



## World's Leader in BOF Furnace Technology, Solutions, and Equipment

For over 65 years, we have earned a strong reputation for continuous development, quality products, dependable deliveries, and knowledgeable repair services.



**Berry**   
METAL COMPANY

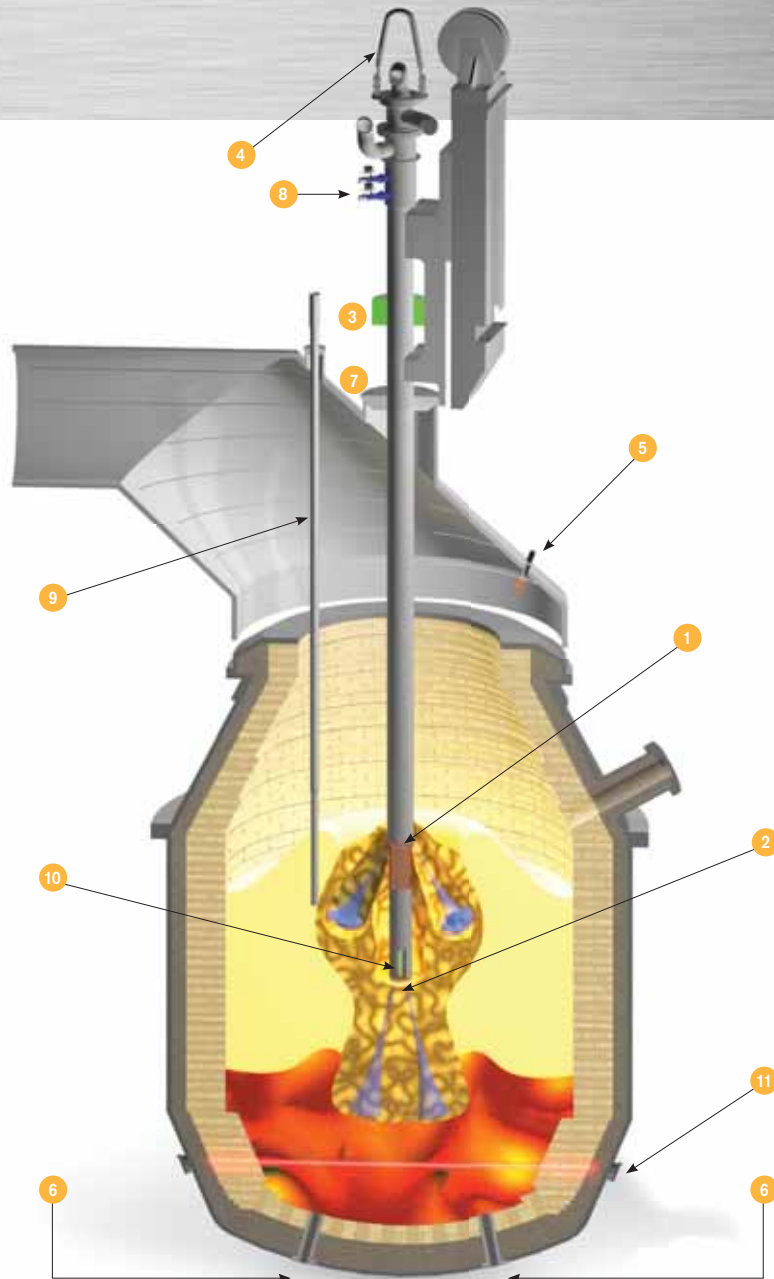
***Advanced Iron & Steelmaking*** TECHNOLOGIES

[WWW.BERRYMETAL.COM](http://WWW.BERRYMETAL.COM)

# We don't just say it, we do it!



## BASIC OXYGEN FURNACE PRODUCTS



### 1 Split Flow and Double Flow Post Combustion

Designed to maximize heat energy in the furnace while reducing/eliminating build-up on lances, mouth, and cone areas.

### 2 BOF Lance Tips — Cast and Forged

Engineered and designed for optimum performance and service life.

### 3 Antislop Slop Detection System (in conjunction with Tenova)

Notifies the user before a slopping event occurs and self corrects itself to avoid the slop, resulting in yield improvements and additional production.

### 4 Lance Carriage

Complete engineering and repair services.

### 5 IR Cameras for the BOF Process

Improved safety and reliability of BOF Process from being able to view areas that are difficult for visual inspection.

### 6 Bottom Injection Tuyeres

Oxygen injection / bottom stirring / complete engineering for optimal performance.

### 7 Hood Plug with Nitrogen Plugs

Better sealing of the Hood Lance opening, resulting in improved environmental performance and reduced furnace emissions.

### 8 Sentinel® Water Leak Detection System

Designed to measure total water flow rate and detect / notify the user of any water leaks.

### 9 Sublance

Complete engineering, design, construction, and repairs.

### 10 Internal Pyrometer to Measure Inside of Lance Tip

Non-contact thermocouple installed inside lance body to optimize blow height for improved performance and tip life.

### 11 Continuous Bath Temperature Measurement

Improved performance, optimal reliability, and reduction in operating costs.

### ■ BOF Lime Injection

Optimize lime usage, save raw material costs, and increase efficiency.

### ■ BOF Process Improvement

Process improvement consulting.

### Repair and Recondition

- Two repair locations: Harmony, PA and LaPorte, IN
- Specialty copper and copper to steel welding
- On-site copper repairs

### Hydraulic & Electrical Control Systems

PLC & Programming, Electrical Enclosures, Hydraulic Power Units, Hydraulic Valve Stands, System Design

### Engineering Services

Engineering, CFD & FEA Analysis, Drafting, Technical & Site Services

**Berry**  
METAL COMPANY

Advanced Iron & Steelmaking TECHNOLOGIES

WWW.BERRYMETAL.COM



**BERRY  
METAL**

## Maximizing Technology for a Competitive Advantage

Competing in today's steelmaking industry means increasing productivity and lowering costs through the implementation of new technologies.

Today, Berry Metal Company — a technological leader — is much more than a manufacturer of Basic Oxygen Furnace products. Our customers rely on us to bring the latest technologies to their operations, improving performance, safety, and profitability. **We're a solutions provider.**



**Berry**   
METAL COMPANY

**Advanced Iron & Steelmaking** TECHNOLOGIES

LOCATIONS IN  
HARMONY, PA AND LaPORTE, IN  
TEL: 724-452-8040  
[WWW.BERRYMETAL.COM](http://WWW.BERRYMETAL.COM)