



COEN[®]
COEN COMPANY, INC.

TODD[®]



DUCT BURNER SOLUTIONS

Duct Burner Solutions from Coen Company

Coen Company is a world leader in the design and development of duct burner systems for cogeneration, combined cycle and process applications. With over 90 years of experience and more than 1,000 units in operation, Coen has the engineering expertise, advanced manufacturing capabilities and technical resources to overcome the many challenges of a modern facility. Coen duct burner systems are designed to provide superior solutions to meet your performance and emissions requirements.

ENGINEERING EXPERTISE

Coen offers product solutions for a wide range of applications to deliver comprehensive results for lower emissions, increased capacity and reduced operating costs. With an extensive database of duct burner installations and innovative technology, Coen experts have the resources to meet your plant's combustion needs.

SUPERIOR MANUFACTURING

A state-of-the-art manufacturing plant provides advanced tooling capabilities to facilitate the implementation of innovative designs. Coen duct burners are precision-built in a streamlined, world-class facility that complies with the latest global quality control standards and safety requirements. With a commitment to quality, safety, and production efficiency Coen duct burners are manufactured to exceed your expectations.

*Proven performance with
over 1,000 duct burner
installations worldwide.*



State-of-the-art Manufacturing Capabilities

QUALITY SERVICE

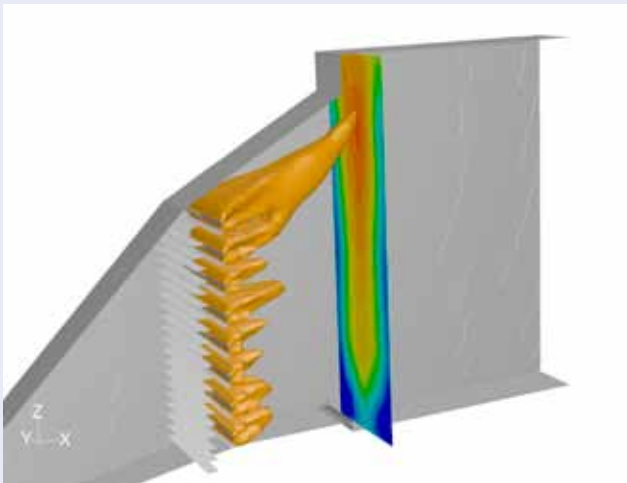
With dedicated in-house engineers that provide immediate evaluations, as well as a global network of factory-trained field technicians, Coen offers duct burner systems that can perform reliably and efficiently for years to come.

- Installation supervision and start-up assistance
- Instrumentation calibration for efficiency and safety
- Inspections and preventative maintenance programs
- Emergency service and spare parts
- Part recommendations and equipment evaluations
- Operator training/education

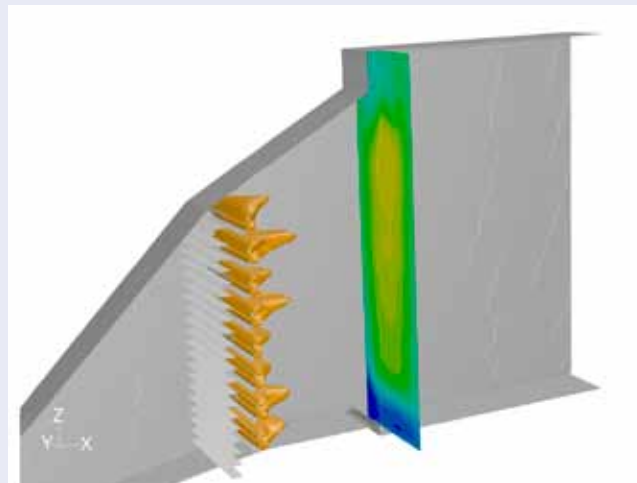
ADVANCED RESEARCH, DEVELOPMENT AND TESTING

Coen's progressive design engineering and product development include leading-edge burner testing, simulation and modeling techniques. Coen's Computational Fluid Dynamics (CFD) modeling technology can be used with your existing or new system to assess current performance and to recommend modifications for enhanced performance. With CFD analysis, Coen can identify design issues with accuracy and apply virtual design modifications to develop solutions for improved operation. Coen delivers world class research, testing, and development for proven and reliable combustion technology.

