

Tiltable Virtual Lance Burner

VLB with innovative tilting function ensures maximum efficiency with flexible input

NEW!
Exclusively
available at

Principles.

- Multiple point installation of VLB, combining the functions of a burner for meltdown and oxygen injector for lancing in just one tool.
- New design features a vertical tilting motion of the VLB to meet different process requirements.
- Actuation with hydraulic cylinder allows for stageless adjustment between 20° and 40°, always providing the optimum angle for different process stages.
- Automatic adjustment of operation mode and VLB angle based on kWh status and arc instability signals from BSE's TopArc® system.
- Mutually developed, tested and proven at BSW, the steel plant of the Badische group – one of the world's most productive operations!

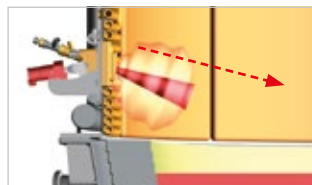
Concept.

- **Burner mode:** Efficient melt-down of the input material due to flexible VLB angle allowing for a larger volume of scrap heating at sufficient distance to the refractory bricks.
- **Lancing mode:** Efficient oxygen injection due to steep lancing angle at sufficient distance between refractory and lancing jet.

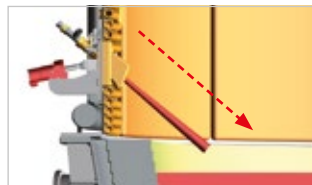
Advantages.

- Increased burner and lancing efficiency at reduced refractory consumption.
- Compatibility with various input materials, operation types and steel grades.
- Distinctive BSE design for highest availability and reliability as well as easy maintenance.

Boost your efficiency NOW!



Flat angle of VLB for efficient meltdown of input material



Steep angle of VLB for efficient injection of oxygen



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BSW and BSE – a unique partnership that will help you to reach even ambitious goals.

Since 1983, the Badische Stahl-Engineering GmbH (BSE) has been acting as a service provider for increasing the efficiency and productivity in the electric steel industry world-wide.

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.

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