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

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**Repair and Recondition**

- Two repair locations: Harmony, PA and Laporte, IN
- ISO: 9001:2008 certified
- 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
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.