CFD MODEL TO ACHIEVE SUPERIOR PERFORMANCE IMPROVEMENTS:



Flue-gas envelopes and predicted downstream temperatures for original installation



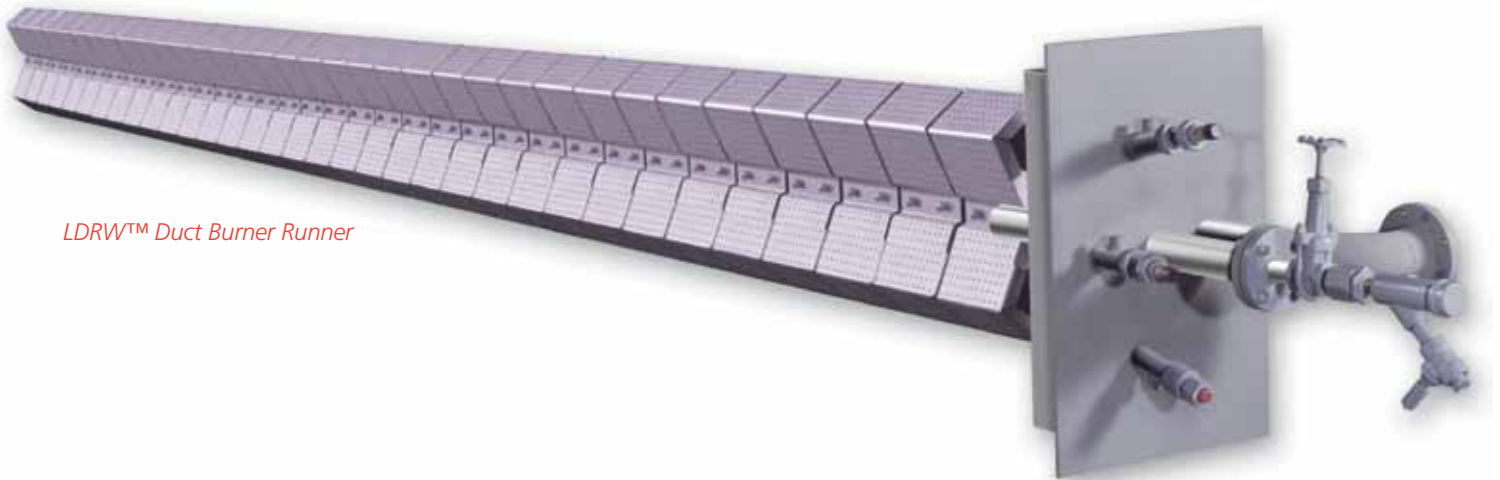
Flue-gas envelopes and predicted downstream temperatures after field modifications



Proven Performance

Coen delivers dependable results year after year, with more than 40 years of experience designing and developing duct burner systems. Committed to technological advancement and customer satisfaction, Coen is a trusted name in combustion around the globe.

Contact Coen today to learn more about innovative COEN® brand duct burners, burner packages, and burner management systems to improve the safety and performance of your plant operations.



LDRW™ Duct Burner Runner

AFTERMARKET AND RETROFIT SUPPORT

Coen's Aftermarket Parts Team is committed to providing customers with prompt service and reliable maintenance parts to keep your plant operating at peak performance. Coen retrofit solutions utilize the latest combustion and low-emission technology for improvement and optimization of existing equipment. Coen retrofits can add steam capacity, lower burner emissions, increase fuel flexibility and enhance system performance. Retrofits can present a low cost solution for plant modernization.

BURNER MANAGEMENT SYSTEMS

Coen offers modern and dependable burner management systems and auxiliary products. Designed to interface and communicate with today's modern distributed control systems, Coen burner management systems are engineered for each plant's specific requirements.

- Safe
- Reliable
- Durable



Coen High Stability Igniter for Reliable Light-Off



HMI Touch Screen



iScan2™ Flame Scanner for Enhanced Flame Detection, Self-Checking, **HART** COMMUNICATION PROTOCOL



Fuel Piping / Control Skid



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