

Lance Manipulator LM.2

Injection and measurement with just one single unit



Principles.

- Injection of oxygen and solid materials from the slag door with independently moving consumable lances.
- Combination of slag-door-injection with sample taking / temperature measuring on one column with two independent swiveling arms.
- Wide range of metallurgical applications, especially in combination with side wall / EBT mounted injection tools.
- Flexible design for special metallurgical applications and local circumstances.
- Usage of standard cartridge sizes (also CELOX measuring possible).



Heat protection of relevant parts ensuring high reliability

Concept.

- Independently moving injection lances on one common or up to three separate heads.
- Exchange / mounting of cartridges from parking position in safe distance from furnace door.
- Electric motor with chain transmission for TempSamp lance movement enabling constant measuring levels in the steel bath.
- Heat protection of relevant parts provides safe and reliable operation.
- Optimum height adjustment for different process stages.



Convenient remote control from operator room

Advantages.

- Space saving installation.
- High efficiency and reliability of oxygen injection as a result of appropriate actuation technology.
- Reduction of tap-to-tap time due to measuring without interruption of the furnace operation – and foaming slag practice as well!
- Accurate and reproducible measuring and sample taking.
- Remote control from the operator room for maximum safety and good, motivating work conditions.
- Safe operation due to heat protection of relevant parts.
- Quick and easy maintenance.



Cartridge exchange in safe distance from furnace door

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