Quarterly Combustion Service

Prevent combustion-related issues before they start with regular maintenance and tuning

www.bloomeng.com
We provide expert service for **ALL manufacturers’ burner types** specializing in the following:

- Steel Reheat & Tunnel Furnaces
- Continuous Galvanizing Lines
- Continuous Annealing Lines
- Silicon Lines & Non-Ox Furnaces
- Forging Furnaces
- Aluminum Melting & Holding Furnaces
- Heat Treat Furnaces
- Pelletizing & Sintering Furnaces
- Forging Furnaces
- Aluminum Melting & Holding Furnaces
- Heat Treat Furnaces
- Pelletizing & Sintering Furnaces
- Process Heaters

Maintain your equipment and operate with minimal excess air (optimal air-to-fuel ratio) to achieve huge savings!!

![Yearly additional costs if you operate out of ratio](image)

$\text{Yearly Cost}$

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1. Cold air at 2000°F furnace temp
2. Based on 30MMBtu/Hr. operating 60% of time at $4.00/MMBTU
3. Above 5% XSA operation

**What we’ll do:**

- Tune your combustion system
- Calibrate your equipment
- Provide troubleshooting & corrective maintenance
- Check safety equipment
- Visually inspect burners
- Check replacement part inventory
- Provide a detailed report
Why do regular maintenance?

**Emission Levels**

Regular tuning of air-to-fuel ratios ensures that the burners are operating at minimized CO and NOx levels.

**Energy Costs**

Reduce fuel and electricity costs per unit of product through regular maintenance of combustion control equipment.

**Scale (Steel)\nDross (Aluminum)**

Generation of scale (steel) and dross (aluminum) can be minimized through regular maintenance to optimize flame shapes and combustion characteristics.

**Refractory**

Damaged furnace and burner refractory can lead to poor combustion performance and potential safety issues.

**Production**

Minimize unexpected downtimes and maintain maximum operating efficiency through regular preventative maintenance practices.
Our Mission:

To enable our customers’ long term success by providing combustion products, systems, and services that achieve optimal productivity, efficiency, and environmental performance. Our global team delivers this with industry-leading expertise and innovative solutions.