

Research and Engineering

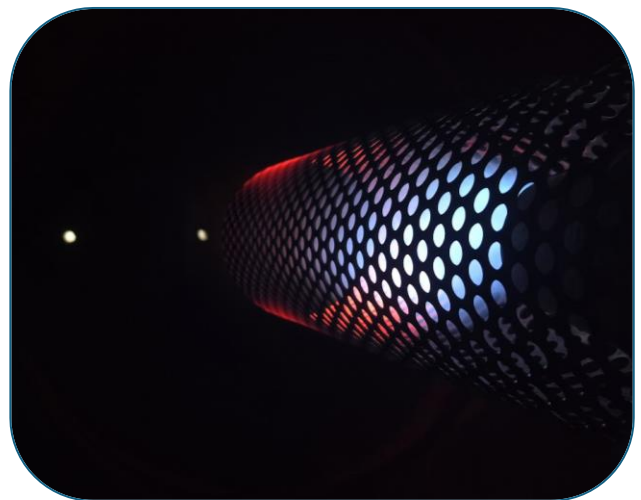
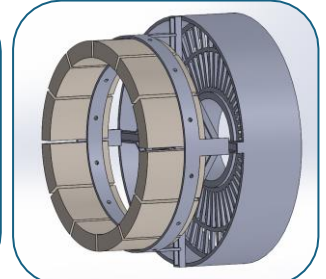
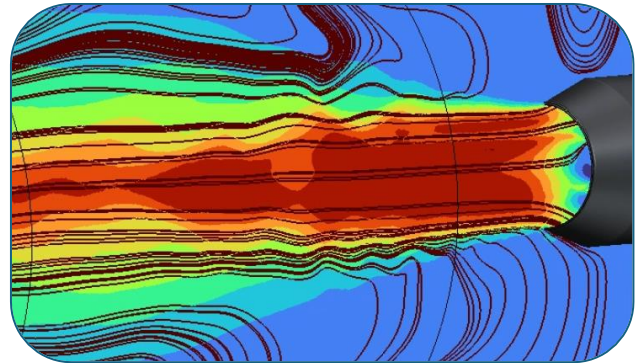
FABER
Burner Company

Inside Faber Burner's R&D: A Commitment to Continuous Improvement

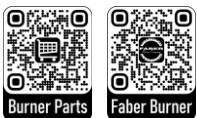
Many know **Faber Burner Company** for its robust products and outstanding support, but did you know we also have a state-of-the-art research and development department? At Faber, we combine a long legacy of experience with cutting-edge innovation.

Here's how we approach R&D:

- **Blending Old and New School Expertise:** Our equipment's reliability stems from nearly a century of experience. We leverage the expertise of our seasoned engineers and technicians with robust R&D capabilities to continuously bring new products to market.
- **Utilizing Advanced Technology:** We employ sophisticated tools like computational fluid dynamics, statistically-cognizant experimental designs, and semi-empirical response surface models to combine first principles with validated results.
- **Rigorous Product Testing:** Products are being continuously tested and pushed to their limits in our fully-instrumented test facility. This process characterizes performance and ensures reliability.
- **Real-World Validation:** We supplement our modeling and test center knowledge with one of the most thorough catalogs of field tests in the business, guaranteeing real-world results.
- **Focusing on the Future:** We annually update our technology roadmap to stay ahead of the curve. Currently, we're developing a new class of patent-pending technology designed to deliver single-digit NOx performance across a wide range of applications.
- **Proudly Made in the USA:** All of our equipment is manufactured and assembled with pride right here in Lock Haven, Pennsylvania.



Stay tuned for more exciting developments!



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Package Burners

The finest and most comprehensive combustion systems available for boilers, high temperature hot water generators, process furnaces and more.



Forefront Burners

Heavy-duty and user-friendly industrial gas burners for a vast array of applications that require heating capacities from 500,000 to 8,000,000 BTU/Hr.



Specialty Burners

Specialty burners to meet application-specific fuel-burning needs. Some examples include start-up burners, air heating, biogas guns, and waste gas guns.



LXE Burners

Modular industrial burners with unparalleled flexibility and performance. Heat inputs range from 10 to 60 MMBTU/Hr.



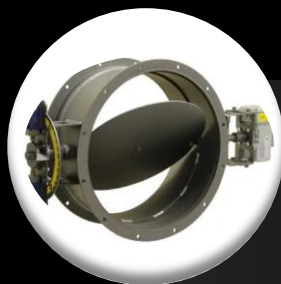
Igniters and Pilots

Gas, Oil or High Energy Spark. Faber Burner Company has a complete line of igniters that provide safe and reliable light off. 20,000 BTU/Hr to 20 MMBTU/Hr.



Oil Guns

Atomizers with capacities from 2.1 to 200 MMBTU/Hr. Firing conventional and alternative liquid fuels with either steam, air, or mechanical atomization.



Dampers

Faber offers industrial dampers for high-temperature air or flue gas: Single & Multi-Blade. Standard sizes are always in stock.



Control Systems

Faber supplies user-friendly comprehensive strategies for the optimal control of combustion equipment. From basic to custom-engineered state-of-the-art systems.



Pipe Rack Assemblies

Faber's engineered piping systems are designed to safely and accurately control the pressure and flow of any liquid or gas including conventional and alternative fuels, steam, and air.



Spare Burner Parts

We support what we build. Faber maintains one of the most extensive inventories in the combustion industry. Thousand of items are ready for immediate shipment.

**Providing Combustion Solutions
Since 1926**

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