

IRON AND STEEL PROCESS HEATING

Products and Expertise



Batch Annealing

- WHG
 - Flat flame wall hugger burner

WHI

- Flat flame AND low NOx

Heat Treating

- Ecomax
 - Self recuperative burner
- RTG/Radimax
 - Radiant tube burner and recuperator
- SVG
 - Super velocity gas burner

Batch Annealing

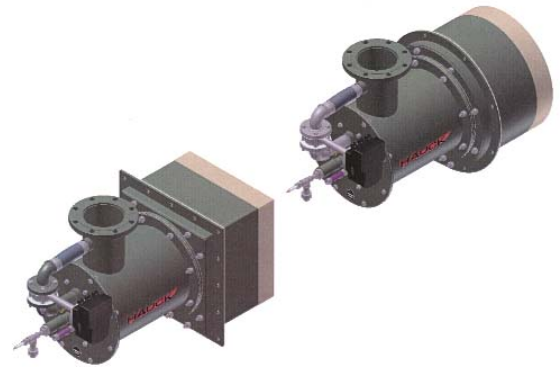
WHG

- Flat flame burner with excellent performance characteristics
- Stable operation at ratio in cold furnace
- Even heat distribution with no flame impingement
- Preheated air up to 800°F (425°C)



WHI

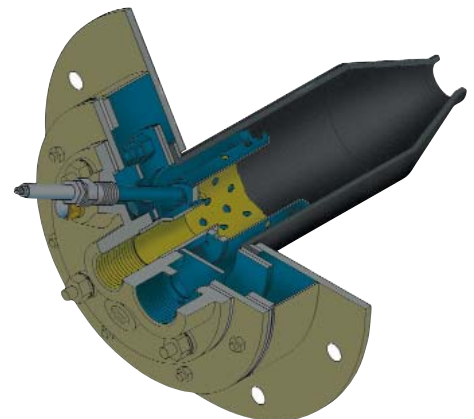
- Ultra low NOx emissions of 20 ppm or less
- Flat flame profile through entire firing range
- Designed for low excess air operation (5%)
- Cold or preheated air up to 900°F (480°C)
- Available in round or square tile versions



Heat Treating

SVG

- Widest range of performance capabilities available in the industry
- High and medium velocity models
- Refractory, ceramic, and alloy tile options
- Exit velocities up to 570 ft/sec (170 m/sec),
- Low emissions (NOx, CO, VOCs, aldehydes)

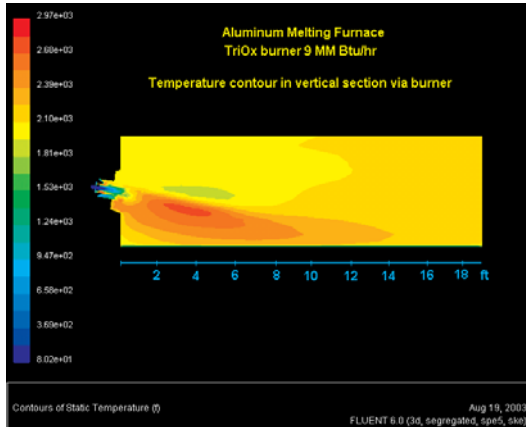


**HAUCK MANUFACTURING
COMPANY**

P.O. Box 90
Lebanon, PA 17042
Phone: 717-272-3051
Fax: 717-273-9882
www.hauckburner.com

IRON AND STEEL PROCESS HEATING

PRODUCTS AND EXPERTISE



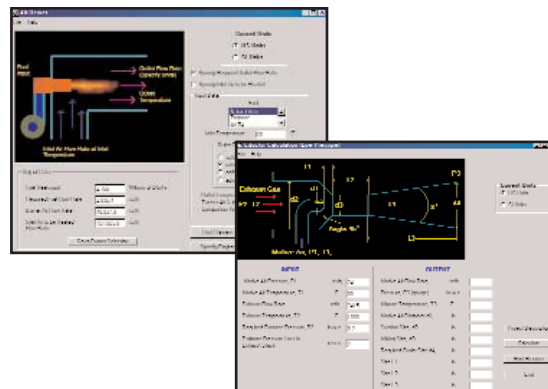
COMPUTATIONAL FLUID DYNAMICS (CFD)

Using CFD analysis software from FLUENT, Inc., Hauck has successfully combined modeling and experimentation to optimize the design of new and existing burners for industrial heating applications, providing clear insight into fundamental process fluid dynamics, heat transfer, and combustion processes. Predictions from FLUENT® not only provide the designer with powerful visualization capabilities, but also reduce experimentation efforts and product development times. Hauck is also currently using CFD analysis to examine customer applications for improvements in temperature uniformity, performance optimization, efficient burner placement and emissions reduction. Contact Hauck to see how our CFD design and modeling capabilities can be used to solve your industrial heating application issues.

e-SOLUTIONS FOR COMBUSTION®

e-Solutions is a collection of 25 programs designed to be used by combustion engineers responsible for designing, maintaining, and enhancing furnace systems. The programs include reference data, applications data for combustion processes, and a complete system design program. In addition, the program provides:

- Complete Access to Hauck's Online Product Catalog®
- Glossary of Combustion Terminology
- Calculations in US or SI Units
- Help Functions in Each Program



COMBUSTION TRAINING SCHOOLS

Hauck has updated its combustion training to create the most flexible seminar customizable to suit your training requirements. Conducted over a three-day period, this training allows students to select the sessions which offer the level of training that meets their individual needs. From basic combustion science to advanced computer-driven modeling of combustion applications, this seminar offers the information you need to make the most efficient use of your combustion equipment.

- Day 1 - Basic Combustion Principles
- Day 2 - Advanced Combustion Principles
- Day 3 - e-Solutions for Combustion®

