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-doorinjection 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.

- 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.



Convenient remote control from operator room



Cartridge exchange in safe distance from furnace door

Badische Stahl-Engineering GmbH Robert-Koch-Straße 13 D-77694 Kehl/Germany Phone (+49) 7851/877-0 (+49) 78 51 / 877-133 eMail info@bse-kehl.de

www.bse-kehl.de



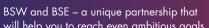


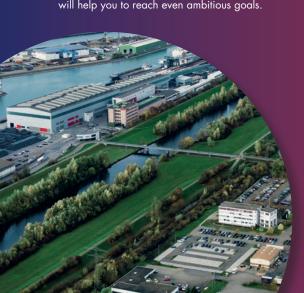






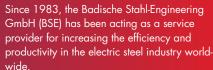
will help you to reach even ambitious goals.







From Steelmaker to Steelmaker



BSE is a sister company of the Badische Stahlwerke GmbH (BSW), one of the world's most efficient Electric Arc Furnace steel plants.

This unique partnership between BSW and BSE ensures that all products and services provided by BSE are not just based on mere theory, but on more than 4 decades of own proven operational experience.

Badische Stahl-Engineering GmbH Robert-Koch-Straße 13 D-77694 Kehl/Germany Phone (+49) 7851/877-0

Fax (+49) 7851/877-133 eMail info@bse-kehl.de

www.bse-kehl.de

**BSE** America 1811 Sardis Road North, Suite 210 Charlotte, NC 28270 Phone (704) 553-1582

www.bse-america.com

