.
  - Eliminates need for mechanical injection manipulators.
- Multi-nozzle design permits supersonic velocities and a 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 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.

Oxygen & Natural Gas/LPG/Light Oil Valve Stands:

- 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 optimise 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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